

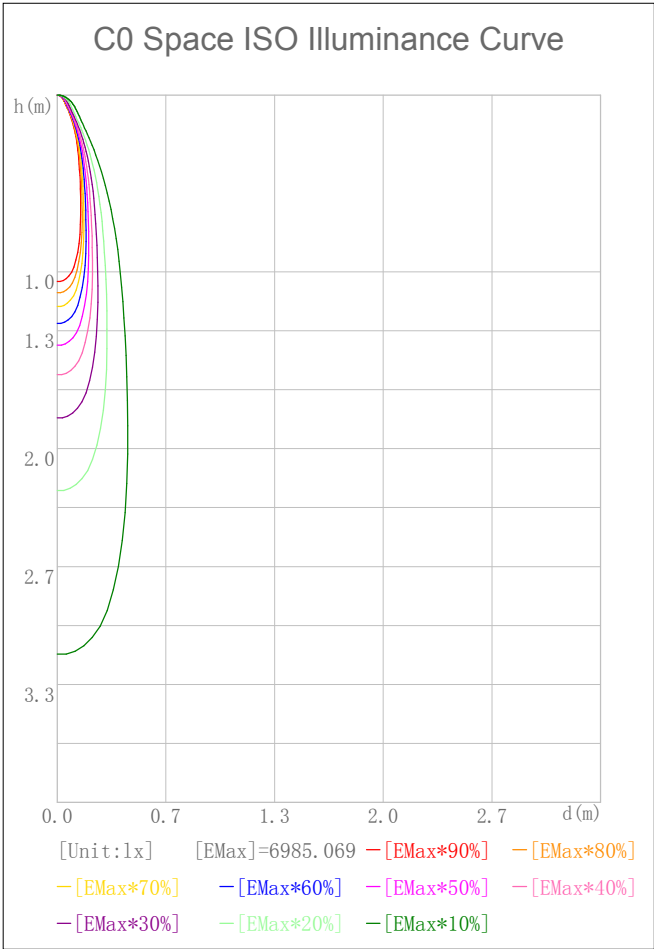
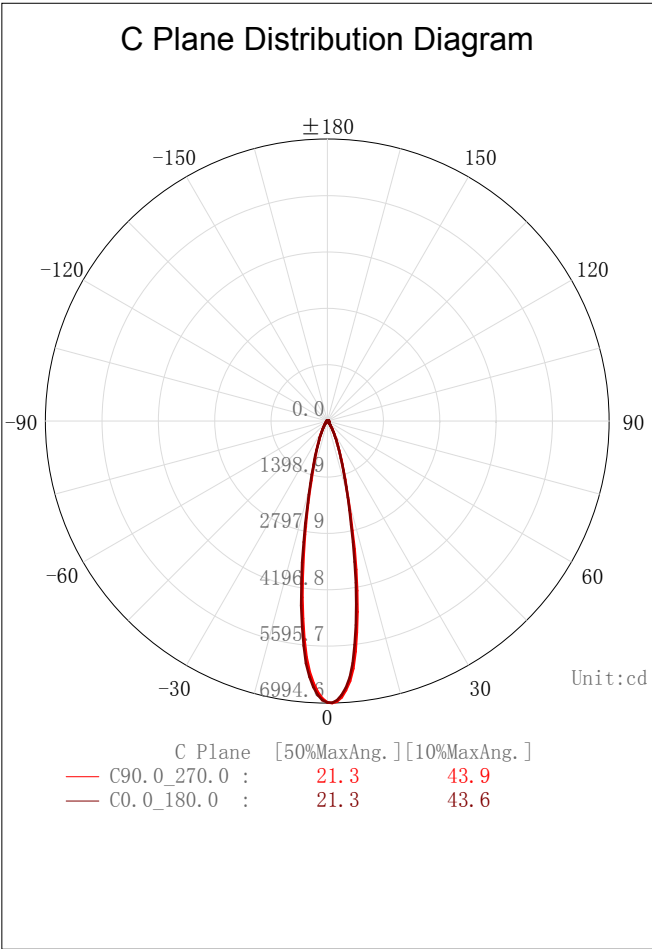
Indoor Luminaire Photometric Data

