

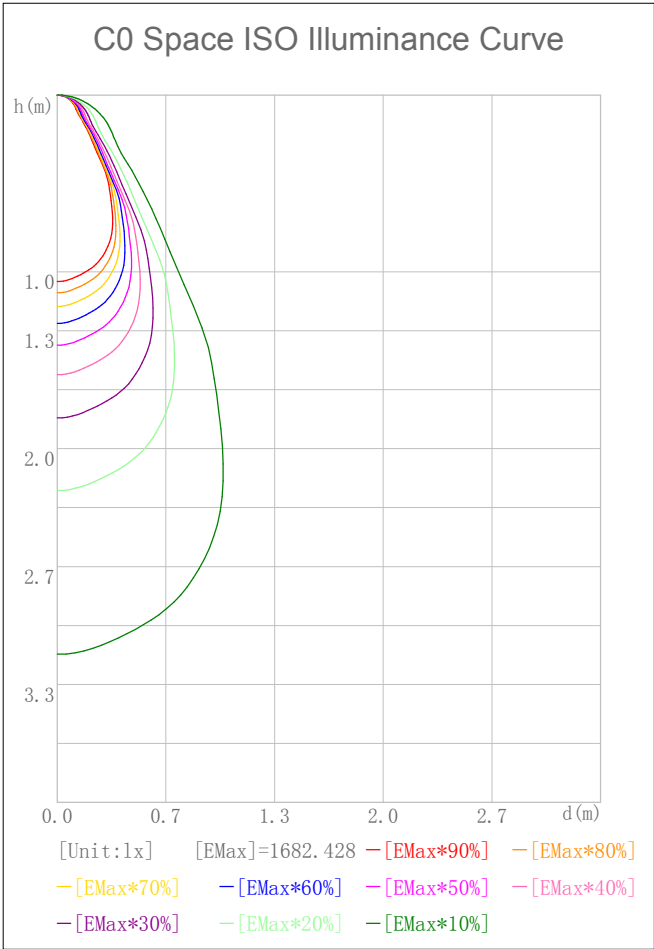
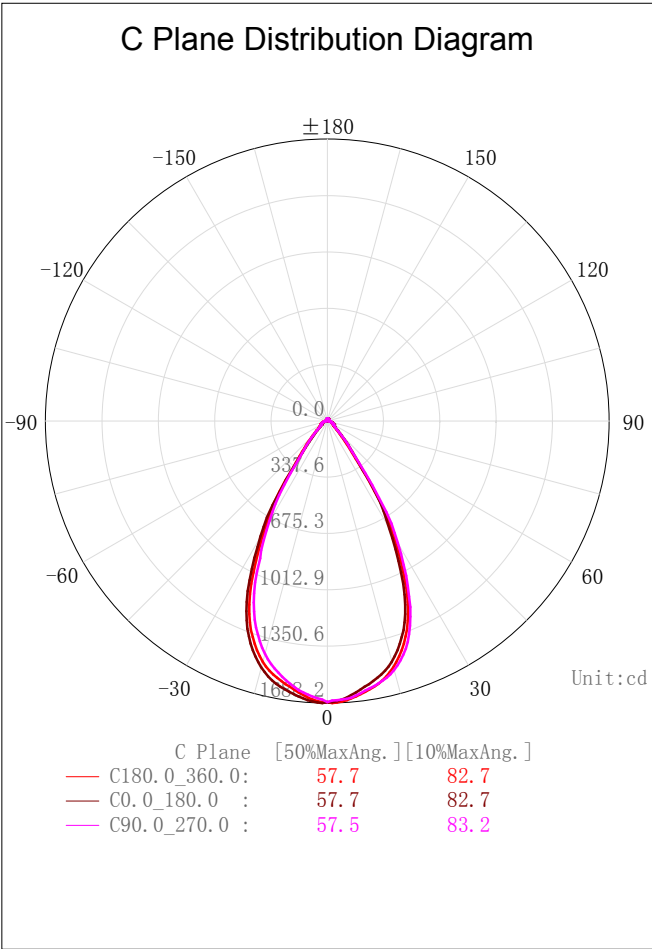
Indoor Luminaire Photometric Data

Description Information

Luminary Name: TR04-20-XX-01 4000K RA90 60D		Lum. Catalog:	Test ID: QIU MEI
Lamp Name:		Lamp Catalog: LED	Test Date: 2019/09/06
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):0.060m*0.060m*0.250m		Lum.Area(m2):0.019	Lum.W(kg): 0.000
Test System: C, γ	Test Step: C=90.0 γ=1.0	Temp.(°C): 25	Humidity(%): 50.0

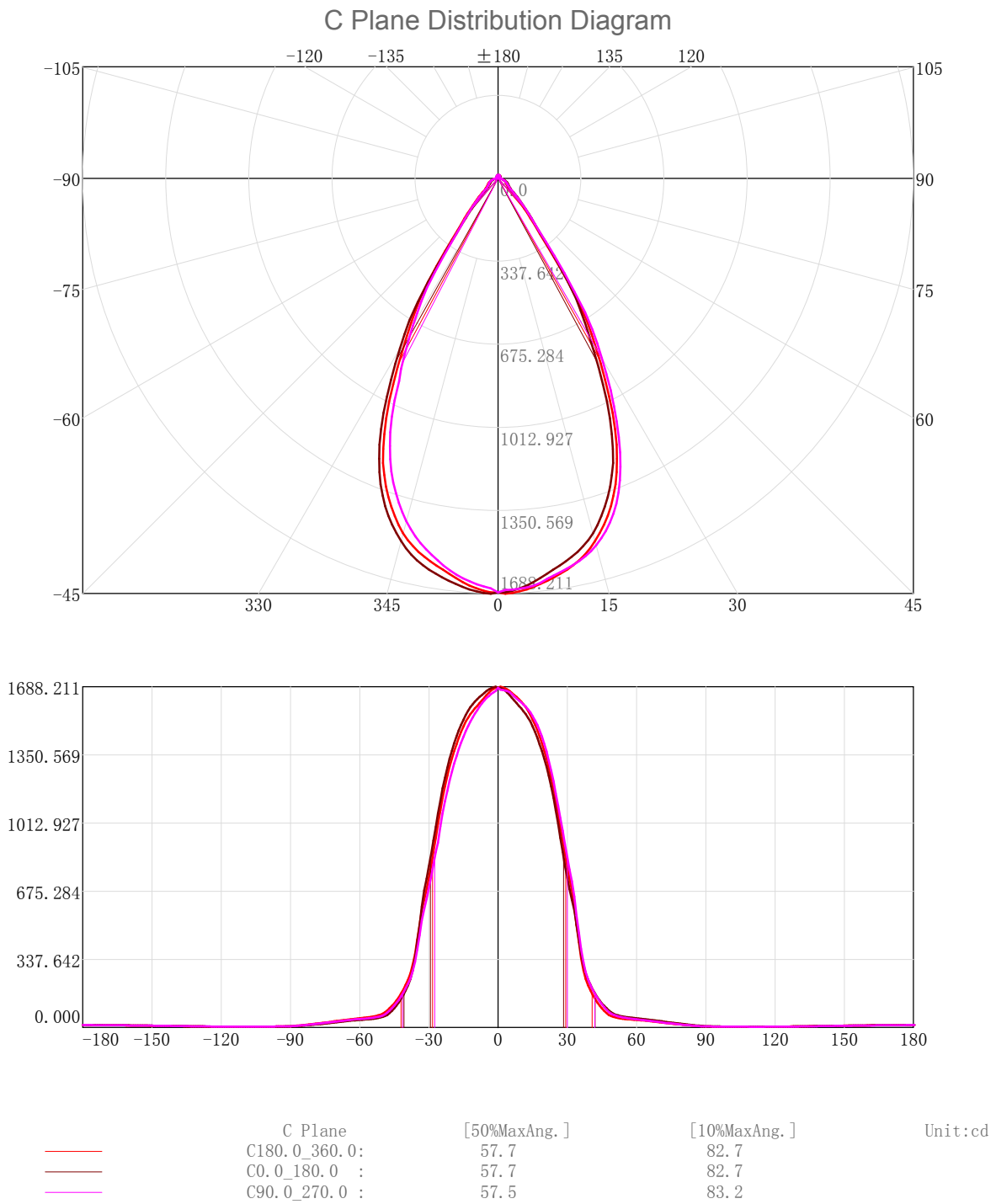
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 1587.580	Luminary Flux(lm): 1587.583	Field Angle(10%Imax): 82.7(°)	
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 1544.917lm 97.31%	
Rated Voltage(V):	Luminary EER(lm/W): 79.102	Up Lumens&Percent: 42.666lm 2.69%	
Tested Power(W): 20.070	Max. Candela(cd): 1688.211	S/MH: C0_a180=0.918 C90_270=0.909	
Lamps' Inside: 1	Max Cand@Ang.(°): C=180.0 γ=1.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf):239.8, 0.085, 0.978		ErP Φuse(90°): 1411.117lm	
Lamp Size(W*L*H):0.060m*0.060m*0.250m		IRF(%): 243.710	
		Left=-28.4°, Right=29.3°	



