

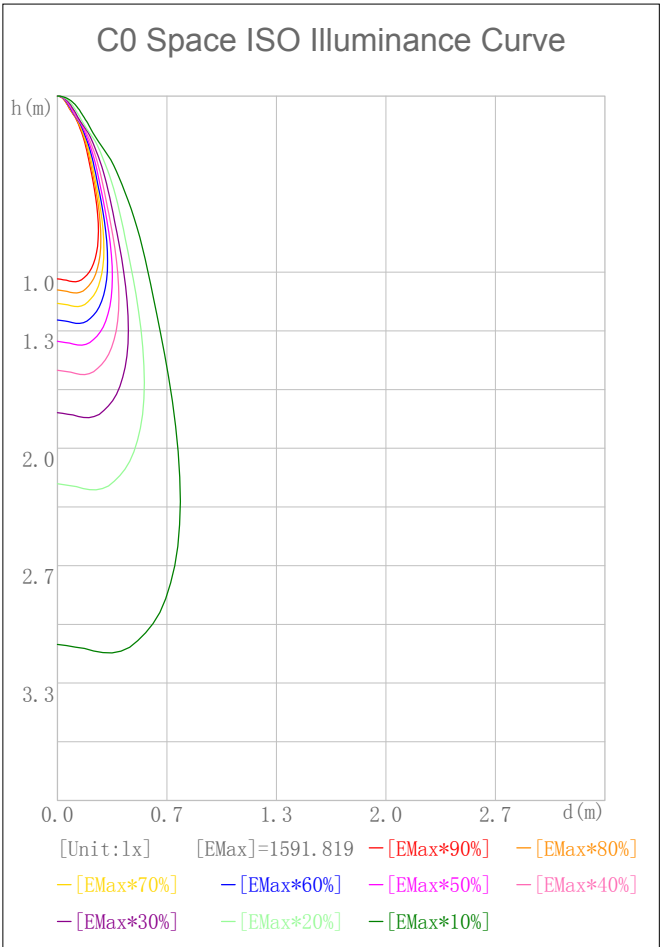
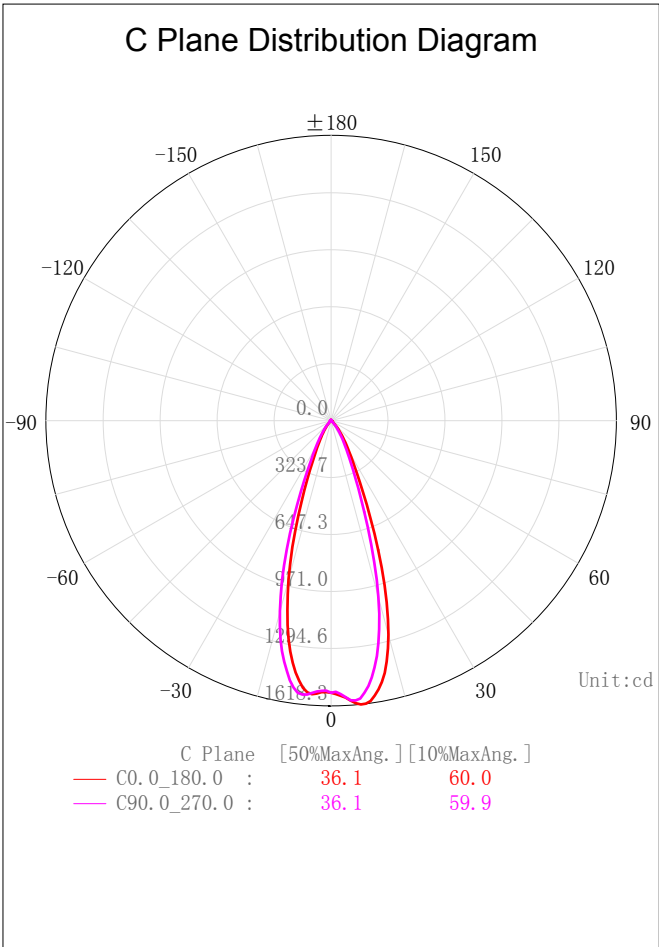
Indoor Luminaire Photometric Data

Description Information

| | | | |
|---|-------------------------|----------------------|-----------------------|
| Luminary Name:SD02-08-XX-01 4000K RA90 36D | | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | | Lamp Catalog: LED | Test Date: 2021/04/28 |
| Manufacture: Shenzhen Norming Lighting Co.Ltd | | Shld.Ang(°): | Test Machine:GON-2000 |
| Test Lab: Quality Department | | Frequency (Hz): | Lamp CCT (K): Ra: |
| Lum. Size (W*L*H):0.050m*0.000m*0.000m | | Lum. Area (m2):0.002 | Lum. W (kg): 0.000 |
| Test System: C, γ | Test Step: C=90.0 γ=1.0 | Temp. (°C): 25 | Humidity(%): 50.0 |

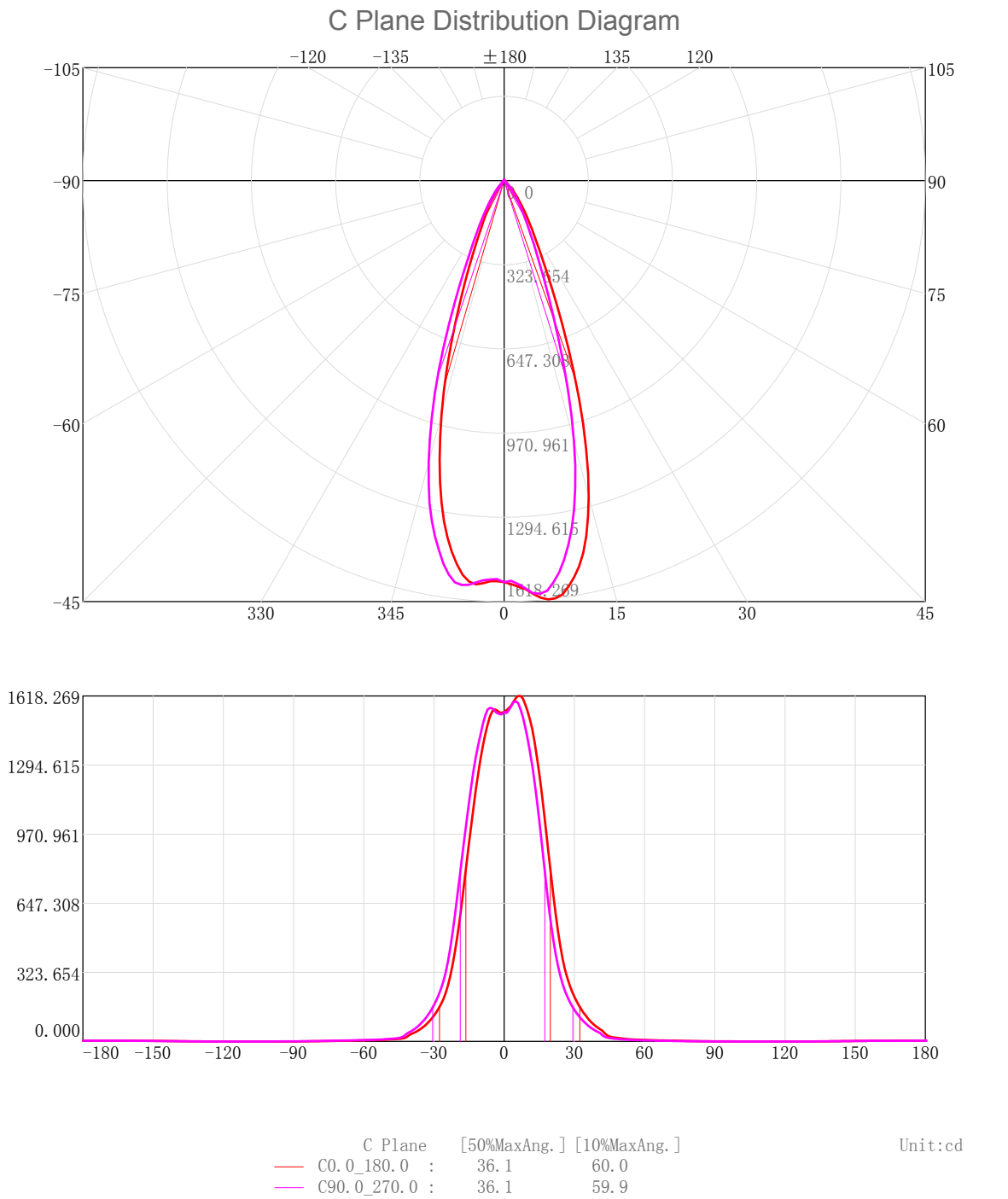
Character Parameter

| Lamp Speciality Parameter | | Luminaire Speciality Parameter | |
|---|--------------------------------|---------------------------------------|--|
| Rated Flux(lm): 679.410 | Luminary Flux(lm): 679.406 | Field Angle(10%Imax): 60.0(°) | |
| Rated Power(W): | Luminary Efficiency: 100.00% | Down Lumens&Percent: 674.604lm 99.29% | |
| Rated Voltage(V): | Luminary EER(lm/W): 87.530 | Up Lumens&Percent: 4.801lm 0.71% | |
| Tested Power(W): 7.762 | Max. Candela(cd): 1618.269 | S/MH: C0_a180=0.621 C90_270=0.617 | |
| Lamps' Inside: 1 | Max Cand@Ang. (°): C=0.0 γ=6.0 | CIE Type: Semi-Direct | |
| Tested Electrics (V, A, pf):240.2, 0.035, 0.911 | Beam Angle(50%Imax): 36.1(°) | ErP ϕ use(90°): 629.762lm | |
| Lamp Size (W*L*H):0.050m*0.000m*0.000m | Left=-16.3°, Right=19.7° | IRF(%): 462.787 | |