Description Information

Luminary Name: TR04-20-XX-01 2700K RA90 18D		Lum. Catalog:	Test ID: QIU MEI
Lamp Name:		Lamp Catalog: LED	Test Date: 2019/09/05
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

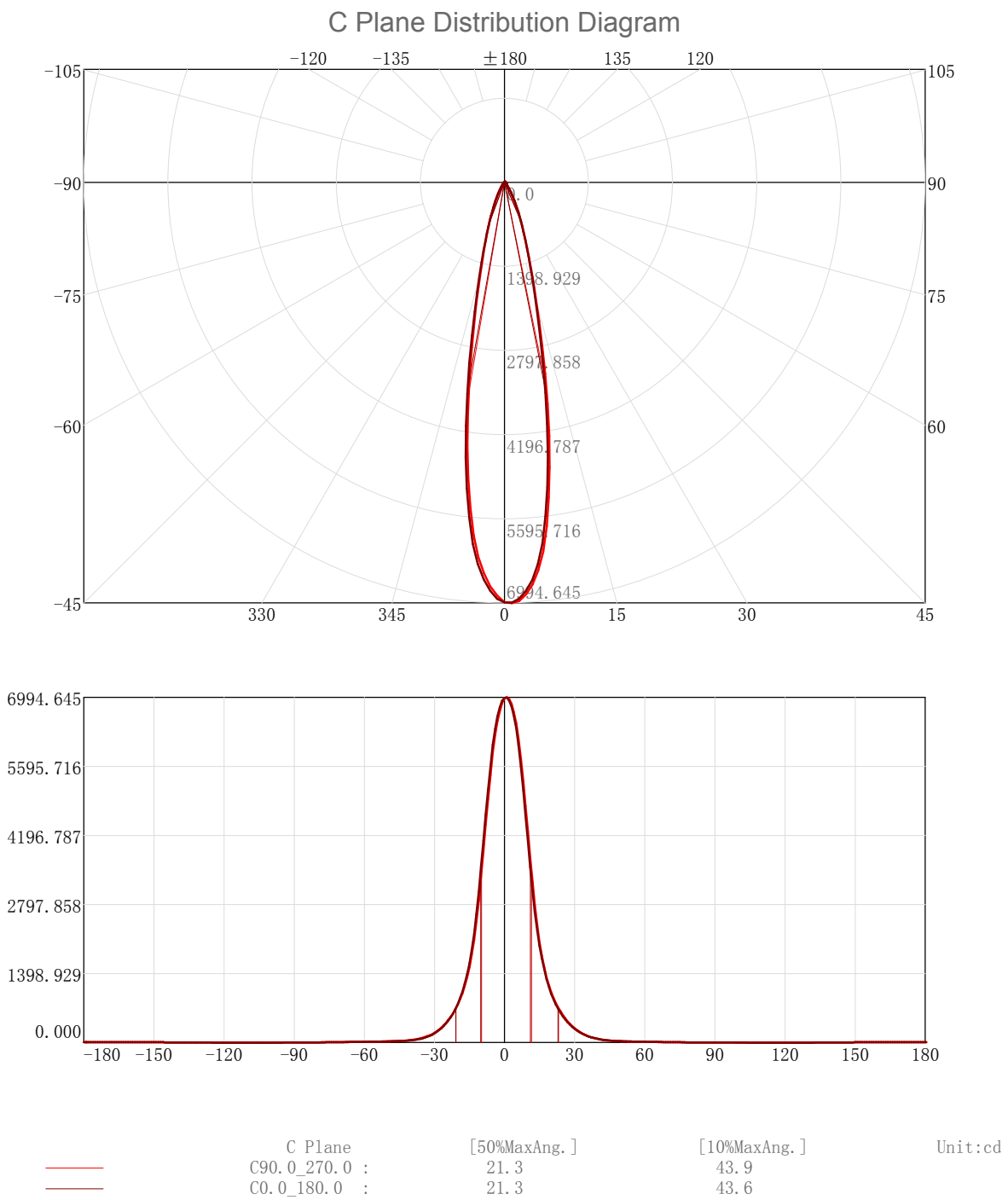
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm): 1443.910	Luminary Flux(lm): 1443.905	Field Angle(10%Imax): 43.9(°)	
Rated Power(W):	Luminary Efficiency: 100.00%	Down Lumens&Percent: 1417.244lm 98.15%	
Rated Voltage(V):	Luminary EER(lm/W): 75.835	Up Lumens&Percent: 26.661lm 1.85%	
Tested Power(W): 19.040	Max. Candela(cd): 6994.645	S/MH: C0_a180=0.364 C90_270=0.364	
Lamps' Inside: 1	Max Cand@Ang.(°): C=90.0 γ=1.0	CIE Type: Semi-Direct	
Tested Electrics(V, A, pf):239.9, 0.081, 0.975Beam Angle(50%Imax): 21.3(°)		ErP Φuse(90°): 1359.210lm	
Lamp Size(W*L*H):0.060m*0.060m*0.250m		IRF(%): 1015.303	