2D Plane Light Intensity Distribution Curve

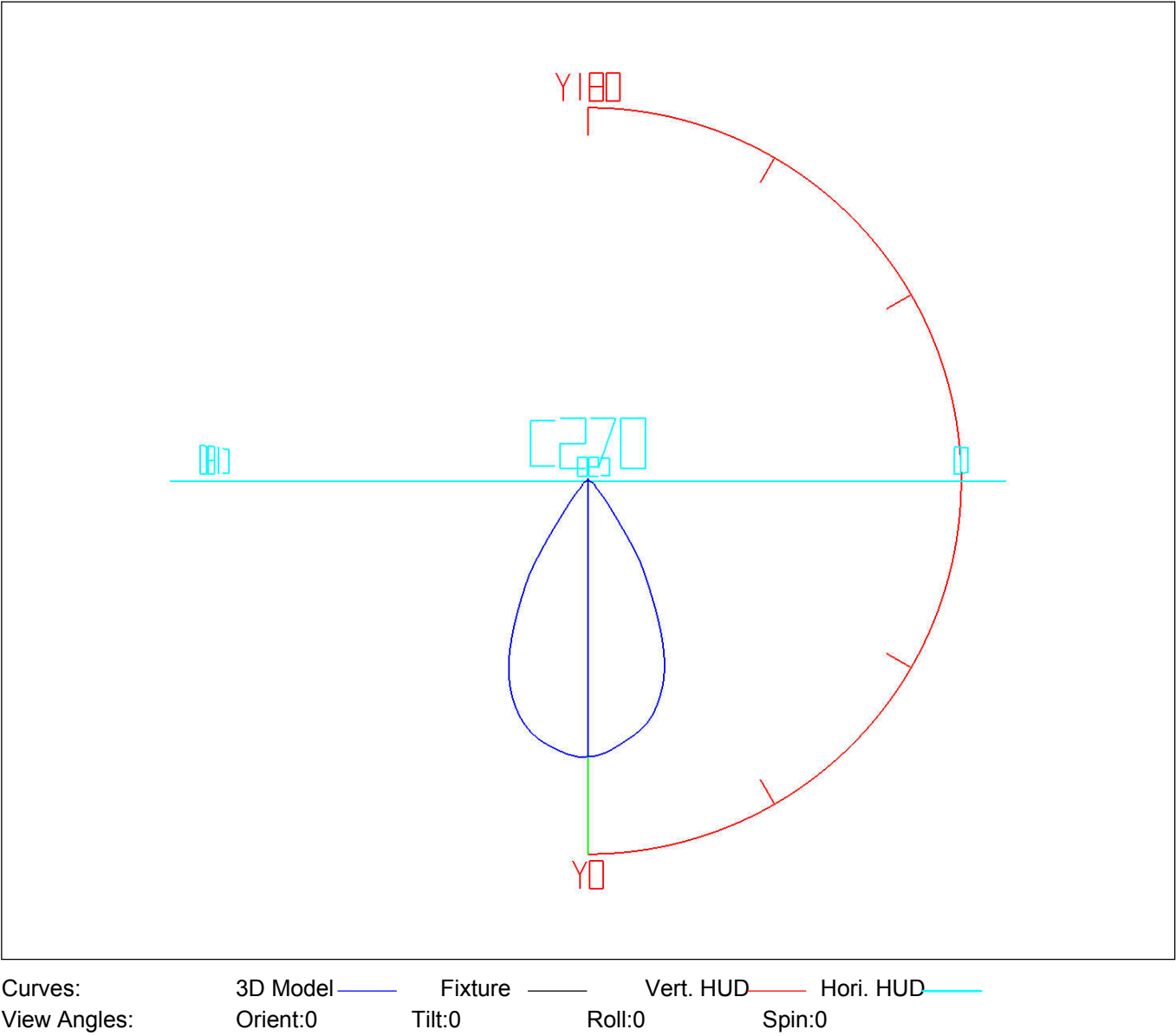
Lum. Name:TR04-20-XX-01 4000K RA90 60D	Lum. Catelog:	Test ID:QIU MEI
Lamp Name:	Lamp Catelog:LED	Test Lab:Quality Department
Manufacture:Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date:2019/09/06



3D Light Intensity Distribution Modal

Lum. Name:TR04-20-XX-01 4000K RA90 60D	Lum. Catelog:	Test ID:QIU MEI
Lamp Name:	Lamp Catelog:LED	Test Lab:Quality Department
Manufacture:Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date:2019/09/06

3D Light Intensity Distribution Modal



Photometric Filename:TR04-20-XX-01 4000K RA90 60D.IES

Zone(γ)	Zone Flux (1m)	Sums Flux (1m)	Zone%Lamp	Sums%Lamp	Zone(γ)	Zone Flux (1m)	Sums Flux (1m)	Zone%Lamp	Sums%Lamp
0.0-1.0	1.61	1.61	0.10	0.10	47.0-48.0	6.47	1417.38	0.41	89.28
1.0-2.0	4.81	6.42	0.30	0.40	48.0-49.0	5.83	1423.21	0.37	89.65
2.0-3.0	7.99	14.41	0.50	0.91	49.0-50.0	5.37	1428.58	0.34	89.98
3.0-4.0	11.14	25.55	0.70	1.61	50.0-51.0	5.06	1433.64	0.32	90.30
4.0-5.0	14.25	39.80	0.90	2.51	51.0-52.0	4.83	1438.47	0.30	90.61
5.0-6.0	17.30	57.10	1.09	3.60	52.0-53.0	4.65	1443.12	0.29	90.90
6.0-7.0	20.29	77.39	1.28	4.87	53.0-54.0	4.51	1447.63	0.28	91.18
7.0-8.0	23.22	100.61	1.46	6.34	54.0-55.0	4.40	1452.03	0.28	91.46
8.0-9.0	26.09	126.70	1.64	7.98	55.0-56.0	4.31	1456.34	0.27	91.73
9.0-10.0	28.90	155.60	1.82	9.80	56.0-57.0	4.23	1460.58	0.27	92.00
10.0-11.0	31.64	187.23	1.99	11.79	57.0-58.0	4.17	1464.74	0.26	92.26
11.0-12.0	34.29	221.53	2.16	13.95	58.0-59.0	4.11	1468.85	0.26	92.52
12.0-13.0	36.84	258.37	2.32	16.27	59.0-60.0	4.05	1472.91	0.26	92.78
13.0-14.0	39.26	297.62	2.47	18.75	60.0-61.0	3.99	1476.90	0.25	93.03
14.0-15.0	41.52	339.14	2.62	21.36	61.0-62.0	3.93	1480.83	0.25	93.28
15.0-16.0	43.60	382.74	2.75	24.11	62.0-63.0	3.87	1484.70	0.24	93.52
16.0-17.0	45.49	428.23	2.87	26.97	63.0-64.0	3.78	1488.48	0.24	93.76
17.0-18.0	47.18	475.41	2.97	29.95	64.0-65.0	3.69	1492.17	0.23	93.99
18.0-19.0	48.66	524.06	3.06	33.01	65.0-66.0	3.58	1495.75	0.23	94.22
19.0-20.0	49.90	573.96	3.14	36.15	66.0-67.0	3.46	1499.21	0.22	94.43
20.0-21.0	50.85	624.81	3.20	39.36	67.0-68.0	3.35	1502.56	0.21	94.64
21.0-22.0	51.47	676.28	3.24	42.60	68.0-69.0	3.23	1505.78	0.20	94.85
22.0-23.0	51.71	727.99	3.26	45.86	69.0-70.0	3.10	1508.88	0.20	95.04
23.0-24.0	51.54	779.52	3.25	49.10	70.0-71.0	2.98	1511.86	0.19	95.23
24.0-25.0	50.93	830.46	3.21	52.31	71.0-72.0	2.85	1514.71	0.18	95.41
25.0-26.0	49.81	880.27	3.14	55.45	72.0-73.0	2.72	1517.43	0.17	95.58
26.0-27.0	48.48	928.75	3.05	58.50	73.0-74.0	2.59	1520.02	0.16	95.74
27.0-28.0	46.98	975.73	2.96	61.46	74.0-75.0	2.46	1522.49	0.16	95.90
28.0-29.0	45.13	1020.86	2.84	64.30	75.0-76.0	2.33	1524.82	0.15	96.05
29.0-30.0	43.18	1064.03	2.72	67.02	76.0-77.0	2.21	1527.03	0.14	96.19
30.0-31.0	41.20	1105.23	2.59	69.62	77.0-78.0	2.08	1529.11	0.13	96.32
31.0-32.0	39.18	1144.41	2.47	72.09	78.0-79.0	1.96	1531.06	0.12	96.44
32.0-33.0	36.72	1181.13	2.31	74.40	79.0-80.0	1.83	1532.90	0.12	96.56
33.0-34.0	33.23	1214.36	2.09	76.49	80.0-81.0	1.71	1534.60	0.11	96.66
34.0-35.0	29.06	1243.42	1.83	78.32	81.0-82.0	1.59	1536.19	0.10	96.76
35.0-36.0	24.97	1268.39	1.57	79.89	82.0-83.0	1.47	1537.66	0.09	9