2D Plane Light Intensity Distribution Curve

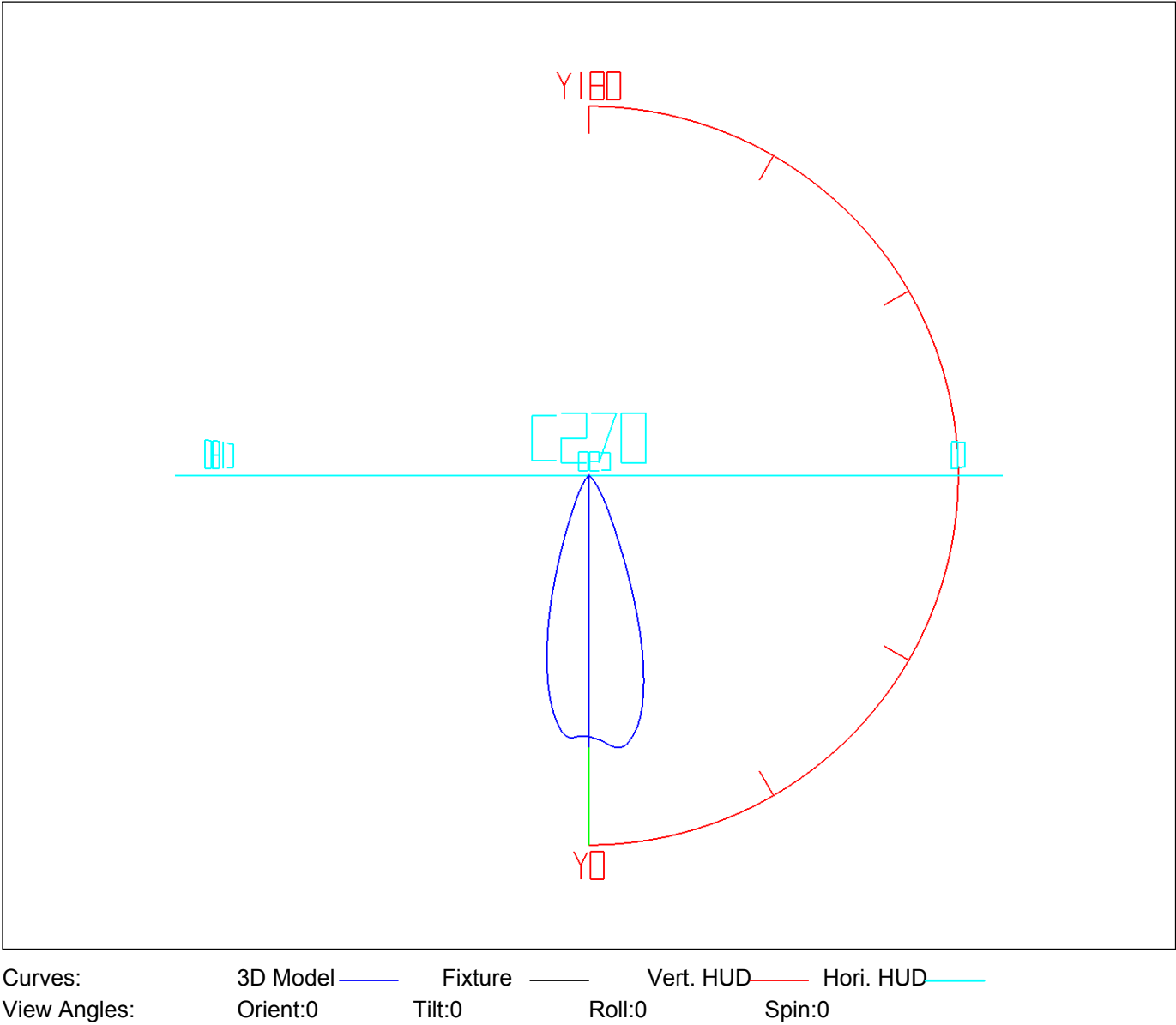
| | | |
|---|-----------------------|------------------------------|
| Lum. Name: SD02-08-XX-01 4000K RA90 36D | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | Lamp Catalog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting Co.Ltd | Test Machine:GON-2000 | Test Date: 2021/04/28 |



3D Light Intensity Distribution Modal

| | | |
|---|-----------------------|------------------------------|
| Lum. Name: SD02-08-XX-01 4000K RA90 36D | Lum. Catelog: | Test ID: 01 |
| Lamp Name: | Lamp Catelog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting Co.Ltd | Test Machine:GON-2000 | Test Date: 2021/04/28 |

3D Light Intensity Distribution Modal



IES Indoor Report

Photometric Filename:SD02-08-XX-01 4000K RA90 36D.IES

Zonal Flux Tabulation

| Zone(γ) | Zone Flux (lm) | Sums Flux (lm) | Zone%Lamp | Sums%Lamp | Zone(γ) | Zone Flux (lm) | Sums Flux (lm) | Zone%Lamp | Sums%Lamp |
|-----------|-------------------|-------------------|-----------|-----------|-----------|-------------------|-------------------|-----------|-----------|
| 0.0-1.0 | 1.48 | 1.48 | 0.22 | 0.22 | 47.0-48.0 | 1.11 | 656.46 | 0.16 | 96.62 |
| 1.0-2.0 | 4.43 | 5.91 | 0.65 | 0.87 | 48.0-49.0 | 1.05 | 657.50 | 0.15 | 96.78 |
| 2.0-3.0 | 7.42 | 13.33 | 1.09 | 1.96 | 49.0-50.0 | 0.99 | 658.49 | 0.15 | 96.92 |
| 3.0-4.0 | 10.47 | 23.80 | 1.54 | 3.50 | 50.0-51.0 | 0.92 | 659.42 | 0.14 | 97.06 |
| 4.0-5.0 | 13.54 | 37.35 | 1.99 | 5.50 | 51.0-52.0 | 0.85 | 660.27 | 0.13 | 97.18 |
| 5.0-6.0 | 16.55 | 53.90 | 2.44 | 7.93 | 52.0-53.0 | 0.80 | 661.07 | 0.12 | 97.30 |
| 6.0-7.0 | 19.40 | 73.30 | 2.86 | 10.79 | 53.0-54.0 | 0.76 | 661.83 | 0.11 | 97.41 |
| 7.0-8.0 | 22.03 | 95.32 | 3.24 | 14.03 | 54.0-55.0 | 0.73 | 662.56 | 0.11 | 97.52 |
| 8.0-9.0 | 24.38 | 119.70 | 3.59 | 17.62 | 55.0-56.0 | 0.70 | 663.25 | 0.10 | 97.62 |
| 9.0-10.0 | 26.42 | 146.12 | 3.89 | 21.51 | 56.0-57.0 | 0.67 | 663.92 | 0.10 | 97.72 |
| 10.0-11.0 | 28.15 | 174.27 | 4.14 | 25.65 | 57.0-58.0 | 0.64 | 664.57 | 0.09 | 97.82 |
| 11.0-12.0 | 29.52 | 203.78 | 4.34 | 29.99 | 58.0-59.0 | 0.62 | 665.19 | 0.09 | 97.91 |
| 12.0-13.0 | 30.46 | 234.25 | 4.48 | 34.48 | 59.0-60.0 | 0.60 | 665.79 | 0.09 | 97.99 |
| 13.0-14.0 | 30.93 | 265.18 | 4.55 | 39.03 | 60.0-61.0 | 0.58 | 666.36 | 0.08 | 98.08 |
| 14.0-15.0 | 30.95 | 296.13 | 4.55 | 43.59 | 61.0-62.0 | 0.56 | 666.92 | 0.08 | 98.16 |
| 15.0-16.0 | 30.50 | 326.62 | 4.49 | 48.07 | 62.0-63.0 | 0.53 | 667.45 | 0.08 | 98.24 |
| 16.0-17.0 | 29.58 | 356.20 | 4.35 | 52.43 | 63.0-64.0 | 0.51 | 667.96 | 0.08 | 98.32 |
| 17.0-18.0 | 28.24 | 384.44 | 4.16 | 56.58 | 64.0-65.0 | 0.49 | 668.46 | 0.07 | 98.39 |
| 18.0-19.0 | 26.53 | 410.97 | 3.91 | 60.49 | 65.0-66.0 | 0.47 | 668.93 | 0.07 | 98.46 |
| 19.0-20.0 | 24.56 | 435.53 | 3.61 | 64.10 | 66.0-67.0 | 0.45 | 669.38 | 0.07 | 98.52 |
| 20.0-21.0 | 22.46 | 457.99 | 3.31 | 67.41 | 67.0-68.0 | 0.43 | 669.82 | 0.06 | 98.59 |
| 21.0-22.0 | 20.37 | 478.36 | 3.00 | 70.41 | 68.0-69.0 | 0.42 | 670.23 | 0.06 | 98.65 |
| 22.0-23.0 | 18.34 | 496.70 | 2.70 | 73.11 | 69.0-70.0 | 0.40 | 670.63 | 0.06 | 98.71 |
| 23.0-24.0 | 16.47 | 513.17 | 2.42 | 75.53 | 70.0-71.0 | 0.38 | 671.01 | 0.06 | 98.76 |
| 24.0-25.0 | 14.79 | 527.96 | 2.18 | 77.71 | 71.0-72.0 | 0.36 | 671.36 | 0.05 | 98.82 |
| 25.0-26.0 | 13.35 | 541.30 | 1.96 | 79.67 | 72.0-73.0 | 0.33 | 671.70 | 0.05 | 98.86 |
| 26.0-27.0 | 12.11 | 553.41 | 1.78 | 81.45 | 73.0-74.0 | 0.31 | 672.01 | 0.05 | 98.91 |
| 27.0-28.0 | 11.05 | 564.47 | 1.63 | 83.08 | 74.0-75.0 | 0.29 | 672.30 | 0.04 | 98.95 |
| 28.0-29.0 | 10.13 | 574.60 | 1.49 | 84.57 | 75.0-76.0 | 0.27 | 672.57 | 0.04 | 98.99 |
| 29.0-30.0 | 9.29 | 583.89 | 1.37 | 85.94 | 76.0-77.0 | 0.25 | 672.83 | 0.04 | 99.03 |
| 30.0-31.0 | 8.53 | 592.42 | 1.26 | 87.20 | 77.0-78.0 | 0.23 | 673.06 | 0.03 | 99.07 |
| 31.0-32.0 | 7.82 | 600.24 | 1.15 | 88.35 | 78.0-79.0 | 0.22 | 673.28 | 0.03 | 99.10 |
| 32.0-33.0 | 7.15 | 607.39 | 1.05 | 89.40 | 79.0-80.0 | 0.20 | 673.48 | 0.03 | 99.13 |
| 33.0-34.0 | 6.51 | 613.90 | 0.96 | 90.36 | 80.0-81.0 | 0.18 | 673.66 | 0.03 | 99.15 |
| 34.0-35.0 | 5.91 | 619.81 | 0.87 | 91.23 | 81.0-82.0 | 0.16 | 673.82 | 0.02 | 99.18 |
| 35.0-36.0 | 5.34 | 625.14 | 0.79 | 92.01 | 82.0-83.0 | 0.15 | 673.97 | 0.02 | 99.20 |
| 36.0-37.0 | 4.80 | 629.95 | 0.71 | 92.72 | 83.0-84.0 | 0.13 | 674.10 | 0.02 | 99.22 |
| 37.0-38.0 | 4.34 | 634.28 | 0.64 | 93.36 | 84.0-85.0 | 0.12 | 674.22 | 0.02 | 99.24 |
| 38.0-39.0 | 3.92 | 638.20 | 0.58 | 93.94 | 85.0-86.0 | 0.10 | 674.32 | 0.02 | 99.25 |
| 39.0-40.0 | 3.54 | 641.75 | 0.52 | 94.46 | 86.0-87.0 | 0.09 | 674.41 | 0.01 | 99.26 |
| 40.0-41.0 | 3.16 | 644.91 | 0.47 | 94.92 | 87.0-88.0 | 0.08 | 674.49 | 0.01 | 99.28 |
| 41.0-42.0 | 2.69 | 647.60 | 0.40 | 95.32 | 88.0-89.0 | 0.06 | 674.55 | 0.01 | 99.28 |
| 42.0-43.0 | 2.14 | 649.74 | 0.32 | 95.63 | 89.0-90.0 | 0.05 | 674.60 | 0.01 | 99.29 |
| 43.0-44.0 | 1.70 | 651.44 | 0.25 | 95.88 | 90.0-91.0 | 0.04 | 674.65 | 0.01 | 99.30 |
| 44.0-45.0 | 1.44 | 652.88 | 0.21 | 96.09 | 91.0-92.0 | 0.04 | 674.69 | 0.01 | 99.30 |
| 45.0-46.0 | 1.29 | 654.16 | 0.19 | 96.28 | 92.0-93.0 | 0.03 | 674.72 | 0.00 | 99.31 |
| 46.0-47.0 | 1.18 | 655.35 | 0.17 | 96.46 | 93.0-94.0 | 0.03 | 674.75 | 0.00 | 99.31 |