2D Plane Light Intensity Distribution Curve

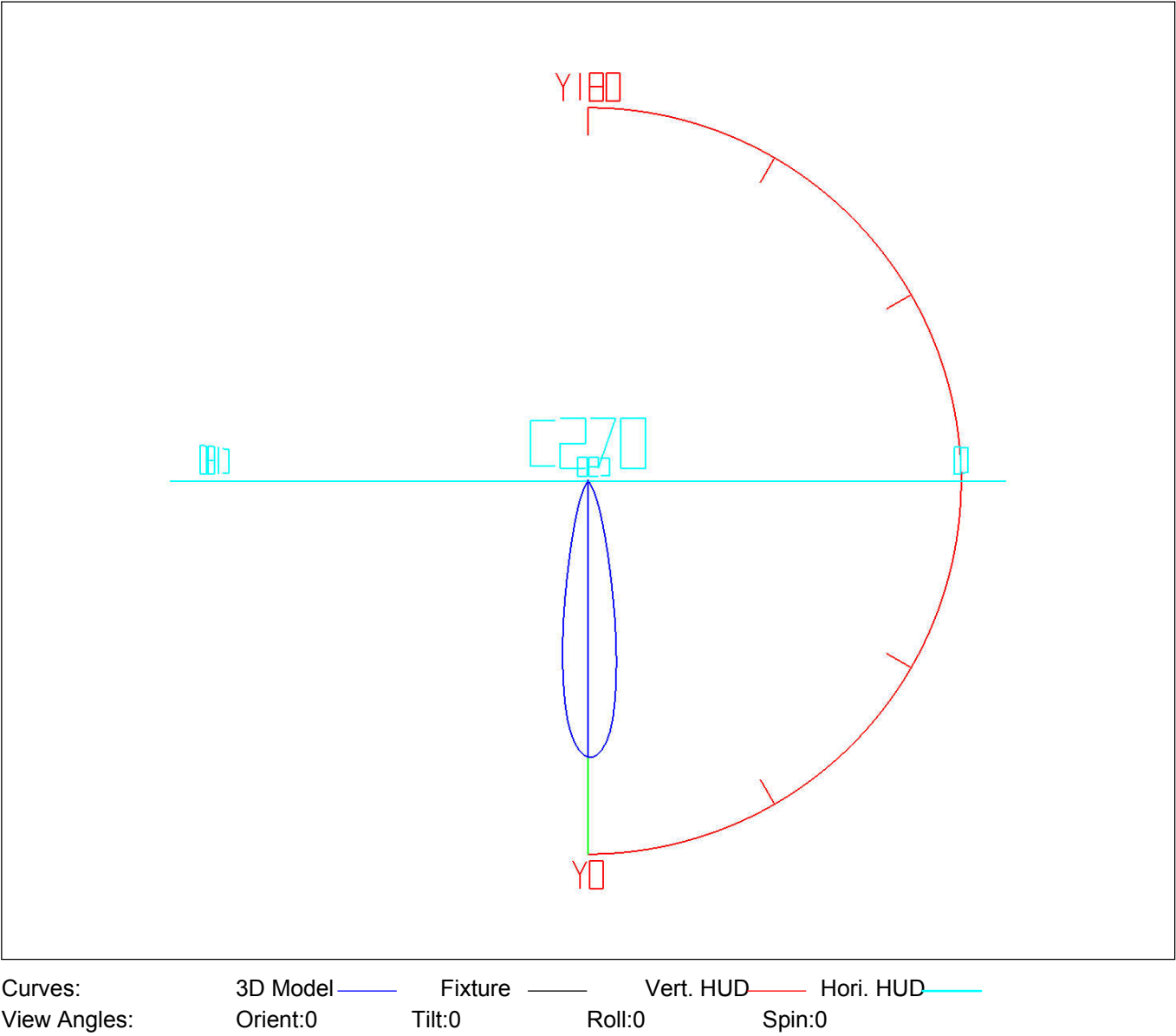
Lum. Name:TR04-20-XX-01 2700K RA90 18D	Lum. Catelog:	Test ID:QIU MEI
Lamp Name:	Lamp Catelog:LED	Test Lab:Quality Department
Manufacture:Shenzhen Norming Lighting Co., Ltd	Test Machine:GON-2000	Test Date:2019/09/05