IES Indoor Report

Photometric Filename:TR04-20-XX-01 4000K RA90 60D.IES

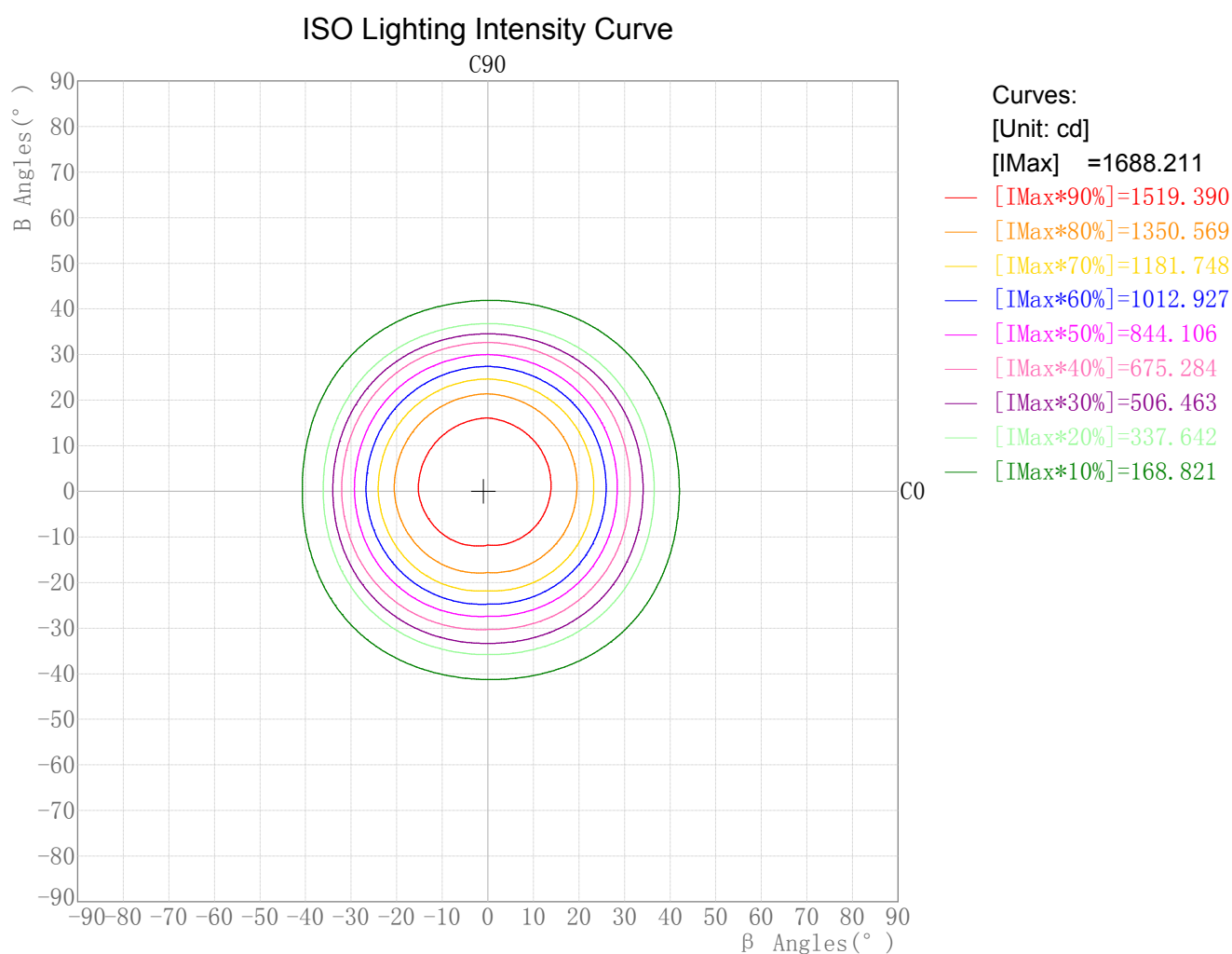
Zonal Flux Tabulation - (Cont.)

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. 66	1548. 38	0. 04	97. 53	141. 0-142. 0	0. 57	1573. 73	0. 04	99. 13
95. 0-96. 0	0. 65	1549. 02	0. 04	97. 57	142. 0-143. 0	0. 57	1574. 30	0. 04	99. 16
96. 0-97. 0	0. 63	1549. 66	0. 04	97. 61	143. 0-144. 0	0. 57	1574. 87	0. 04	99. 20
97. 0-98. 0	0. 62	1550. 28	0. 04	97. 65	144. 0-145. 0	0. 57	1575. 44	0. 04	99. 24
98. 0-99. 0	0. 61	1550. 88	0. 04	97. 69	145. 0-146. 0	0. 56	1576. 00	0. 04	99. 27
99. 0-100. 0	0. 60	1551. 48	0. 04	97. 73	146. 0-147. 0	0. 56	1576. 56	0. 04	99. 31
100. 0-101. 0	0. 58	1552. 06	0. 04	97. 76	147. 0-148. 0	0. 55	1577. 11	0. 03	99. 34
101. 0-102. 0	0. 57	1552. 64	0. 04	97. 80	148. 0-149. 0	0. 55	1577. 66	0. 03	99. 38
102. 0-103. 0	0. 56	1553. 20	0. 04	97. 83	149. 0-150. 0	0. 54	1578. 20	0. 03	99. 41
103. 0-104. 0	0. 55	1553. 75	0. 03	97. 87	150. 0-151. 0	0. 53	1578. 74	0. 03	99. 44
104. 0-105. 0	0. 54	1554. 30	0. 03	97. 90	151. 0-152. 0	0. 53	1579. 27	0. 03	99. 48
105. 0-106. 0	0. 54	1554. 83	0. 03	97. 94	152. 0-153. 0	0. 52	1579. 78	0. 03	99. 51
106. 0-107. 0	0. 53	1555. 36	0. 03	97. 97	153. 0-154. 0	0. 51	1580. 29	0. 03	99. 54
107. 0-108. 0	0. 52	1555. 88	0. 03	98. 00	154. 0-155. 0	0. 49	1580. 78	0. 03	99. 57
108. 0-109. 0	0. 51	1556. 39	0. 03	98. 04	155. 0-156. 0	0. 48	1581. 27	0. 03	99. 60
109. 0-110. 0	0. 51	1556. 90	0. 03	98. 07	156. 0-157. 0	0. 47	1581. 74	0. 03	99. 63
110. 0-111. 0	0. 50	1557. 41	0. 03	98. 10	157. 0-158. 0	0. 46	1582. 19	0. 03	99. 66
111. 0-112. 0	0. 50	1557. 91	0. 03	98. 13	158. 0-159. 0	0. 44	1582. 63	0. 03	99. 69
112. 0-113. 0	0. 50	1558. 40	0. 03	98. 16	159. 0-160. 0	0. 43	1583. 06	0. 03	99. 72
113. 0-114. 0	0. 50	1558. 90	0. 03	98. 19	160. 0-161. 0	0. 41	1583. 47	0. 03	99. 74
114. 0-115. 0	0. 49	1559. 39	0. 03	98. 22	161. 0-162. 0	0. 40	1583. 87	0. 02	99. 77
115. 0-116. 0	0. 49	1559. 89	0. 03	98. 26	162. 0-163. 0	0. 38	1584. 25	0. 02	99. 79
116. 0-117. 0	0. 49	1560. 38	0. 03	98. 29	163. 0-164. 0	0. 36	1584. 61	0. 02	99. 81
117. 0-118. 0	0. 49	1560. 87	0. 03	98. 32	164. 0-165. 0	0. 34	1584. 95	0. 02	99. 83
118. 0-119. 0	0. 49	1561. 37	0. 03	98. 35	165. 0-166. 0	0. 33	1585. 28	0. 02	99. 86
119. 0-120. 0	0. 50	1561. 86	0. 03	98. 38	166. 0-167. 0	0. 31	1585. 59	0. 02	99. 87
120. 0-121. 0	0. 50	1562. 36	0. 03	98. 41	167. 0-168. 0	0. 29	1585. 87	0. 02	99. 89
121. 0-122. 0	0. 50	1562. 86	0. 03	98. 44	168. 0-169. 0	0. 27	1586. 14	0. 02	99. 91
122. 0-123. 0	0. 51	1563. 37	0. 03	98. 48	169. 0-170. 0	0. 25	1586. 38	0. 02	99. 92
123. 0-124. 0	0. 51	1563. 88	0. 03	98. 51	170. 0-171. 0	0. 22	1586. 61	0. 01	99. 94
124. 0-125. 0	0. 51	1564. 39	0. 03	98. 54	171. 0-172. 0	0. 20	1586. 81	0. 01	99. 95
125. 0-126. 0	0. 52	1564. 91	0. 03	98. 57	172. 0-173. 0	0. 18	1586. 99	0. 01	99. 96
126. 0-127. 0	0. 52	1565. 43	0. 03	98. 60	173. 0-174. 0	0. 16	1587. 14	0. 01	99. 97
127. 0-128. 0	0. 53	1565. 96	0. 03	98. 64	174. 0-175. 0	0. 13	1587. 28	0. 01	99. 98
128. 0-129. 0	0. 53	1566. 49	0. 03	98. 67	175. 0-176. 0	0. 11	1587. 39	0. 01	99. 99
129. 0-130. 0	0. 54	1567. 02	0. 03	98. 71	176. 0-177. 0	0. 09	1587. 47	0. 01	99. 99
130. 0-131. 0	0. 54	1567. 56	0. 03	98. 74	177. 0-178. 0	0. 06	1587. 53	0. 00	100. 00
131. 0-132. 0	0. 54	1568. 11	0. 03	98. 77	178. 0-179. 0	0. 04	1587. 57	0. 00	100. 00
132. 0-133. 0	0. 55	1568. 66	0. 03	98. 81	179. 0-180. 0	0. 01	1587. 58	0. 00	100. 00
133. 0-134. 0	0. 55	1569. 21	0. 03	98. 84					
134. 0-135. 0	0. 56	1569. 77	0. 04	98. 88					
135. 0-136. 0	0. 56	1570. 33	0. 04	98. 91					
136. 0-137. 0	0. 56	1570. 89	0. 04	98. 95					
137. 0-138. 0	0. 57	1571. 46	0. 04	98. 98					
138. 0-139. 0	0. 57	1572. 03	0. 04	99. 02					
139. 0-140. 0	0. 57	1572. 59	0. 04	99. 06					
140. 0-141. 0	0. 57	1573. 16	0. 04	99. 09					