IES Indoor Report

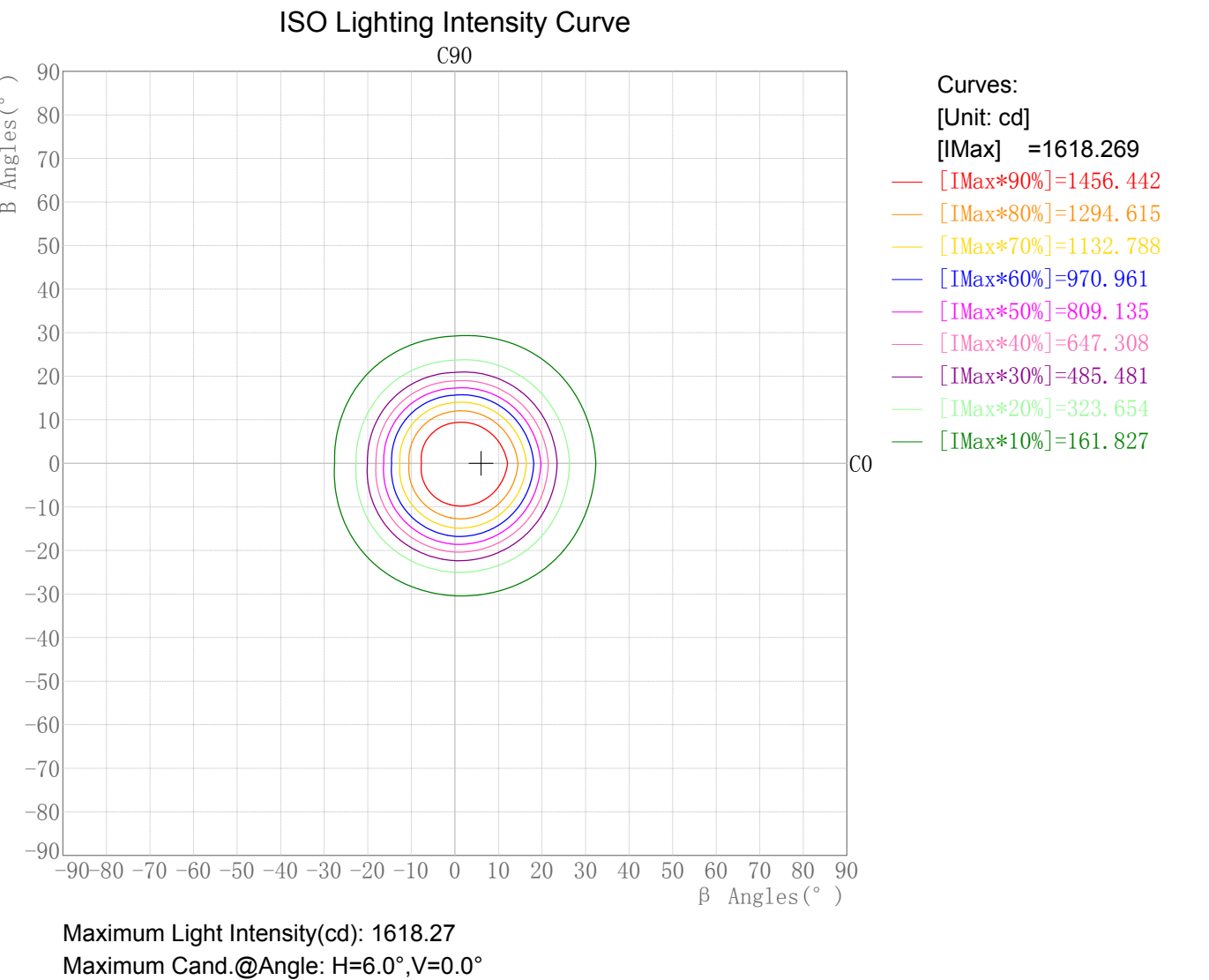
Photometric Filename:SD02-08-XX-01 4000K RA90 36D.IES

Zonal Flux Tabulation - (Cont.)