3D Light Intensity Distribution Modal

Lum. Name:TR04-20-XX-01 2700K RA90 18D	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:2019/09/05

3D Light Intensity Distribution Modal



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	6. 66	6. 66	0. 46	0. 46	47. 0-48. 0	2. 67	1361. 18	0. 18	94. 27
1. 0-2. 0	19. 80	26. 47	1. 37	1. 83	48. 0-49. 0	2. 53	1363. 71	0. 18	94. 45
2. 0-3. 0	32. 40	58. 86	2. 24	4. 08	49. 0-50. 0	2. 41	1366. 11	0. 17	94. 61
3. 0-4. 0	44. 10	102. 96	3. 05	7. 13	50. 0-51. 0	2. 32	1368. 43	0. 16	94. 77
4. 0-5. 0	54. 51	157. 48	3. 78	10. 91	51. 0-52. 0	2. 24	1370. 67	0. 16	94. 93
5. 0-6. 0	63. 08	220. 55	4. 37	15. 27	52. 0-53. 0	2. 18	1372. 85	0. 15	95. 08
6. 0-7. 0	69. 30	289. 86	4. 80	20. 07	53. 0-54. 0	2. 12	1374. 97	0. 15	95. 23
7. 0-8. 0	73. 10	362. 96	5. 06	25. 14	54. 0-55. 0	2. 06	1377. 03	0. 14	95. 37
8. 0-9. 0	74. 60	437. 56	5. 17	30. 30	55. 0-56. 0	2. 01	1379. 04	0. 14	95. 51
9. 0-10. 0	73. 90	511. 46	5. 12	35. 42	56. 0-57. 0	1. 96	1381. 00	0. 14	95. 64
10. 0-11. 0	71. 29	582. 75	4. 94	40. 36	57. 0-58. 0	1. 92	1382. 92	0. 13	95. 78
11. 0-12. 0	67. 30	650. 05	4. 66	45. 02	58. 0-59. 0	1. 87	1384. 79	0. 13	95. 91
12. 0-13. 0	62. 59	712. 64	4. 34	49. 35	59. 0-60. 0	1. 82	1386. 61	0. 13	96. 03
13. 0-14. 0	57. 76	770. 40	4. 00	53. 35	60. 0-61. 0	1. 77	1388. 38	0. 12	96. 15
14. 0-15. 0	53. 10	823. 50	3. 68	57. 03	61. 0-62. 0	1. 72	1390. 10	0. 12	96. 27
15. 0-16. 0	48. 76	872. 26	3. 38	60. 41	62. 0-63. 0	1. 66	1391. 76	0. 12	96. 39
16. 0-17. 0	44. 77	917. 03	3. 10	63. 51	63. 0-64. 0	1. 61	1393. 37	0. 11	96. 50
17. 0-18. 0	41. 13	958. 16	2. 85	66. 36	64. 0-65. 0	1. 55	1394. 92	0. 11	96. 61
18. 0-19. 0	37. 88	996. 04	2. 62	68. 98	65. 0-66. 0	1. 49	1396. 41	0. 10	96. 71
19. 0-20. 0	34. 93	1030. 96	2. 42	71. 40	66. 0-67. 0	1. 43	1397. 83	0. 10	96. 81
20. 0-21. 0	32. 19	1063. 15	2. 23	73. 63	67. 0-68. 0	1. 37	1399. 20	0. 09	96. 90
21. 0-22. 0	29. 66	1092. 81	2. 05	75. 68	68. 0-69. 0	1. 31	1400. 51	0. 09	96. 99