Photometric Filename:TR04-20-XX-01 4000K RA90 60D.IES

Rectangle ISO Lighting Intensity Diagram

Lum. Name: TR04-20-XX-01 4000K RA90 60D	Lum. Catalog:	Test ID: QIU MEI
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/09/06

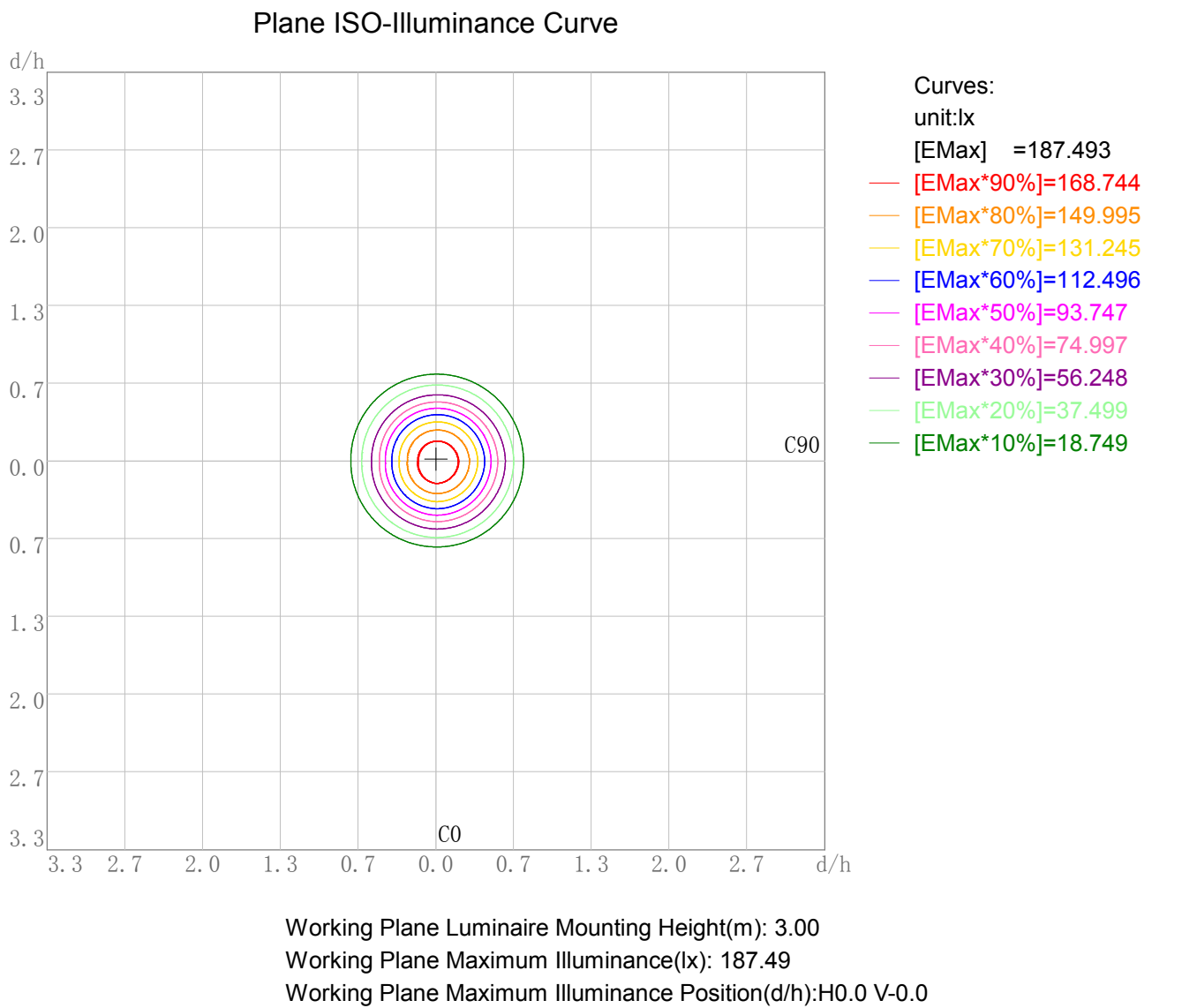


Maximum Light Intensity(cd): 1688.21

Maximum Cand.@Angle: H=-1.0°,V=0.0°

Plane ISO-Illuminance Diagram

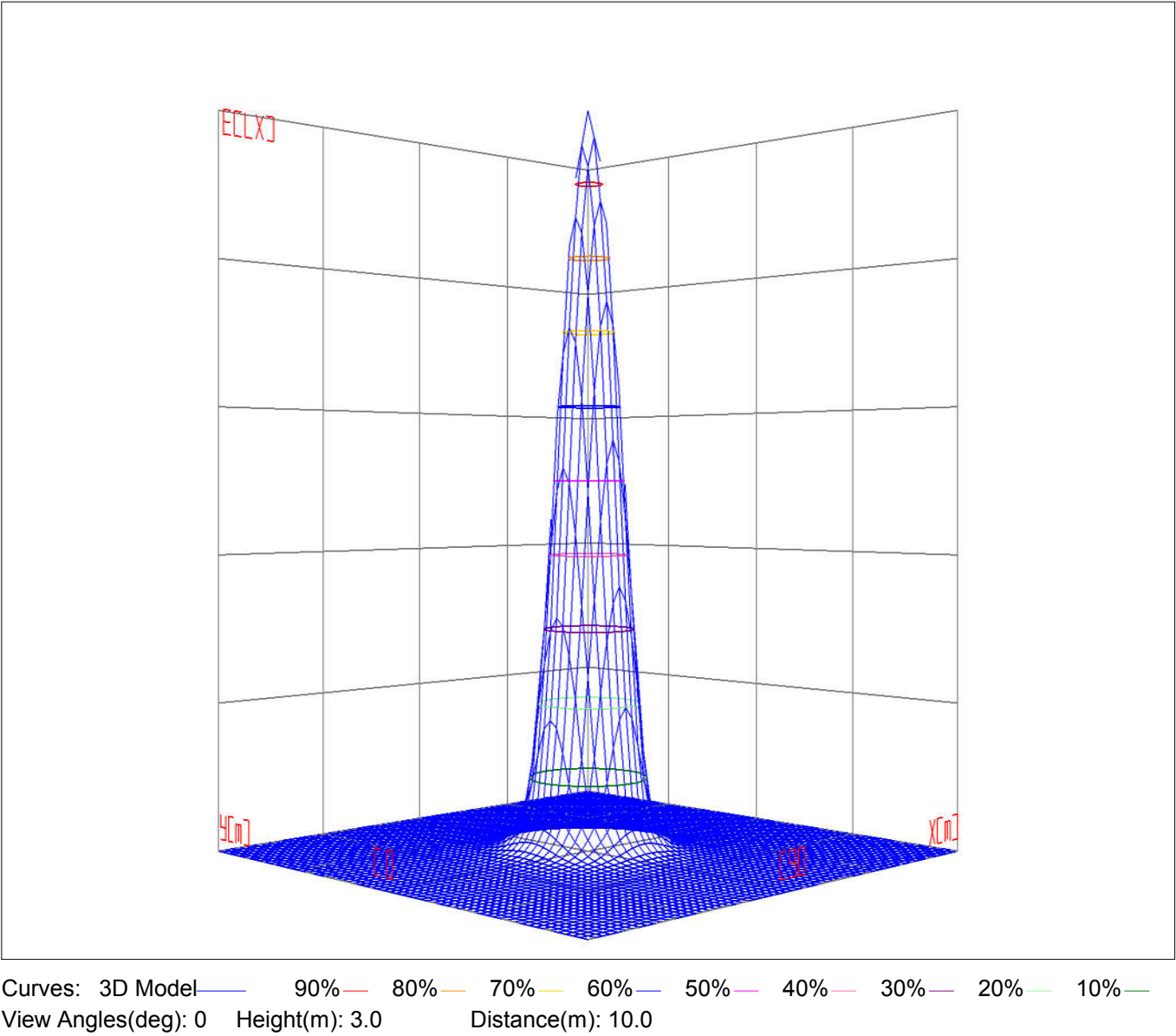
Lum. Name:TR04-20-XX-01 4000K RA90 60D	Lum. Catelog:	Test ID:QIU MEI
Lamp Name:	Lamp Catelog:LED	Test Lab:Quality Department
Manufacture:Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date:2019/09/06