| Zone(γ) | Zone Flux (lm) | Sums Flux (lm) | Zone%Lamp | Sums%Lamp | Zone(γ) | Zone Flux (lm) | Sums Flux (lm) | Zone%Lamp | Sums%Lamp |
|---------------|-------------------|-------------------|-----------|-----------|---------------|-------------------|-------------------|-----------|-----------|
| 94. 0-95. 0 | 0. 03 | 674. 77 | 0. 00 | 99. 32 | 141. 0-142. 0 | 0. 10 | 675. 68 | 0. 02 | 99. 45 |
| 95. 0-96. 0 | 0. 02 | 674. 80 | 0. 00 | 99. 32 | 142. 0-143. 0 | 0. 11 | 675. 79 | 0. 02 | 99. 47 |
| 96. 0-97. 0 | 0. 02 | 674. 82 | 0. 00 | 99. 32 | 143. 0-144. 0 | 0. 11 | 675. 90 | 0. 02 | 99. 48 |
| 97. 0-98. 0 | 0. 02 | 674. 83 | 0. 00 | 99. 33 | 144. 0-145. 0 | 0. 12 | 676. 02 | 0. 02 | 99. 50 |
| 98. 0-99. 0 | 0. 01 | 674. 85 | 0. 00 | 99. 33 | 145. 0-146. 0 | 0. 12 | 676. 15 | 0. 02 | 99. 52 |
| 99. 0-100. 0 | 0. 01 | 674. 86 | 0. 00 | 99. 33 | 146. 0-147. 0 | 0. 13 | 676. 28 | 0. 02 | 99. 54 |
| 100. 0-101. 0 | 0. 01 | 674. 87 | 0. 00 | 99. 33 | 147. 0-148. 0 | 0. 13 | 676. 41 | 0. 02 | 99. 56 |
| 101. 0-102. 0 | 0. 01 | 674. 88 | 0. 00 | 99. 33 | 148. 0-149. 0 | 0. 14 | 676. 54 | 0. 02 | 99. 58 |
| 102. 0-103. 0 | 0. 01 | 674. 88 | 0. 00 | 99. 33 | 149. 0-150. 0 | 0. 14 | 676. 68 | 0. 02 | 99. 60 |
| 103. 0-104. 0 | 0. 00 | 674. 89 | 0. 00 | 99. 33 | 150. 0-151. 0 | 0. 14 | 676. 82 | 0. 02 | 99. 62 |
| 104. 0-105. 0 | 0. 00 | 674. 89 | 0. 00 | 99. 33 | 151. 0-152. 0 | 0. 14 | 676. 96 | 0. 02 | 99. 64 |
| 105. 0-106. 0 | 0. 00 | 674. 89 | 0. 00 | 99. 33 | 152. 0-153. 0 | 0. 14 | 677. 11 | 0. 02 | 99. 66 |
| 106. 0-107. 0 | 0. 00 | 674. 89 | 0. 00 | 99. 33 | 153. 0-154. 0 | 0. 14 | 677. 25 | 0. 02 | 99. 68 |
| 107. 0-108. 0 | 0. 00 | 674. 89 | 0. 00 | 99. 33 | 154. 0-155. 0 | 0. 14 | 677. 39 | 0. 02 | 99. 70 |
| 108. 0-109. 0 | 0. 00 | 674. 89 | 0. 00 | 99. 33 | 155. 0-156. 0 | 0. 14 | 677. 53 | 0. 02 | 99. 72 |
| 109. 0-110. 0 | 0. 00 | 674. 89 | 0. 00 | 99. 33 | 156. 0-157. 0 | 0. 14 | 677. 67 | 0. 02 | 99. 74 |
| 110. 0-111. 0 | 0. 00 | 674. 89 | 0. 00 | 99. 33 | 157. 0-158. 0 | 0. 14 | 677. 80 | 0. 02 | 99. 76 |
| 111. 0-112. 0 | 0. 00 | 674. 89 | 0. 00 | 99. 33 | 158. 0-159. 0 | 0. 13 | 677. 94 | 0. 02 | 99. 78 |
| 112. 0-113. 0 | 0. 00 | 674. 89 | 0. 00 | 99. 33 | 159. 0-160. 0 | 0. 13 | 678. 07 | 0. 02 | 99. 80 |
| 113. 0-114. 0 | 0. 00 | 674. 89 | 0. 00 | 99. 33 | 160. 0-161. 0 | 0. 13 | 678. 19 | 0. 02 | 99. 82 |
| 114. 0-115. 0 | 0. 00 | 674. 89 | 0. 00 | 99. 33 | 161. 0-162. 0 | 0. 12 | 678. 31 | 0. 02 | 99. 84 |
| 115. 0-116. 0 | 0. 00 | 674. 89 | 0. 00 | 99. 33 | 162. 0-163. 0 | 0. 12 | 678. 43 | 0. 02 | 99. 86 |
| 116. 0-117. 0 | 0. 00 | 674. 89 | 0. 00 | 99. 33 | 163. 0-164. 0 | 0. 11 | 678. 54 | 0. 02 | 99. 87 |
| 117. 0-118. 0 | 0. 00 | 674. 89 | 0. 00 | 99. 33 | 164. 0-165. 0 | 0. 10 | 678. 64 | 0. 02 | 99. 89 |
| 118. 0-119. 0 | 0. 00 | 674. 89 | 0. 00 | 99. 33 | 165. 0-166. 0 | 0. 10 | 678. 74 | 0. 01 | 99. 90 |
| 119. 0-120. 0 | 0. 00 | 674. 89 | 0. 00 | 99. 33 | 166. 0-167. 0 | 0. 09 | 678. 83 | 0. 01 | 99. 91 |
| 120. 0-121. 0 | 0. 00 | 674. 89 | 0. 00 | 99. 33 | 167. 0-168. 0 | 0. 08 | 678. 91 | 0. 01 | 99. 93 |
| 121. 0-122. 0 | 0. 00 | 674. 89 | 0. 00 | 99. 33 | 168. 0-169. 0 | 0. 08 | 678. 99 | 0. 01 | 99. 94 |
| 122. 0-123. 0 | 0. 00 | 674. 89 | 0. 00 | 99. 33 | 169. 0-170. 0 | 0. 07 | 679. 06 | 0. 01 | 99. 95 |
| 123. 0-124. 0 | 0. 00 | 674. 89 | 0. 00 | 99. 33 | 170. 0-171. 0 | 0. 06 | 679. 13 | 0. 01 | 99. 96 |
| 124. 0-125. 0 | 0. 00 | 674. 89 | 0. 00 | 99. 33 | 171. 0-172. 0 | 0. 06 | 679. 18 | 0. 01 | 99. 97 |
| 125. 0-126. 0 | 0. 00 | 674. 89 | 0. 00 | 99. 34 | 172. 0-173. 0 | 0. 05 | 679. 24 | 0. 01 | 99. 97 |
| 126. 0-127. 0 | 0. 01 | 674. 90 | 0. 00 | 99. 34 | 173. 0-174. 0 | 0. 04 | 679. 28 | 0. 01 | 99. 98 |
| 127. 0-128. 0 | 0. 01 | 674. 91 | 0. 00 | 99. 34 | 174. 0-175. 0 | 0. 04 | 679. 32 | 0. 01 | 99. 99 |
| 128. 0-129. 0 | 0. 01 | 674. 92 | 0. 00 | 99. 34 | 175. 0-176. 0 | 0. 03 | 679. 35 | 0. 00 | 99. 99 |
| 129. 0-130. 0 | 0. 02 | 674. 94 | 0. 00 | 99. 34 | 176. 0-177. 0 | 0. 02 | 679. 37 | 0. 00 | 99. 99 |
| 130. 0-131. 0 | 0. 02 | 674. 96 | 0. 00 | 99. 34 | 177. 0-178. 0 | 0. 02 | 679. 39 | 0. 00 | 100. 00 |
| 131. 0-132. 0 | 0. 03 | 674. 99 | 0. 00 | 99. 35 | 178. 0-179. 0 | 0. 01 | 679. 40 | 0. 00 | 100. 00 |
| 132. 0-133. 0 | 0. 04 | 675. 02 | 0. 01 | 99. 35 | 179. 0-180. 0 | 0. 00 | 679. 41 | 0. 00 | 100. 00 |
| 133. 0-134. 0 | 0. 04 | 675. 07 | 0. 01 | 99. 36 | | | | | |
| 134. 0-135. 0 | 0. 05 | 675. 12 | 0. 01 | 99. 37 | | | | | |
| 135. 0-136. 0 | 0. 06 | 675. 18 | 0. 01 | 99. 38 | | | | | |
| 136. 0-137. 0 | 0. 07 | 675. 24 | 0. 01 | 99. 39 | | | | | |
| 137. 0-138. 0 | 0. 07 | 675. 32 | 0. 01 | 99. 40 | | | | | |
| 138. 0-139. 0 | 0. 08 | 675. 40 | 0. 01 | 99. 41 | | | | | |
| 139. 0-140. 0 | 0. 09 | 675. 49 | 0. 01 | 99. 42 | | | | | |
| 140. 0-141. 0 | 0. 10 | 675. 58 | 0. 01 | 99. 44 | | | | | |

Rectangle ISO Lighting Intensity Diagram

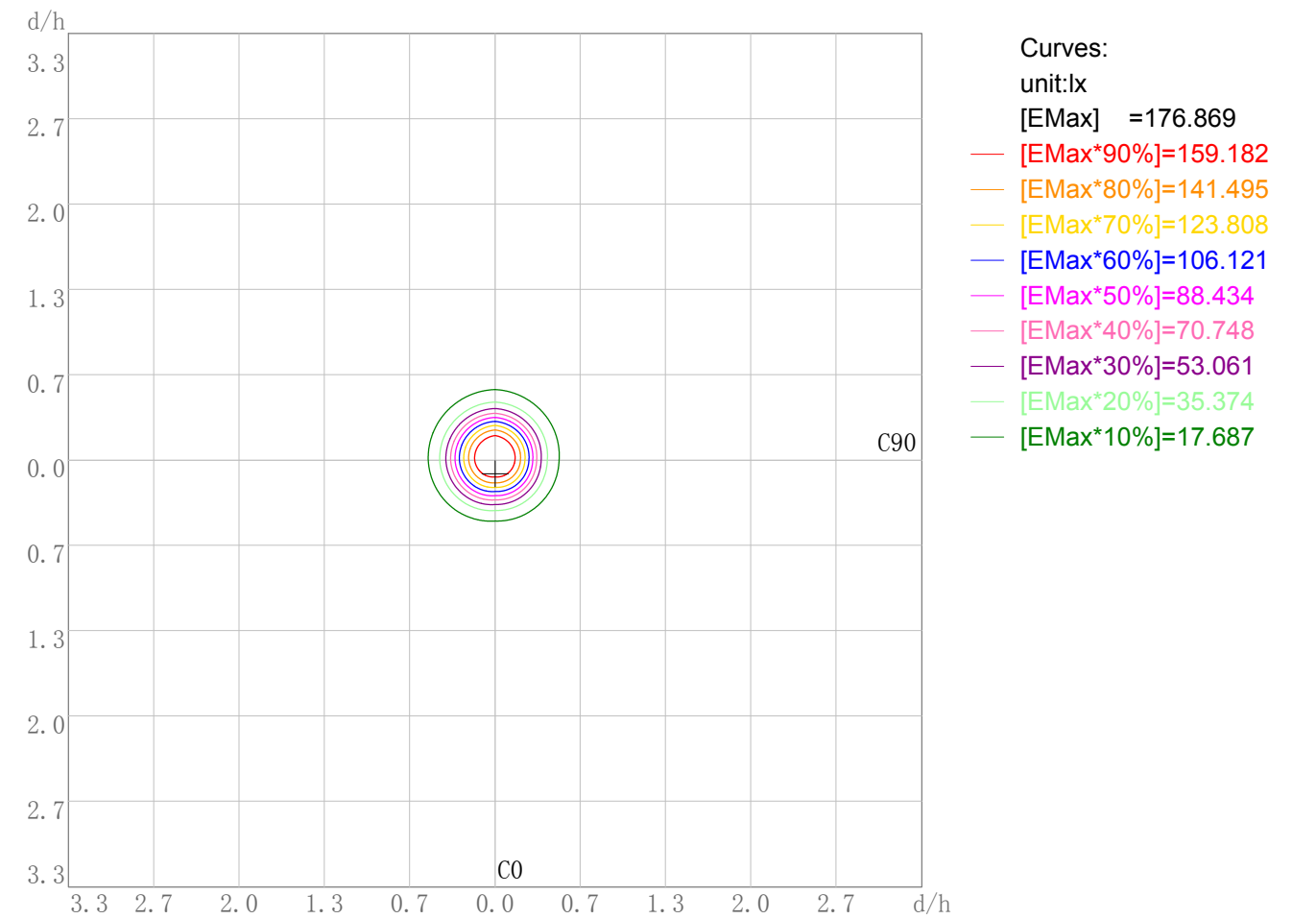
| | | |
|---|-----------------------|------------------------------|
| Lum. Name: SD02-08-XX-01 4000K RA90 36D | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | Lamp Catalog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting Co.Ltd | Test Machine:GON-2000 | Test Date: 2021/04/28 |



Plane ISO-Illuminance Diagram

| | | |
|---|-----------------------|------------------------------|
| Lum. Name: SD02-08-XX-01 4000K RA90 36D | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | Lamp Catalog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting Co.Ltd | Test Machine:GON-2000 | Test Date: 2021/04/28 |

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 176.87
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.1