22. 0-23. 0	27. 29	1120. 10	1. 89	77. 57	69. 0-70. 0	1. 26	1401. 76	0. 09	97. 08
23. 0-24. 0	25. 03	1145. 13	1. 73	79. 31	70. 0-71. 0	1. 20	1402. 96	0. 08	97. 16
24. 0-25. 0	22. 88	1168. 01	1. 58	80. 89	71. 0-72. 0	1. 15	1404. 11	0. 08	97. 24
25. 0-26. 0	20. 84	1188. 85	1. 44	82. 34	72. 0-73. 0	1. 10	1405. 21	0. 08	97. 32
26. 0-27. 0	18. 91	1207. 76	1. 31	83. 65	73. 0-74. 0	1. 05	1406. 25	0. 07	97. 39
27. 0-28. 0	17. 14	1224. 90	1. 19	84. 83	74. 0-75. 0	1. 00	1407. 25	0. 07	97. 46
28. 0-29. 0	15. 50	1240. 40	1. 07	85. 91	75. 0-76. 0	0. 95	1408. 20	0. 07	97. 53
29. 0-30. 0	13. 96	1254. 36	0. 97	86. 87	76. 0-77. 0	0. 91	1409. 11	0. 06	97. 59
30. 0-31. 0	12. 55	1266. 91	0. 87	87. 74	77. 0-78. 0	0. 86	1409. 97	0. 06	97. 65
31. 0-32. 0	11. 26	1278. 16	0. 78	88. 52	78. 0-79. 0	0. 82	1410. 79	0. 06	97. 71
32. 0-33. 0	10. 08	1288. 25	0. 70	89. 22	79. 0-80. 0	0. 78	1411. 57	0. 05	97. 76
33. 0-34. 0	9. 01	1297. 25	0. 62	89. 84	80. 0-81. 0	0. 74	1412. 31	0. 05	97. 81
34. 0-35. 0	8. 04	1305. 30	0. 56	90. 40	81. 0-82. 0	0. 70	1413. 00	0. 05	97. 86
35. 0-36. 0	7. 19	1312. 49	0. 50	90. 90	82. 0-83. 0	0. 66	1413. 66	0. 05	97. 90
36. 0-37. 0	6. 44	1318. 93	0. 45	91. 34	83. 0-84. 0	0. 62	1414. 28	0. 04	97. 95
37. 0-38. 0	5. 80	1324. 73	0. 40	91. 75	84. 0-85. 0	0. 58	1414. 86	0. 04	97. 99
38. 0-39. 0	5. 23	1329. 96	0. 36	92. 11	85. 0-86. 0	0. 54	1415. 40	0. 04	98. 03
39. 0-40. 0	4. 73	1334. 69	0. 33	92. 44	86. 0-87. 0	0. 51	1415. 91	0. 04	98. 06
40. 0-41. 0	4. 28	1338. 97	0. 30	92. 73	87. 0-88. 0	0. 48	1416. 39	0. 03	98. 09
41. 0-42. 0	3. 88	1342. 85	0. 27	93. 00	88. 0-89. 0	0. 44	1416. 83	0. 03	98. 12
42. 0-43. 0	3. 55	1346. 40	0. 25	93. 25	89. 0-90. 0	0. 41	1417. 24	0. 03	98. 15
43. 0-44. 0	3. 29	1349. 69	0. 23	93. 47	90. 0-91. 0	0. 40	1417. 64	0. 03	98. 18
44. 0-45. 0	3. 09	1352. 78	0. 21	93. 69	91. 0-92. 0	0. 38	1418. 02	0. 03	98. 21
45. 0-46. 0	2. 93	1355. 71	0. 20	93. 89	92. 0-93. 0	0. 37	1418. 39	0. 03	98. 23
46. 0-47. 0	2. 80	1358. 51	0. 19	94. 09	93. 0-94. 0	0. 36	1418. 75	0. 02	98. 26