3D Plane ISO Illuminance Diagram

Lum. Name:TR04-20-XX-01 4000K RA90 60D	Lum. Catelog:	Test ID:QIU MEI
Lamp Name:	Lamp Catelog:LED	Test Lab:Quality Department
Manufacture:Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date:2019/09/06

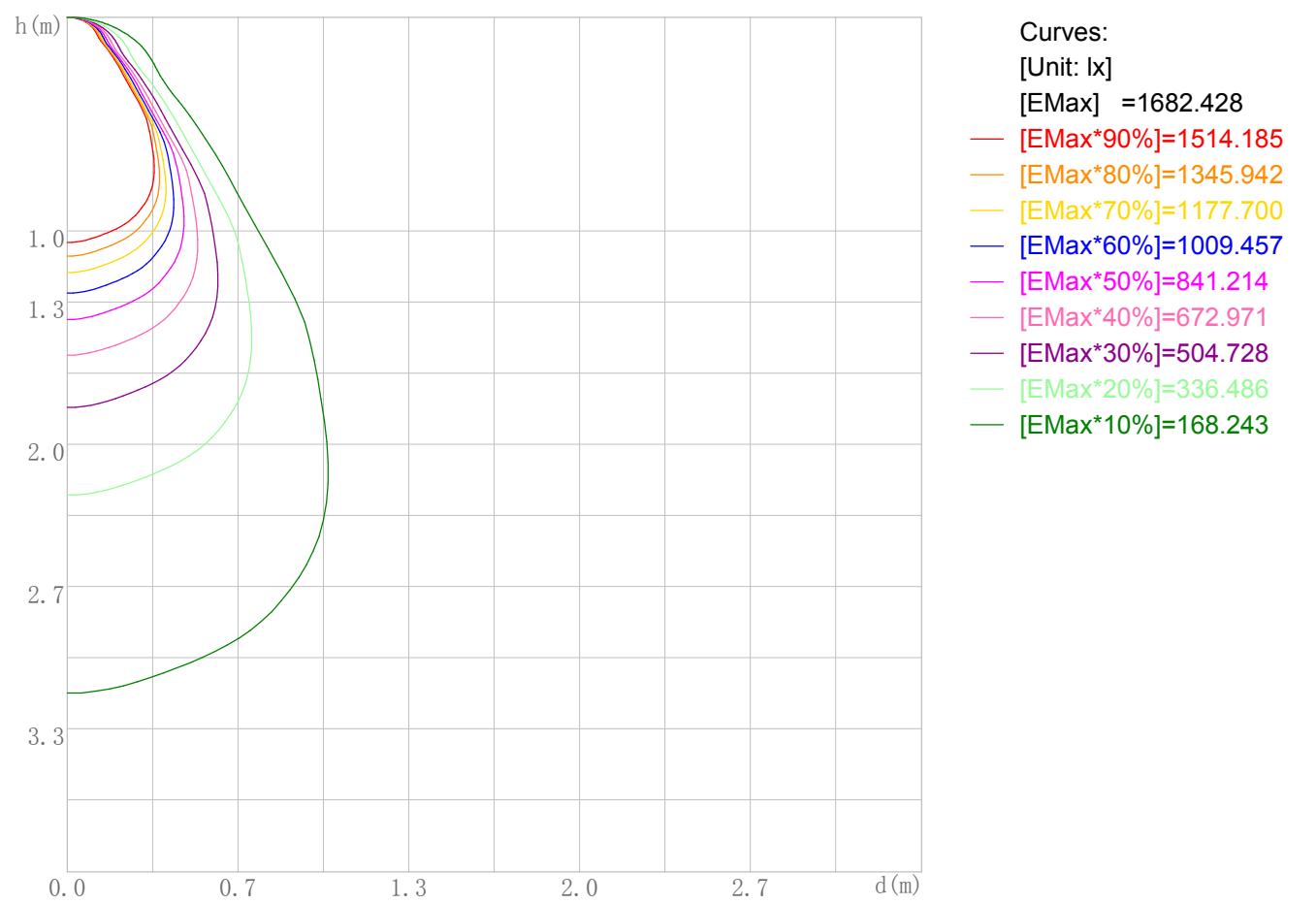
3D Plane Illuminance Modal



Space ISO Illuminance Diagram

Lum. Name:TR04-20-XX-01 4000K RA90 60D	Lum. Catelog:	Test ID:QIU MEI
Lamp Name:	Lamp Catelog:LED	Test Lab:Quality Department
Manufacture:Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date:2019/09/06