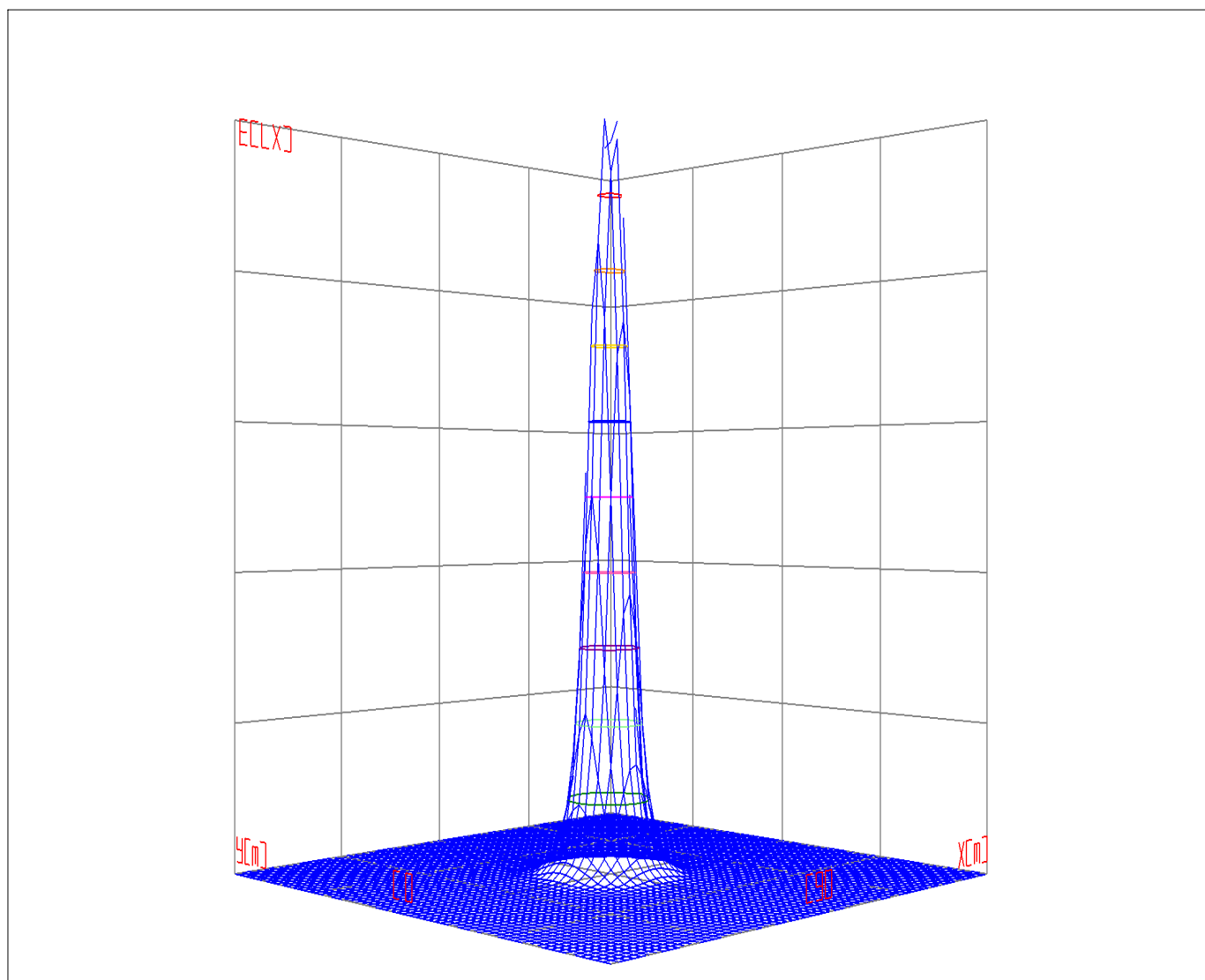
IES Indoor Report

Photometric Filename:SD02-08-XX-01 4000K RA90 36D.IES

3D Plane ISO Illuminance Diagram

| | | |
|---|-----------------------|------------------------------|
| Lum. Name: SD02-08-XX-01 4000K RA90 36D | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | Lamp Catalog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting Co.Ltd | Test Machine:GON-2000 | Test Date: 2021/04/28 |

3D Plane Illuminance Modal

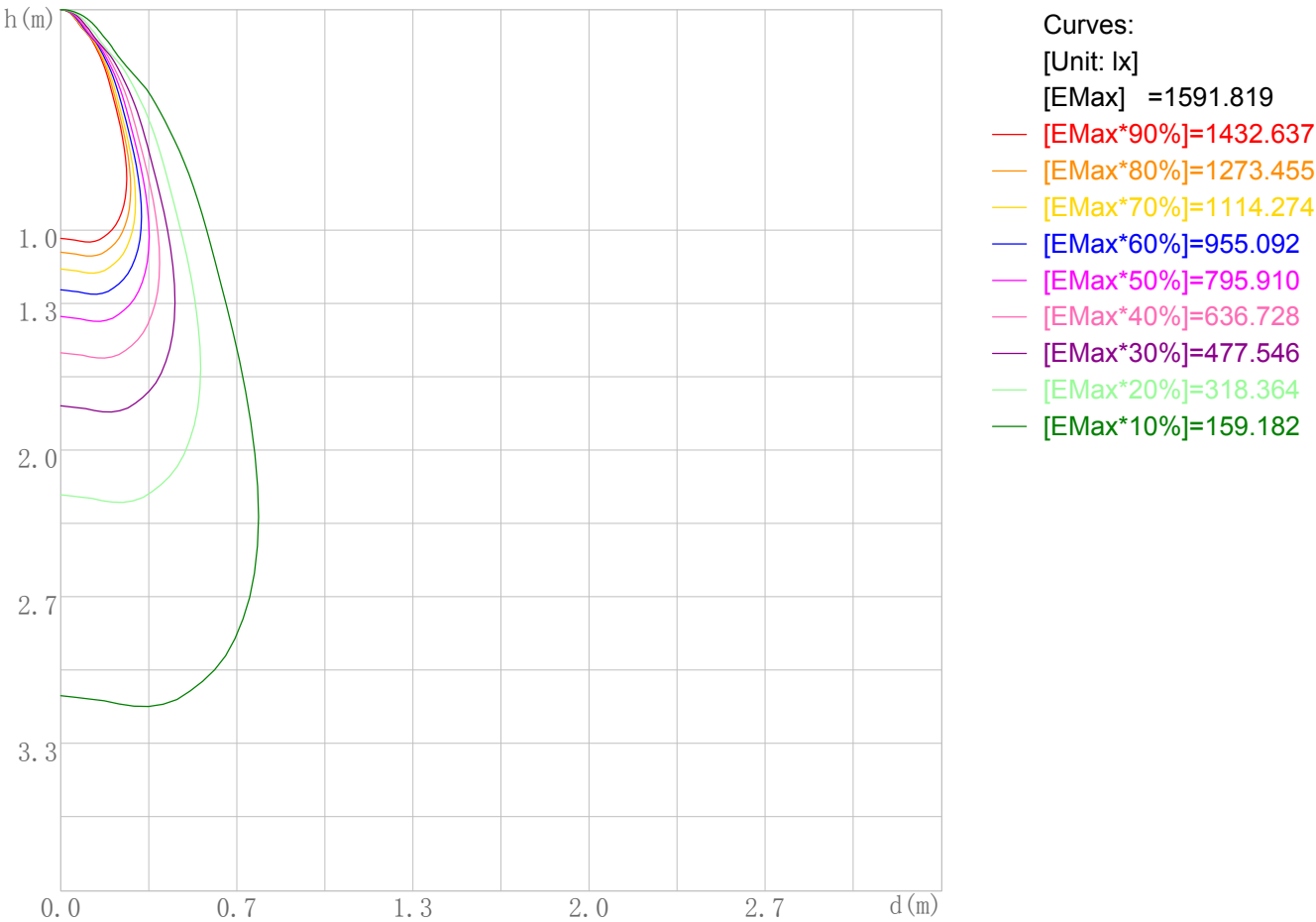


Curves: 3D Model — 90% — 80% — 70% — 60% — 50% — 40% — 30% — 20% — 10% —
View Angles(deg): 0 Height(m): 3.0 Distance(m): 10.0

Space ISO Illuminance Diagram

| | | |
|---|-----------------------|------------------------------|
| Lum. Name: SD02-08-XX-01 4000K RA90 36D | Lum. Catelog: | Test ID: 01 |
| Lamp Name: | Lamp Catelog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting Co.Ltd | Test Machine:GON-2000 | Test Date: 2021/04/28 |

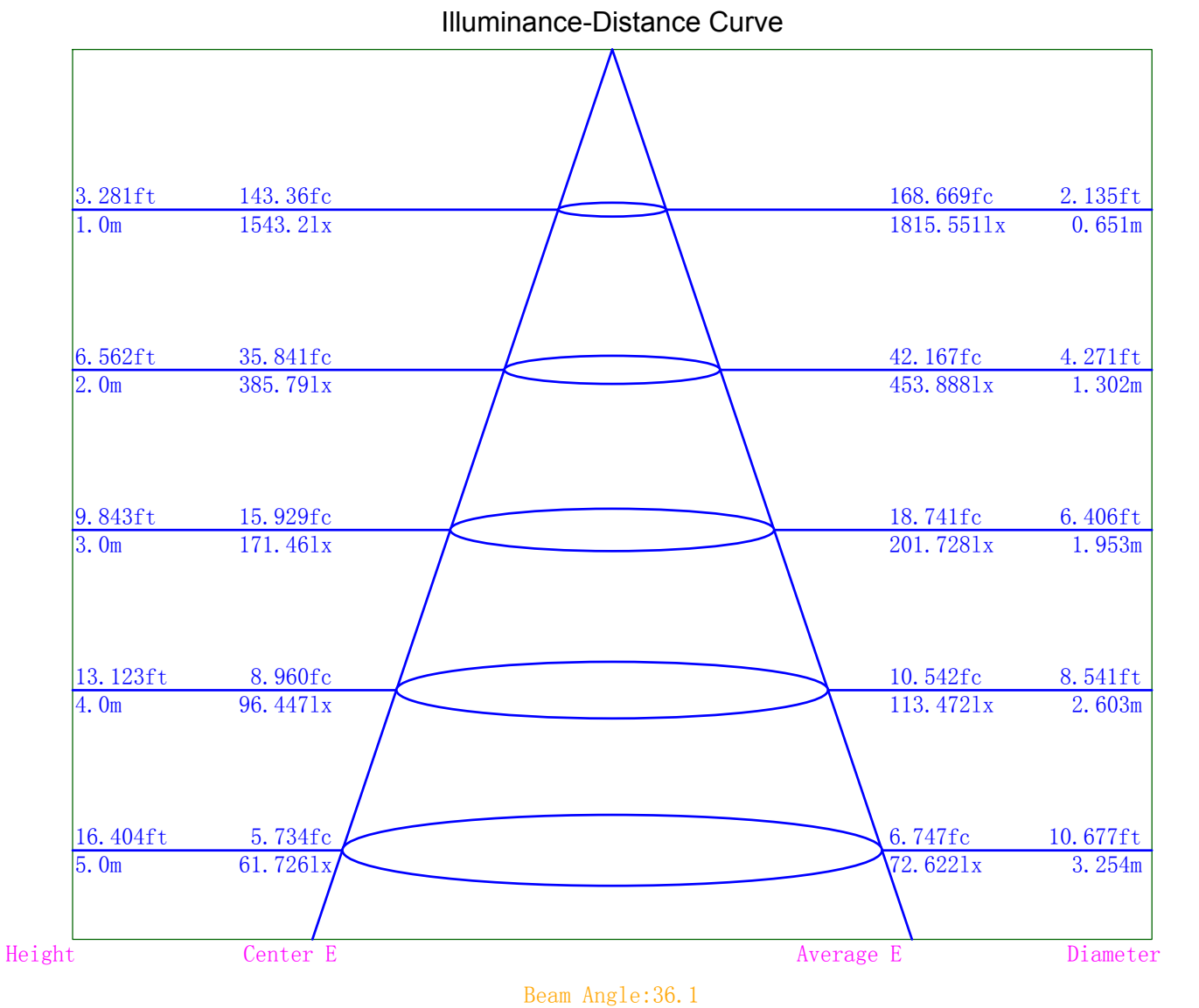
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:1591.82lx,6.0deg
Plane Maximum Lighting Intensity and @Angle:1618.269cd,0deg