IES Indoor Report

Photometric Filename:TR04-20-XX-01 2700K RA90 18D.IES

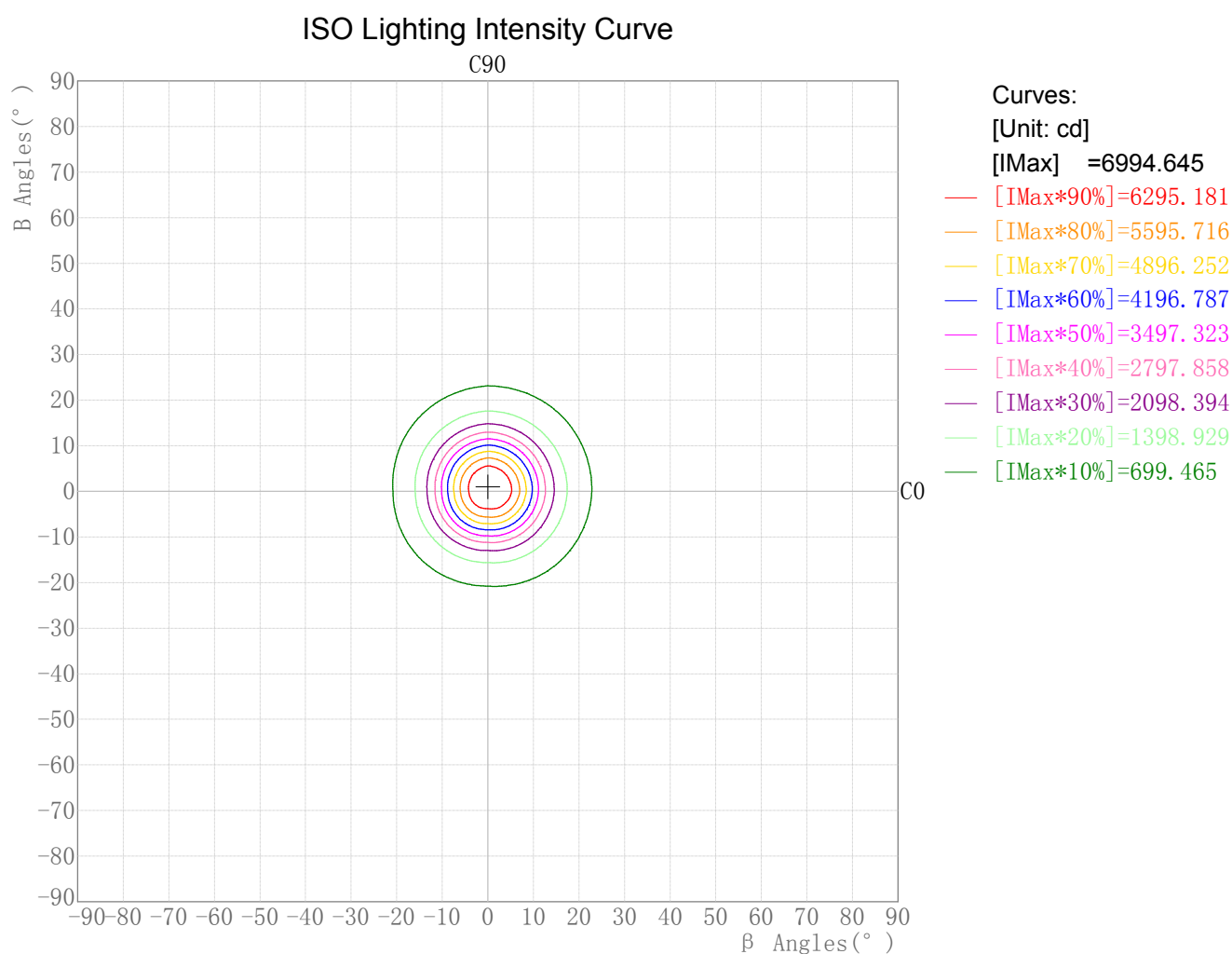
Zonal Flux Tabulation - (Cont.)