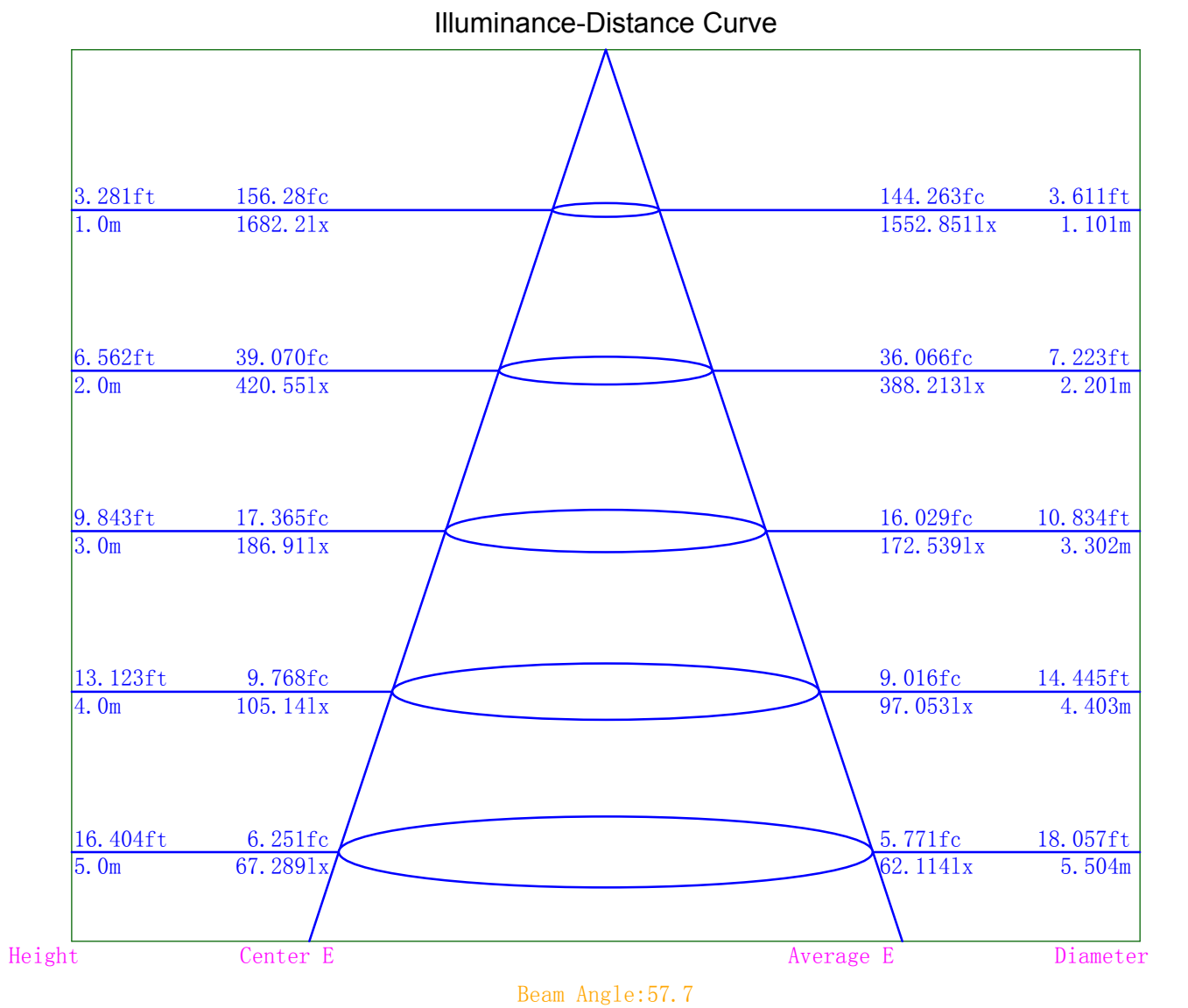
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:1682.43lx,1.0deg
Plane Maximum Lighting Intensity and @Angle:1683.197cd,0eg

Illuminance-Distance Diagram

Lum. Name:TR04-20-XX-01 4000K RA90 60D	Lum. Catelog:	Test ID:QIU MEI
Lamp Name:	Lamp Catelog:LED	Test Lab:Quality Department
Manufacture:Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date:2019/09/06



Indoor Luminance Limiting Curves

Lum. Name:TR04-20-XX-01 4000K RA90 60D	Lum. Catalog:	Test ID:QIU MEI
Lamp Name:	Lamp Catalog:LED	Test Lab:Quality Department
Manufacture:Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date:2019/09/06

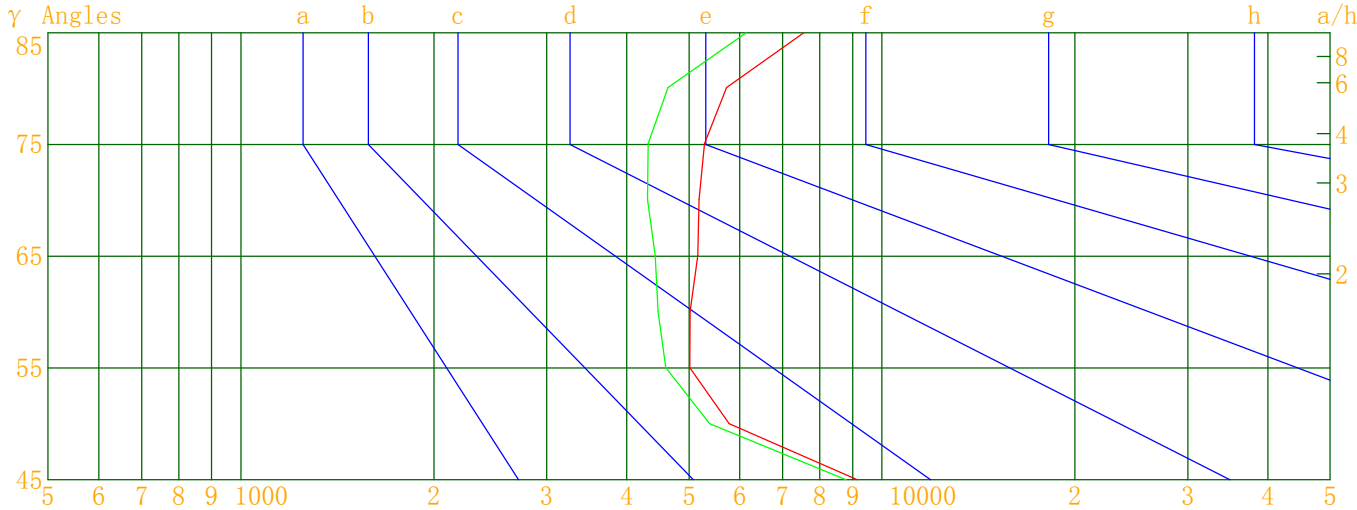
Glare Grade Table

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	9153	5779	5016	5019	5158	5183	5286	5721	7550
C90	8789	5385	4602	4474	4428	4310	4317	4637	6137

Luminance Limiting Curve



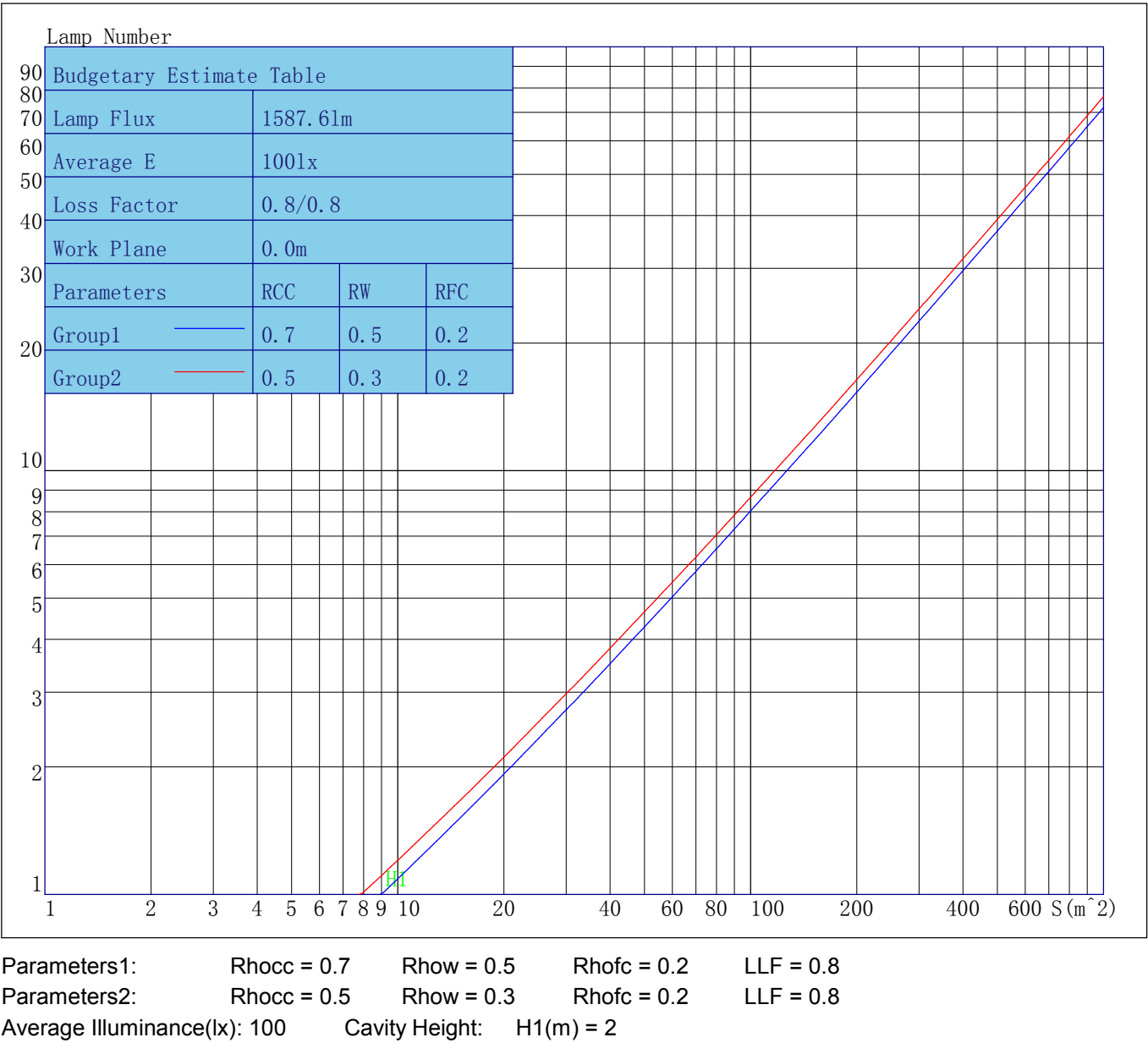
Luminous Size:Length(m)=0.060Width(m)=0.060Height(m)=0.250Area(m^2)=0.018600