Illuminance-Distance Diagram

| | | |
|---|-----------------------|------------------------------|
| Lum. Name: SD02-08-XX-01 4000K RA90 36D | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | Lamp Catalog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting Co.Ltd | Test Machine:GON-2000 | Test Date: 2021/04/28 |



Indoor Luminance Limiting Curves

| | | |
|---|-----------------------|------------------------------|
| Lum. Name: SD02-08-XX-01 4000K RA90 36D | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | Lamp Catalog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting Co.Ltd | Test Machine:GON-2000 | Test Date: 2021/04/28 |

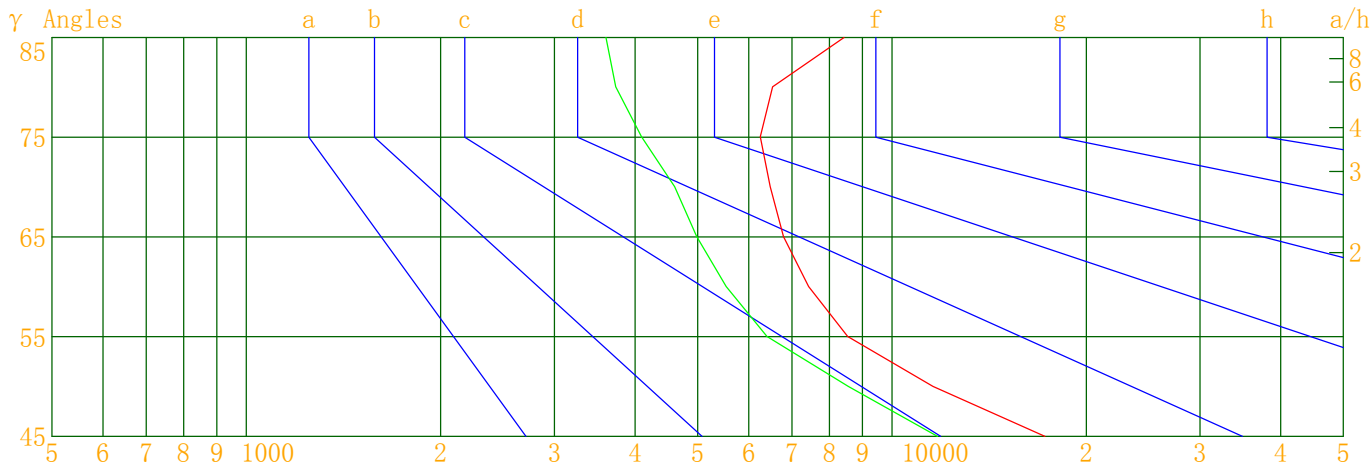
Glare Grade Table

| GI | Quality | Using Illuminance | | | | | | | |
|------|---------|-------------------|------|------|-------|-------|-------|-------|-------|
| 1.15 | A | 2000 | 1000 | 500 | <=300 | | | | |
| 1.5 | B | | 2000 | 1000 | 500 | <=300 | | | |
| 1.85 | C | | | 2000 | 1000 | 500 | <=300 | | |
| 2.2 | D | | | | 2000 | 1000 | 500 | <=300 | |
| 2.55 | E | a | | | | 2000 | 1000 | 500 | <=300 |
| | | | b | c | d | e | f | g | h |

Luminance Table

| Gama(deg) | 45 | 50 | 55 | 60 | 65 | 70 | 75 | 80 | 85 |
|-----------|-------|-------|------|------|------|------|------|------|------|
| C0 | 17249 | 11576 | 8539 | 7431 | 6793 | 6476 | 6254 | 6535 | 8426 |
| C90 | 11762 | 8558 | 6406 | 5535 | 4983 | 4606 | 4093 | 3734 | 3605 |

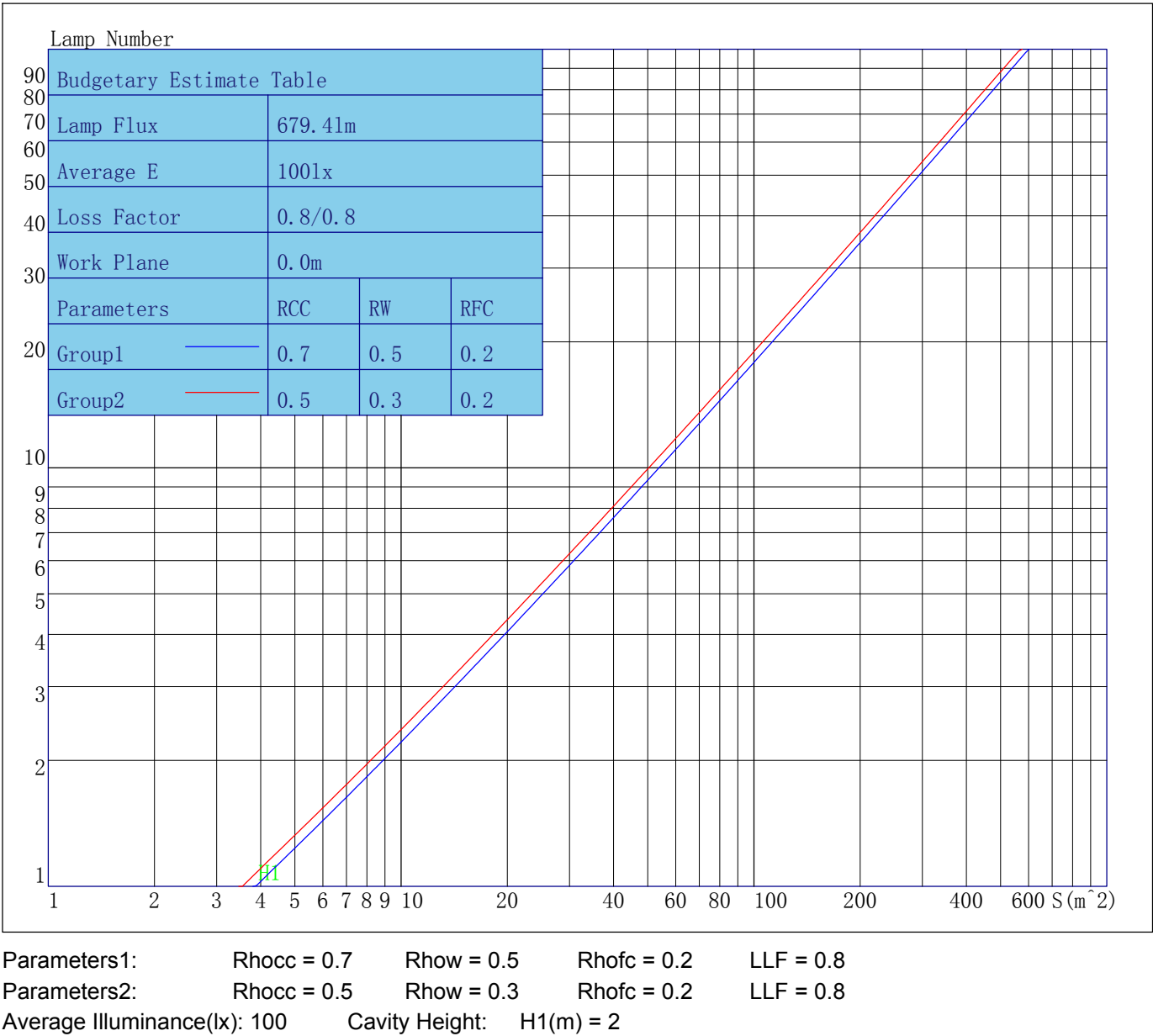
Luminance Limiting Curve



Luminous Size: Length(m)=0.000 Width(m)=-0.050 Height(m)=0.000 Area(m^2)=0.001963
Luminous Type: Without Luminous Side
Luminous Curves: C0-C180 Color: — C90-C270 Color: —

Indoor Budgetary Estimate Table

| | | |
|---|-----------------------|------------------------------|
| Lum. Name: SD02-08-XX-01 4000K RA90 36D | Lum. Catalog: | Test ID: 01 |
| Lamp Name: | Lamp Catalog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting Co.Ltd | Test Machine:GON-2000 | Test Date: 2021/04/28 |