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. 35	1419. 09	0. 02	98. 28	141. 0-142. 0	0. 42	1431. 56	0. 03	99. 14
95. 0-96. 0	0. 34	1419. 43	0. 02	98. 30	142. 0-143. 0	0. 43	1431. 99	0. 03	99. 17
96. 0-97. 0	0. 32	1419. 75	0. 02	98. 33	143. 0-144. 0	0. 45	1432. 43	0. 03	99. 21
97. 0-98. 0	0. 31	1420. 07	0. 02	98. 35	144. 0-145. 0	0. 46	1432. 89	0. 03	99. 24
98. 0-99. 0	0. 30	1420. 37	0. 02	98. 37	145. 0-146. 0	0. 47	1433. 36	0. 03	99. 27
99. 0-100. 0	0. 29	1420. 67	0. 02	98. 39	146. 0-147. 0	0. 48	1433. 84	0. 03	99. 30
100. 0-101. 0	0. 28	1420. 95	0. 02	98. 41	147. 0-148. 0	0. 49	1434. 33	0. 03	99. 34
101. 0-102. 0	0. 28	1421. 23	0. 02	98. 43	148. 0-149. 0	0. 49	1434. 82	0. 03	99. 37
102. 0-103. 0	0. 27	1421. 50	0. 02	98. 45	149. 0-150. 0	0. 49	1435. 31	0. 03	99. 40
103. 0-104. 0	0. 26	1421. 76	0. 02	98. 47	150. 0-151. 0	0. 49	1435. 80	0. 03	99. 44
104. 0-105. 0	0. 26	1422. 02	0. 02	98. 48	151. 0-152. 0	0. 49	1436. 29	0. 03	99. 47
105. 0-106. 0	0. 26	1422. 28	0. 02	98. 50	152. 0-153. 0	0. 48	1436. 77	0. 03	99. 51
106. 0-107. 0	0. 25	1422. 53	0. 02	98. 52	153. 0-154. 0	0. 48	1437. 25	0. 03	99. 54
107. 0-108. 0	0. 24	1422. 77	0. 02	98. 54	154. 0-155. 0	0. 47	1437. 72	0. 03	99. 57
108. 0-109. 0	0. 24	1423. 01	0. 02	98. 55	155. 0-156. 0	0. 46	1438. 17	0. 03	99. 60
109. 0-110. 0	0. 24	1423. 25	0. 02	98. 57	156. 0-157. 0	0. 44	1438. 62	0. 03	99. 63
110. 0-111. 0	0. 23	1423. 49	0. 02	98. 59	157. 0-158. 0	0. 43	1439. 05	0. 03	99. 66
111. 0-112. 0	0. 23	1423. 72	0. 02	98. 60	158. 0-159. 0	0. 42	1439. 46	0. 03	99. 69
112. 0-113. 0	0. 22	1423. 94	0. 02	98. 62	159. 0-160. 0	0. 40	1439. 87	0. 03	99. 72
113. 0-114. 0	0. 22	1424. 16	0. 02	98. 63	160. 0-161. 0	0. 39	1440. 25	0. 03	99. 75
114. 0-115. 0	0. 22	1424. 38	0. 02	98. 65	161. 0-162. 0	0. 37	1440. 62	0. 03	99. 77
115. 0-116. 0	0. 22	1424. 59	0. 01	98. 66	162. 0-163. 0	0. 35	1440. 97	0. 02	99. 80
116. 0-117. 0	0. 21	1424. 81	0. 01	98. 68	163. 0-164. 0	0. 33	1441. 31	0. 02	99. 82