Luminous Type:Without Luminous Side

Luminous Curves:C0-C180 Color:—C90-C270 Color:—

Indoor Budgetary Estimate Table

Lum. Name:TR04-20-XX-01 4000K RA90 60D	Lum. Catelog:	Test ID:QIU MEI
Lamp Name:	Lamp Catelog:LED	Test Lab:Quality Department
Manufacture:Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date:2019/09/06



Indoor Coefficient of Utilization Table

Lum. Name:TR04-20-XX-01 4000K RA90 60D	Lum. Catelog:	Test ID:QIU MEI
Lamp Name:	Lamp Catelog:LED	Test Lab:Quality Department
Manufacture:Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date:2019/09/06

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	118	118	118	118	115	115	115	115	110	110	110	104	104	104	100	100	100	97
1	112	109	106	103	109	106	104	102	102	100	98	98	96	95	94	93	91	89
2	106	100	96	92	103	98	94	91	95	91	88	91	89	86	88	86	84	82
3	100	93	88	83	98	91	86	82	88	84	81	85	82	79	83	80	78	76
4	95	86	81	76	93	85	80	75	83	78	74	80	76	73	78	75	72	70
5	90	81	74	70	88	80	74	69	77	72	69	75	71	68	74	70	67	65
6	85	76	69	65	83	75	69	64	73	68	64	71	67	63	69	66	62	61
7	81	71	65	60	79	70	64	60	69	63	59	67	62	59	66	62	58	57
8	77	67	60	56	75	66	60	56	65	59	56	63	59	55	62	58	55	53
9	73	63	57	53	72	62	56	52	61	56	52	60	55	52	59	55	52	50
10	70	59	53	50	68	59	53	49	58	53	49	57	52	49	56	52	49	47

Unified Glare Rating Table

Lum. Name: TR04-20-XX-01 4000K RA90 60D	Lum. Catalog:	Test ID: QIU MEI
Lamp Name:	Lamp Catalog: LED	Test Lab: Quality Department
Manufacture: Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date: 2019/09/06

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	16.3	17.3	16.7	17.7	18.1	16.5	17.5	16.9	17.8	18.2
	Y=3H	17.0	17.9	17.5	18.3	18.8	16.9	17.8	17.4	18.2	18.7
	Y=4H	17.5	18.3	17.9	18.7	19.2	17.2	18.1	17.7	18.5	18.9
	Y=6H	17.9	18.7	18.4	19.1	19.6	17.5	18.3	18.0	18.7	19.2
	Y=8H	18.1	18.8	18.6	19.3	19.8	17.7	18.4	18.1	18.8	19.3
	Y=12H	18.3	19.0	18.8	19.5	20.0	17.8	18.5	18.3	18.9	19.4
X=4H	Y=2H	16.4	17.3	16.9	17.7	18.1	16.5	17.3	16.9	17.7	18.2
	Y=3H	17.4	18.1	17.9	18.5	19.0	17.2	17.9	17.7	18.3	18.8
	Y=4H	18.0	18.6	18.5	19.1	19.6	17.6	18.2	18.1	18.7	19.2
	Y=6H	18.6	19.1	19.1	19.6	20.2	18.1	18.6	18.6	19.1	19.6
	Y=8H	18.9	19.4	19.4	19.9	20.4	18.3	18.8	18.8	19.3	19.8
	Y=12H	19.2	19.6	19.8	20.2	20.7	18.6	19.0	19.1	19.5	20.1
X=8H	Y=4H	18.1	18.6	18.7	19.1	19.7	17.8	18.3	18.3	18.8	19.3
	Y=6H	18.9	19.3	19.5	19.9	20.5	18.4	18.8	19.0	19.3	19.9
	Y=8H	19.4	19.7	19.9	20.3	20.8	18.7	19.1	19.3	19.7	20.2
	Y=12H	19.9	20.2	20.4	20.7	21.3	19.1	19.4	19.7	20.0	20.6
X=12H	Y=4H	18.2	18.6	18.7	19.1	19.7	17.8	18.2	18.3	18.7	19.3
	Y=6H	19.0	19.3	19.6	19.9	20.5	18.5	18.8	19.0	19.3	19.9
	Y=8H	19.5	19.8	20.1	20.3	21.0	18.9	19.2	19.4	19.7	20.4
Variations with the objerver position at spacings											
S=1.0H		0.2/-0.2					0.3/-0.3				
S=1.5H		0.5/-0.5					0.5/-0.5				
S=2.0H		0.5/-0.6					0.6/-0.7				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
Correction Value		2.4					2.0				

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

Photometric Filename:TR04-20-XX-01 4000K RA90 60D.IES

Candela Tabulation

V/H	C0. 0	C90. 0	C180. 0	C270. 0
γ 0. 0	1682. 21	1682. 21	1682. 21	1682. 21
γ 1. 0	1683. 20	1673. 20	1688. 21	1667. 07
γ 2. 0	1677. 01	1672. 59	1685. 58	1659. 97
γ 3. 0	1669. 01	1670. 14	1680. 57	1651. 59
γ 4. 0	1658. 96	1666. 95	1674. 94	1641. 92
γ 5. 0	1647. 00	1661. 53	1666. 54	1631. 56
γ 6. 0	1633. 63	1652. 18	1656. 91	1619. 81
γ 7. 0	1620. 08	1640. 45	1647. 37	1605. 30
γ 8. 0	1606. 84	1629. 90	1636. 98	1589. 42
γ 9. 0	1593. 93	1620. 50	1626. 43	1571. 77
γ 10. 0	1580. 78	1610. 47	1615. 14	1554. 51
γ 11. 0	1566. 57	1600. 15	1601. 91	1535. 44
γ 12. 0	1551. 96	1589. 38	1586. 83	1515. 19
γ 13. 0	1534. 79	1576. 71	1569. 07	1493. 33
γ 14. 0	1515. 39	1561. 28	1548. 57	1468. 63
γ 15. 0	1492. 42	1543. 03	1525. 79	1441. 92
γ 16. 0	1465. 67	1521. 91	1500. 31	1411. 53
γ 17. 0	1435. 21	1498. 05	1472. 26	1379. 04
γ 18. 0	1402. 82	1471. 39	1442. 04	1344. 20
γ 19. 0	1369. 02	1441. 34	1408. 61	1307. 53
γ 20. 0	1332. 77	1406. 77	1371. 81	1267. 28
γ 21. 0	1291. 50	1367. 65	1331. 96	1222. 43
γ 22. 0	1247. 31	1322. 85	1287. 91	1173. 11
γ 23. 0	1194. 70	1273. 07	1237. 46	1120. 81
γ 24. 0	1137. 56	1219. 77	1185. 29	1060. 65
γ 25. 0	1076. 15	1160. 05	1124. 01	996. 25
γ 26. 0	1008. 51	1098. 80	1060. 98	916. 10
γ 27. 0	939. 53	1038. 56	994. 52	869. 88
γ 28. 0	870. 31	974. 80	926. 54	807. 81
γ 29. 0	802. 14	909. 17	861. 07	748. 13
γ 30. 0	742. 29	843. 76	798. 03	691. 77
γ 31. 0	686. 04	782. 79	738. 32	638. 50
γ 32. 0	632. 79	724. 15	680. 59	587. 32
γ 33. 0	581. 01	649. 22	599. 77	530. 80
γ 34. 0	511. 61	554. 60	506. 65	457. 89
γ 35. 0	434. 75	469. 35	423. 05	385. 21
γ 36. 0	364. 65	389. 03	344. 81	325. 79
γ 37. 0	311. 17	323. 31	282. 89	278. 99
γ 38. 0	269. 55	274. 84	241. 14	244. 00
γ 39. 0	237. 61	239. 05	209. 06	217. 19
γ 40. 0	212. 54	211. 19	183. 74	194. 22
γ 41. 0	189. 89	187. 65	162. 58	174. 18
γ 42. 0	169. 44	166. 48	143. 00	155. 23
γ 43. 0	151. 18	148. 13	126. 05	138. 09
γ 44. 0	134. 71	131. 37	109. 94	122. 75
γ 45. 0	120. 38	115. 59	96. 17	109. 00
γ 46. 0	107. 68	101. 15	82. 51	96. 25