Indoor Coefficient of Utilization Table

| | | |
|---|-----------------------|------------------------------|
| Lum. Name: SD02-08-XX-01 4000K RA90 36D | Lum. Catelog: | Test ID: 01 |
| Lamp Name: | Lamp Catelog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting Co.Ltd | Test Machine:GON-2000 | Test Date: 2021/04/28 |

| Coefficients of Utilization - Zonal Cavity Method | | | | | | | | | | | | | | | | | | |
|---|---|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
| Coef. | Effective Floor Cavity Reflectance RFC=0.20 | | | | | | | | | | | | | | | | | |
| RhoCC (%) | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | | 0 |
| RhoW (%) | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| RCR | Coefficient of Utilization(%) | | | | | | | | | | | | | | | | | |
| 0 | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 101 | 101 | 101 | 99 |
| 1 | 114 | 112 | 109 | 107 | 112 | 109 | 107 | 106 | 105 | 104 | 102 | 101 | 100 | 99 | 98 | 97 | 96 | 94 |
| 2 | 109 | 105 | 102 | 99 | 107 | 103 | 100 | 97 | 100 | 97 | 95 | 97 | 95 | 93 | 94 | 93 | 91 | 89 |
| 3 | 105 | 99 | 95 | 92 | 103 | 98 | 94 | 91 | 95 | 92 | 89 | 93 | 90 | 88 | 91 | 88 | 87 | 85 |
| 4 | 101 | 94 | 90 | 86 | 99 | 93 | 89 | 86 | 91 | 87 | 84 | 89 | 86 | 83 | 87 | 85 | 82 | 81 |
| 5 | 97 | 90 | 85 | 81 | 95 | 89 | 84 | 81 | 87 | 83 | 80 | 85 | 82 | 79 | 84 | 81 | 79 | 77 |
| 6 | 93 | 86 | 81 | 77 | 92 | 85 | 80 | 77 | 84 | 79 | 76 | 82 | 79 | 76 | 81 | 78 | 75 | 74 |
| 7 | 90 | 82 | 77 | 74 | 89 | 81 | 77 | 73 | 80 | 76 | 73 | 79 | 75 | 72 | 78 | 75 | 72 | 71 |
| 8 | 87 | 79 | 74 | 70 | 85 | 78 | 73 | 70 | 77 | 73 | 70 | 76 | 72 | 69 | 75 | 72 | 69 | 68 |
| 9 | 84 | 76 | 71 | 67 | 83 | 75 | 70 | 67 | 74 | 70 | 67 | 73 | 69 | 67 | 72 | 69 | 66 | 65 |
| 10 | 81 | 73 | 68 | 65 | 80 | 72 | 68 | 65 | 71 | 67 | 64 | 71 | 67 | 64 | 70 | 67 | 64 | 63 |

Unified Glare Rating Table

| | | |
|---|-----------------------|------------------------------|
| Lum. Name: SD02-08-XX-01 4000K RA90 36D | Lum. Catelog: | Test ID: 01 |
| Lamp Name: | Lamp Catelog: LED | Test Lab: Quality Department |
| Manufacture: Shenzhen Norming Lighting Co.Ltd | Test Machine:GON-2000 | Test Date: 2021/04/28 |

Unified Glare Rating Table

| | | | | | | | | | | |
|--|-----------------|------|------|------|------|---------------|------|------|------|------|
| Ceiling RCC | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 | 0.70 | 0.70 | 0.50 | 0.50 | 0.30 |
| Wall RW | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 | 0.50 | 0.30 | 0.50 | 0.30 | 0.30 |
| Floor RFC | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 | 0.20 |
| Room Size | Vewed crosswise | | | | | Vewed endwise | | | | |
| X=2H Y=2H | 17.0 | 18.0 | 17.4 | 18.4 | 18.7 | 15.1 | 16.1 | 15.5 | 16.4 | 16.8 |
| | 17.2 | 18.1 | 17.6 | 18.4 | 18.8 | 15.2 | 16.1 | 15.6 | 16.5 | 16.8 |
| | 17.2 | 18.1 | 17.7 | 18.4 | 18.9 | 15.3 | 16.1 | 15.7 | 16.5 | 16.9 |
| | 17.3 | 18.1 | 17.8 | 18.5 | 18.9 | 15.3 | 16.1 | 15.7 | 16.5 | 16.9 |
| | 17.4 | 18.1 | 17.8 | 18.5 | 18.9 | 15.3 | 16.0 | 15.7 | 16.4 | 16.9 |
| | 17.4 | 18.1 | 17.9 | 18.5 | 19.0 | 15.3 | 16.0 | 15.7 | 16.4 | 16.8 |
| X=4H Y=2H | 16.9 | 17.7 | 17.3 | 18.1 | 18.5 | 15.0 | 15.8 | 15.4 | 16.2 | 16.6 |
| | 17.1 | 17.8 | 17.5 | 18.2 | 18.7 | 15.2 | 15.9 | 15.6 | 16.3 | 16.8 |
| | 17.3 | 17.9 | 17.7 | 18.3 | 18.8 | 15.3 | 16.0 | 15.8 | 16.4 | 16.9 |
| | 17.5 | 18.0 | 17.9 | 18.5 | 19.0 | 15.4 | 16.0 | 15.9 | 16.5 | 17.0 |
| | 17.6 | 18.1 | 18.0 | 18.5 | 19.0 | 15.5 | 16.0 | 16.0 | 16.5 | 16.9 |
| | 17.7 | 18.1 | 18.2 | 18.6 | 19.1 | 15.5 | 15.9 | 16.0 | 16.4 | 16.9 |
| X=8H Y=4H | 17.2 | 17.7 | 17.7 | 18.2 | 18.7 | 15.3 | 15.8 | 15.8 | 16.3 | 16.8 |
| | 17.5 | 17.9 | 18.0 | 18.4 | 19.0 | 15.5 | 15.9 | 16.0 | 16.4 | 17.0 |
| | 17.7 | 18.1 | 18.2 | 18.6 | 19.1 | 15.6 | 16.0 | 16.1 | 16.5 | 17.0 |
| | 17.9 | 18.2 | 18.4 | 18.7 | 19.3 | 15.7 | 16.0 | 16.2 | 16.5 | 17.1 |
| X=12H Y=4H | 17.2 | 17.6 | 17.7 | 18.1 | 18.6 | 15.3 | 15.7 | 15.8 | 16.2 | 16.7 |
| | 17.5 | 17.9 | 18.0 | 18.4 | 18.9 | 15.5 | 15.9 | 16.0 | 16.4 | 16.9 |
| | 17.7 | 18.0 | 18.2 | 18.6 | 19.1 | 15.6 | 15.9 | 16.1 | 16.5 | 17.0 |
| Variations with the objverver position at spacings | | | | | | | | | | |
| S=1.0H | 0.3/-0.3 | | | | | 0.5/-0.5 | | | | |
| S=1.5H | 0.6/-0.6 | | | | | 0.8/-0.9 | | | | |
| S=2.0H | 0.7/-0.8 | | | | | 1.1/-1.3 | | | | |
| Reduced UGR Table: | | | | | | | | | | |
| Nordic Standard Table: | BK0 | | | | | BK0 | | | | |
| Correction Value | 1.1 | | | | | 0.9 | | | | |

o the CIE Pub.117, data has been corrected, refers to the lamp’s lumens 8.2flm.

Candela Tabulation

| V/H | C0.0 | C90.0 | C180.0 | C270.0 |
|--------|---------|---------|---------|---------|
| γ 0.0 | 1543.15 | 1543.15 | 1543.15 | 1543.15 |
| γ 1.0 | 1550.89 | 1538.14 | 1539.56 | 1531.77 |
| γ 2.0 | 1561.23 | 1551.43 | 1540.69 | 1533.69 |
| γ 3.0 | 1572.38 | 1569.68 | 1549.78 | 1537.79 |
| γ 4.0 | 1592.18 | 1589.78 | 1555.34 | 1548.08 |
| γ 5.0 | 1608.45 | 1593.29 | 1546.33 | 1559.26 |
| γ 6.0 | 1618.27 | 1584.49 | 1523.60 | 1562.35 |
| γ 7.0 | 1617.37 | 1555.33 | 1485.89 | 1555.30 |
| γ 8.0 | 1606.49 | 1520.27 | 1442.03 | 1528.62 |
| γ 9.0 | 1579.63 | 1474.56 | 1389.66 | 1491.21 |
| γ 10.0 | 1548.06 | 1421.29 | 1330.61 | 1442.56 |
| γ 11.0 | 1510.24 | 1360.49 | 1261.07 | 1392.85 |
| γ 12.0 | 1462.65 | 1291.84 | 1185.06 | 1336.54 |
| γ 13.0 | 1402.64 | 1214.10 | 1101.43 | 1273.41 |
| γ 14.0 | 1331.92 | 1129.69 | 1015.48 | 1198.16 |
| γ 15.0 | 1256.32 | 1035.39 | 929.79 | 1119.86 |
| γ 16.0 | 1171.18 | 938.47 | 839.24 | 1035.27 |
| γ 17.0 | 1078.06 | 837.15 | 748.36 | 949.95 |
| γ 18.0 | 981.17 | 735.92 | 656.86 | 862.72 |
| γ 19.0 | 881.59 | 639.02 | 570.63 | 772.15 |
| γ 20.0 | 781.16 | 551.34 | 490.78 | 680.29 |
| γ 21.0 | 686.60 | 475.75 | 421.37 | 591.89 |
| γ 22.0 | 598.42 | 410.07 | 359.48 | 510.36 |
| γ 23.0 | 518.18 | 355.27 | 307.13 | 437.41 |
| γ 24.0 | 447.73 | 308.81 | 262.74 | 375.31 |
| γ 25.0 | 387.32 | 270.14 | 227.12 | 323.29 |
| γ 26.0 | 337.50 | 237.07 | 197.91 | 281.06 |
| γ 27.0 | 296.71 | 209.57 | 174.09 | 245.81 |
| γ 28.0 | 263.23 | 186.17 | 153.94 | 216.85 |
| γ 29.0 | 234.30 | 166.06 | 136.28 | 191.66 |
| γ 30.0 | 209.71 | 148.14 | 120.85 | 169.84 |
| γ 31.0 | 187.78 | 132.38 | 107.02 | 150.39 |
| γ 32.0 | 168.25 | 118.50 | 94.61 | 133.00 |
| γ 33.0 | 150.37 | 105.53 | 83.14 | 117.16 |
| γ 34.0 | 133.91 | 93.77 | 73.08 | 103.25 |
| γ 35.0 | 119.36 | 83.05 | 63.77 | 90.89 |
| γ 36.0 | 105.12 | 73.14 | 55.97 | 79.14 |
| γ 37.0 | 92.75 | 64.67 | 49.24 | 69.13 |
| γ 38.0 | 82.51 | 57.25 | 43.43 | 60.76 |
| γ 39.0 | 73.17 | 50.82 | 38.26 | 53.32 |
| γ 40.0 | 65.01 | 45.10 | 33.78 | 46.71 |
| γ 41.0 | 57.55 | 39.67 | 25.99 | 41.10 |
| γ 42.0 | 50.40 | 29.51 | 18.70 | 33.49 |
| γ 43.0 | 37.90 | 21.85 | 15.65 | 23.94 |
| γ 44.0 | 28.76 | 18.46 | 13.75 | 19.45 |
| γ 45.0 | 23.95 | 16.33 | 12.44 | 16.76 |
| γ 46.0 | 20.70 | 14.84 | 11.48 | 15.00 |

Candela Tabulation - (Cont.)