Photometric Filename:TR04-20-XX-01 4000K RA90 60D.IES

V/H	C0. 0	C90. 0	C180. 0	C270. 0
γ 47. 0	96. 28	87. 75	71. 58	84. 52
γ 48. 0	85. 81	77. 49	62. 32	74. 36
γ 49. 0	76. 06	69. 44	56. 77	65. 70
γ 50. 0	69. 09	64. 38	53. 17	60. 58
γ 51. 0	64. 25	59. 86	50. 41	56. 62
γ 52. 0	60. 77	56. 64	47. 97	53. 71
γ 53. 0	57. 67	53. 56	45. 99	51. 45
γ 54. 0	55. 60	51. 17	44. 35	49. 69
γ 55. 0	53. 52	49. 10	43. 06	48. 05
γ 56. 0	51. 86	47. 34	41. 83	46. 79
γ 57. 0	50. 42	45. 61	40. 79	45. 61
γ 58. 0	49. 10	44. 25	39. 96	44. 64
γ 59. 0	47. 88	42. 94	39. 06	43. 82
γ 60. 0	46. 68	41. 61	38. 20	42. 97
γ 61. 0	45. 49	40. 38	37. 37	42. 12
γ 62. 0	44. 33	39. 13	36. 46	41. 22
γ 63. 0	43. 17	37. 85	35. 47	40. 27
γ 64. 0	41. 93	36. 40	34. 25	39. 17
γ 65. 0	40. 54	34. 81	32. 96	37. 90
γ 66. 0	39. 03	33. 26	31. 70	36. 58
γ 67. 0	37. 53	31. 76	30. 40	35. 26
γ 68. 0	36. 02	30. 29	29. 10	33. 90
γ 69. 0	34. 50	28. 82	27. 82	32. 50
γ 70. 0	32. 97	27. 42	26. 52	31. 09
γ 71. 0	31. 44	26. 03	25. 24	29. 68
γ 72. 0	29. 92	24. 67	23. 97	28. 27
γ 73. 0	28. 40	23. 33	22. 70	26. 87
γ 74. 0	26. 91	22. 04	21. 46	25. 47
γ 75. 0	25. 45	20. 78	20. 25	24. 08
γ 76. 0	24. 00	19. 57	19. 08	22. 71
γ 77. 0	22. 57	18. 38	17. 92	21. 37
γ 78. 0	21. 18	17. 20	16. 79	20. 06
γ 79. 0	19. 81	16. 08	15. 67	18. 76
γ 80. 0	18. 48	14. 98	14. 59	17. 47
γ 81. 0	17. 17	13. 91	13. 54	16. 23
γ 82. 0	15. 89	12. 88	12. 53	15. 01
γ 83. 0	14. 63	11. 88	11. 54	13. 81
γ 84. 0	13. 40	10. 90	10. 59	12. 66
γ 85. 0	12. 24	9. 95	9. 66	11. 54
γ 86. 0	11. 11	9. 05	8. 77	10. 46
γ 87. 0	10. 02	8. 17	7. 90	9. 41
γ 88. 0	8. 96	7. 32	7. 08	8. 40
γ 89. 0	7. 94	6. 56	6. 55	7. 45
γ 90. 0	7. 10	6. 29	6. 41	6. 99
γ 91. 0	6. 87	6. 15	6. 26	6. 83
γ 92. 0	6. 70	6. 02	6. 13	6. 66
γ 93. 0	6. 55	5. 90	6. 00	6. 50

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	6.41	5.78	5.89	6.37
γ 95.0	6.26	5.66	5.77	6.24
γ 96.0	6.14	5.54	5.66	6.11
γ 97.0	6.00	5.45	5.57	6.00
γ 98.0	5.89	5.34	5.47	5.89
γ 99.0	5.76	5.26	5.39	5.79
γ 100.0	5.65	5.16	5.31	5.69
γ 101.0	5.55	5.08	5.24	5.61
γ 102.0	5.46	5.01	5.17	5.53
γ 103.0	5.37	4.94	5.11	5.45
γ 104.0	5.29	4.88	5.06	5.39
γ 105.0	5.22	4.81	5.02	5.33
γ 106.0	5.15	4.76	4.98	5.28
γ 107.0	5.08	4.71	4.94	5.24
γ 108.0	5.04	4.68	4.93	5.21
γ 109.0	4.99	4.65	4.91	5.18
γ 110.0	4.95	4.62	4.91	5.17
γ 111.0	4.93	4.60	4.91	5.18
γ 112.0	4.91	4.60	4.92	5.18
γ 113.0	4.91	4.60	4.94	5.20
γ 114.0	4.93	4.62	4.97	5.23
γ 115.0	4.94	4.64	5.01	5.25
γ 116.0	4.97	4.68	5.07	5.30
γ 117.0	5.00	4.71	5.11	5.36
γ 118.0	5.05	4.75	5.18	5.41
γ 119.0	5.11	4.82	5.24	5.48
γ 120.0	5.18	4.89	5.33	5.57
γ 121.0	5.25	4.96	5.41	5.65
γ 122.0	5.34	5.05	5.52	5.76
γ 123.0	5.43	5.13	5.62	5.85
γ 124.0	5.53	5.24	5.73	5.97
γ 125.0	5.64	5.34	5.85	6.09
γ 126.0	5.76	5.46	5.98	6.20
γ 127.0	5.89	5.58	6.12	6.35
γ 128.0	6.03	5.71	6.26	6.48
γ 129.0	6.16	5.85	6.41	6.62
γ 130.0	6.31	5.99	6.55	6.77
γ 131.0	6.45	6.14	6.71	6.92
γ 132.0	6.61	6.29	6.87	7.08
γ 133.0	6.78	6.44	7.05	7.25
γ 134.0	6.94	6.60	7.21	7.40
γ 135.0	7.11	6.76	7.39	7.56
γ 136.0	7.28	6.93	7.55	7.73
γ 137.0	7.45	7.11	7.73	7.90
γ 138.0	7.63	7.27	7.92	8.08
γ 139.0	7.80	7.44	8.11	8.25
γ 140.0	7.98	7.63	8.28	8.42

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	8.17	7.80	8.46	8.59
γ 142.0	8.35	7.99	8.65	8.77
γ 143.0	8.53	8.17	8.83	8.95
γ 144.0	8.71	8.35	9.01	9.12
γ 145.0	8.90	8.52	9.19	9.29
γ 146.0	9.07	8.70	9.36	9.45
γ 147.0	9.25	8.88	9.54	9.61
γ 148.0	9.43	9.06	9.72	9.77
γ 149.0	9.59	9.24	9.89	9.93
γ 150.0	9.75	9.40	10.05	10.08
γ 151.0	9.91	9.58	10.21	10.22
γ 152.0	10.06	9.73	10.37	10.35
γ 153.0	10.20	9.91	10.50	10.48
γ 154.0	10.34	10.07	10.65	10.60
γ 155.0	10.47	10.21	10.78	10.72
γ 156.0	10.60	10.36	10.92	10.85
γ 157.0	10.73	10.50	11.06	10.96
γ 158.0	10.86	10.65	11.18	11.08
γ 159.0	10.99	10.78	11.30	11.19
γ 160.0	11.11	10.92	11.42	11.30
γ 161.0	11.23	11.06	11.54	11.43
γ 162.0	11.36	11.19	11.67	11.53
γ 163.0	11.48	11.33	11.79	11.64
γ 164.0	11.60	11.44	11.90	11.74
γ 165.0	11.72	11.57	12.01	11.85
γ 166.0	11.83	11.69	12.13	11.96
γ 167.0	11.95	11.81	12.24	12.06
γ 168.0	12.06	11.93	12.34	12.15
γ 169.0	12.16	12.03	12.44	12.25
γ 170.0	12.27	12.15	12.53	12.32
γ 171.0	12.36	12.25	12.62	12.41
γ 172.0	12.45	12.34	12.69	12.48
γ 173.0	12.54	12.43	12.76	12.55
γ 174.0	12.60	12.52	12.84	12.62
γ 175.0	12.67	12.60	12.88	12.67
γ 176.0	12.73	12.67	12.92	12.72
γ 177.0	12.79	12.72	12.95	12.77
γ 178.0	12.83	12.78	12.97	12.80
γ 179.0	12.88	12.82	12.98	12.83
γ 180.0	12.90	12.90	12.90	12.90