| V/H | C0.0 | C90.0 | C180.0 | C270.0 |
|--------|-------|-------|--------|--------|
| γ 47.0 | 18.62 | 13.64 | 10.77 | 13.90 |
| γ 48.0 | 17.02 | 12.64 | 10.15 | 13.04 |
| γ 49.0 | 15.77 | 11.73 | 9.54 | 12.29 |
| γ 50.0 | 14.61 | 10.80 | 8.66 | 11.55 |
| γ 51.0 | 13.43 | 9.58 | 8.02 | 10.56 |
| γ 52.0 | 11.98 | 8.84 | 7.53 | 9.73 |
| γ 53.0 | 11.07 | 8.19 | 7.14 | 9.13 |
| γ 54.0 | 10.27 | 7.66 | 6.82 | 8.65 |
| γ 55.0 | 9.62 | 7.21 | 6.56 | 8.23 |
| γ 56.0 | 9.08 | 6.80 | 6.26 | 7.90 |
| γ 57.0 | 8.59 | 6.43 | 5.99 | 7.58 |
| γ 58.0 | 8.12 | 6.08 | 5.73 | 7.27 |
| γ 59.0 | 7.71 | 5.74 | 5.51 | 6.97 |
| γ 60.0 | 7.30 | 5.43 | 5.29 | 6.68 |
| γ 61.0 | 6.94 | 5.17 | 5.07 | 6.41 |
| γ 62.0 | 6.61 | 4.89 | 4.83 | 6.15 |
| γ 63.0 | 6.27 | 4.64 | 4.61 | 5.90 |
| γ 64.0 | 5.95 | 4.37 | 4.41 | 5.64 |
| γ 65.0 | 5.64 | 4.14 | 4.22 | 5.41 |
| γ 66.0 | 5.37 | 3.91 | 4.03 | 5.18 |
| γ 67.0 | 5.09 | 3.71 | 3.84 | 4.96 |
| γ 68.0 | 4.84 | 3.49 | 3.64 | 4.75 |
| γ 69.0 | 4.59 | 3.29 | 3.45 | 4.53 |
| γ 70.0 | 4.35 | 3.09 | 3.26 | 4.32 |
| γ 71.0 | 4.11 | 2.88 | 3.03 | 4.09 |
| γ 72.0 | 3.87 | 2.65 | 2.83 | 3.87 |
| γ 73.0 | 3.62 | 2.45 | 2.62 | 3.63 |
| γ 74.0 | 3.40 | 2.26 | 2.41 | 3.40 |
| γ 75.0 | 3.18 | 2.08 | 2.21 | 3.20 |
| γ 76.0 | 2.98 | 1.91 | 2.03 | 2.98 |
| γ 77.0 | 2.77 | 1.74 | 1.84 | 2.78 |
| γ 78.0 | 2.58 | 1.57 | 1.66 | 2.58 |
| γ 79.0 | 2.39 | 1.41 | 1.48 | 2.38 |
| γ 80.0 | 2.23 | 1.27 | 1.33 | 2.19 |
| γ 81.0 | 2.05 | 1.14 | 1.18 | 2.02 |
| γ 82.0 | 1.89 | 0.99 | 1.02 | 1.84 |
| γ 83.0 | 1.73 | 0.85 | 0.89 | 1.67 |
| γ 84.0 | 1.59 | 0.74 | 0.74 | 1.51 |
| γ 85.0 | 1.44 | 0.62 | 0.62 | 1.36 |
| γ 86.0 | 1.30 | 0.49 | 0.49 | 1.22 |
| γ 87.0 | 1.18 | 0.38 | 0.38 | 1.08 |
| γ 88.0 | 1.05 | 0.29 | 0.26 | 0.95 |
| γ 89.0 | 0.94 | 0.19 | 0.17 | 0.82 |
| γ 90.0 | 0.82 | 0.13 | 0.10 | 0.71 |
| γ 91.0 | 0.73 | 0.08 | 0.06 | 0.63 |
| γ 92.0 | 0.67 | 0.02 | 0.01 | 0.57 |
| γ 93.0 | 0.60 | 0.00 | 0.00 | 0.50 |

IES Indoor Report

Photometric Filename:SD02-08-XX-01 4000K RA90 36D.IES

Candela Tabulation - (Cont.)

| V/H | C0.0 | C90.0 | C180.0 | C270.0 |
|---------|------|-------|--------|--------|
| γ 94.0 | 0.55 | 0.00 | 0.00 | 0.44 |
| γ 95.0 | 0.49 | 0.00 | 0.00 | 0.39 |
| γ 96.0 | 0.44 | 0.00 | 0.00 | 0.34 |
| γ 97.0 | 0.40 | 0.00 | 0.00 | 0.28 |
| γ 98.0 | 0.34 | 0.00 | 0.00 | 0.23 |
| γ 99.0 | 0.30 | 0.00 | 0.00 | 0.20 |
| γ 100.0 | 0.25 | 0.00 | 0.00 | 0.16 |
| γ 101.0 | 0.20 | 0.00 | 0.00 | 0.12 |
| γ 102.0 | 0.17 | 0.00 | 0.00 | 0.08 |
| γ 103.0 | 0.13 | 0.00 | 0.00 | 0.06 |
| γ 104.0 | 0.10 | 0.00 | 0.00 | 0.02 |
| γ 105.0 | 0.05 | 0.00 | 0.00 | 0.00 |
| γ 106.0 | 0.01 | 0.00 | 0.00 | 0.00 |
| γ 107.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 108.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 109.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 110.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 111.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 112.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 113.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 114.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 115.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 116.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 117.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 118.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 119.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 120.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 121.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 122.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 123.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 124.0 | 0.00 | 0.00 | 0.00 | 0.00 |
| γ 125.0 | 0.00 | 0.00 | 0.05 | 0.05 |
| γ 126.0 | 0.00 | 0.00 | 0.11 | 0.10 |
| γ 127.0 | 0.00 | 0.00 | 0.20 | 0.15 |
| γ 128.0 | 0.00 | 0.00 | 0.28 | 0.22 |
| γ 129.0 | 0.00 | 0.00 | 0.37 | 0.28 |
| γ 130.0 | 0.02 | 0.00 | 0.47 | 0.35 |
| γ 131.0 | 0.10 | 0.09 | 0.57 | 0.44 |
| γ 132.0 | 0.16 | 0.19 | 0.68 | 0.53 |
| γ 133.0 | 0.25 | 0.29 | 0.81 | 0.63 |
| γ 134.0 | 0.32 | 0.40 | 0.92 | 0.73 |
| γ 135.0 | 0.43 | 0.52 | 1.05 | 0.83 |
| γ 136.0 | 0.52 | 0.63 | 1.17 | 0.94 |
| γ 137.0 | 0.63 | 0.75 | 1.29 | 1.05 |
| γ 138.0 | 0.75 | 0.89 | 1.42 | 1.17 |
| γ 139.0 | 0.87 | 1.01 | 1.55 | 1.30 |
| γ 140.0 | 0.98 | 1.13 | 1.68 | 1.42 |

Candela Tabulation - (Cont.)

| V/H | C0.0 | C90.0 | C180.0 | C270.0 |
|---------|------|-------|--------|--------|
| γ 141.0 | 1.10 | 1.27 | 1.81 | 1.54 |
| γ 142.0 | 1.24 | 1.39 | 1.94 | 1.67 |
| γ 143.0 | 1.36 | 1.52 | 2.07 | 1.78 |
| γ 144.0 | 1.49 | 1.64 | 2.21 | 1.90 |
| γ 145.0 | 1.62 | 1.77 | 2.32 | 2.02 |
| γ 146.0 | 1.74 | 1.90 | 2.45 | 2.16 |
| γ 147.0 | 1.88 | 2.02 | 2.57 | 2.27 |
| γ 148.0 | 2.00 | 2.15 | 2.69 | 2.38 |
| γ 149.0 | 2.13 | 2.26 | 2.80 | 2.50 |
| γ 150.0 | 2.24 | 2.37 | 2.92 | 2.62 |
| γ 151.0 | 2.36 | 2.48 | 3.01 | 2.73 |
| γ 152.0 | 2.48 | 2.60 | 3.12 | 2.83 |
| γ 153.0 | 2.60 | 2.69 | 3.20 | 2.93 |
| γ 154.0 | 2.72 | 2.78 | 3.29 | 3.03 |
| γ 155.0 | 2.82 | 2.88 | 3.37 | 3.11 |
| γ 156.0 | 2.93 | 2.97 | 3.44 | 3.20 |
| γ 157.0 | 3.01 | 3.04 | 3.49 | 3.27 |
| γ 158.0 | 3.10 | 3.12 | 3.55 | 3.34 |
| γ 159.0 | 3.19 | 3.17 | 3.60 | 3.40 |
| γ 160.0 | 3.26 | 3.23 | 3.63 | 3.45 |
| γ 161.0 | 3.33 | 3.27 | 3.66 | 3.51 |
| γ 162.0 | 3.39 | 3.31 | 3.67 | 3.53 |
| γ 163.0 | 3.44 | 3.34 | 3.69 | 3.55 |
| γ 164.0 | 3.46 | 3.35 | 3.69 | 3.57 |
| γ 165.0 | 3.50 | 3.38 | 3.70 | 3.59 |
| γ 166.0 | 3.52 | 3.38 | 3.68 | 3.59 |
| γ 167.0 | 3.55 | 3.39 | 3.67 | 3.58 |
| γ 168.0 | 3.54 | 3.41 | 3.66 | 3.59 |
| γ 169.0 | 3.57 | 3.42 | 3.66 | 3.59 |
| γ 170.0 | 3.57 | 3.42 | 3.66 | 3.58 |
| γ 171.0 | 3.59 | 3.44 | 3.67 | 3.59 |
| γ 172.0 | 3.60 | 3.46 | 3.67 | 3.59 |
| γ 173.0 | 3.62 | 3.49 | 3.67 | 3.61 |
| γ 174.0 | 3.63 | 3.50 | 3.69 | 3.62 |
| γ 175.0 | 3.64 | 3.52 | 3.70 | 3.63 |
| γ 176.0 | 3.67 | 3.57 | 3.71 | 3.65 |
| γ 177.0 | 3.68 | 3.60 | 3.72 | 3.67 |
| γ 178.0 | 3.71 | 3.62 | 3.74 | 3.69 |
| γ 179.0 | 3.72 | 3.64 | 3.75 | 3.71 |
| γ 180.0 | 3.72 | 3.72 | 3.72 | 3.72 |