117. 0-118. 0	0. 21	1425. 02	0. 01	98. 69	164. 0-165. 0	0. 31	1441. 62	0. 02	99. 84
118. 0-119. 0	0. 20	1425. 22	0. 01	98. 71	165. 0-166. 0	0. 30	1441. 92	0. 02	99. 86
119. 0-120. 0	0. 20	1425. 43	0. 01	98. 72	166. 0-167. 0	0. 28	1442. 19	0. 02	99. 88
120. 0-121. 0	0. 20	1425. 63	0. 01	98. 73	167. 0-168. 0	0. 26	1442. 45	0. 02	99. 90
121. 0-122. 0	0. 20	1425. 83	0. 01	98. 75	168. 0-169. 0	0. 23	1442. 69	0. 02	99. 92
122. 0-123. 0	0. 20	1426. 04	0. 01	98. 76	169. 0-170. 0	0. 21	1442. 90	0. 01	99. 93
123. 0-124. 0	0. 21	1426. 24	0. 01	98. 78	170. 0-171. 0	0. 19	1443. 09	0. 01	99. 94
124. 0-125. 0	0. 21	1426. 45	0. 01	98. 79	171. 0-172. 0	0. 17	1443. 27	0. 01	99. 96
125. 0-126. 0	0. 22	1426. 67	0. 01	98. 81	172. 0-173. 0	0. 15	1443. 42	0. 01	99. 97
126. 0-127. 0	0. 22	1426. 89	0. 02	98. 82	173. 0-174. 0	0. 13	1443. 55	0. 01	99. 97
127. 0-128. 0	0. 23	1427. 12	0. 02	98. 84	174. 0-175. 0	0. 11	1443. 66	0. 01	99. 98
128. 0-129. 0	0. 23	1427. 35	0. 02	98. 85	175. 0-176. 0	0. 09	1443. 75	0. 01	99. 99
129. 0-130. 0	0. 24	1427. 59	0. 02	98. 87	176. 0-177. 0	0. 07	1443. 82	0. 00	99. 99
130. 0-131. 0	0. 25	1427. 85	0. 02	98. 89	177. 0-178. 0	0. 05	1443. 87	0. 00	100. 00
131. 0-132. 0	0. 26	1428. 11	0. 02	98. 91	178. 0-179. 0	0. 03	1443. 90	0. 00	100. 00
132. 0-133. 0	0. 27	1428. 38	0. 02	98. 92	179. 0-180. 0	0. 01	1443. 91	0. 00	100. 00
133. 0-134. 0	0. 29	1428. 67	0. 02	98. 94					
134. 0-135. 0	0. 30	1428. 97	0. 02	98. 97					
135. 0-136. 0	0. 32	1429. 29	0. 02	98. 99					
136. 0-137. 0	0. 33	1429. 63	0. 02	99. 01					
137. 0-138. 0	0. 35	1429. 98	0. 02	99. 04					
138. 0-139. 0	0. 37	1430. 35	0. 03	99. 06					
139. 0-140. 0	0. 39	1430. 73	0. 03	99. 09					
140. 0-141. 0	0. 40	1431. 14	0. 03	99. 12					

Photometric Filename:TR04-20-XX-01 2700K RA90 18D.IES

## Rectangle ISO Lighting Intensity Diagram

Lum. Name: TR04-20-XX-01 2700K RA90 18D	Lum. Catelog:	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: 2019/09/05

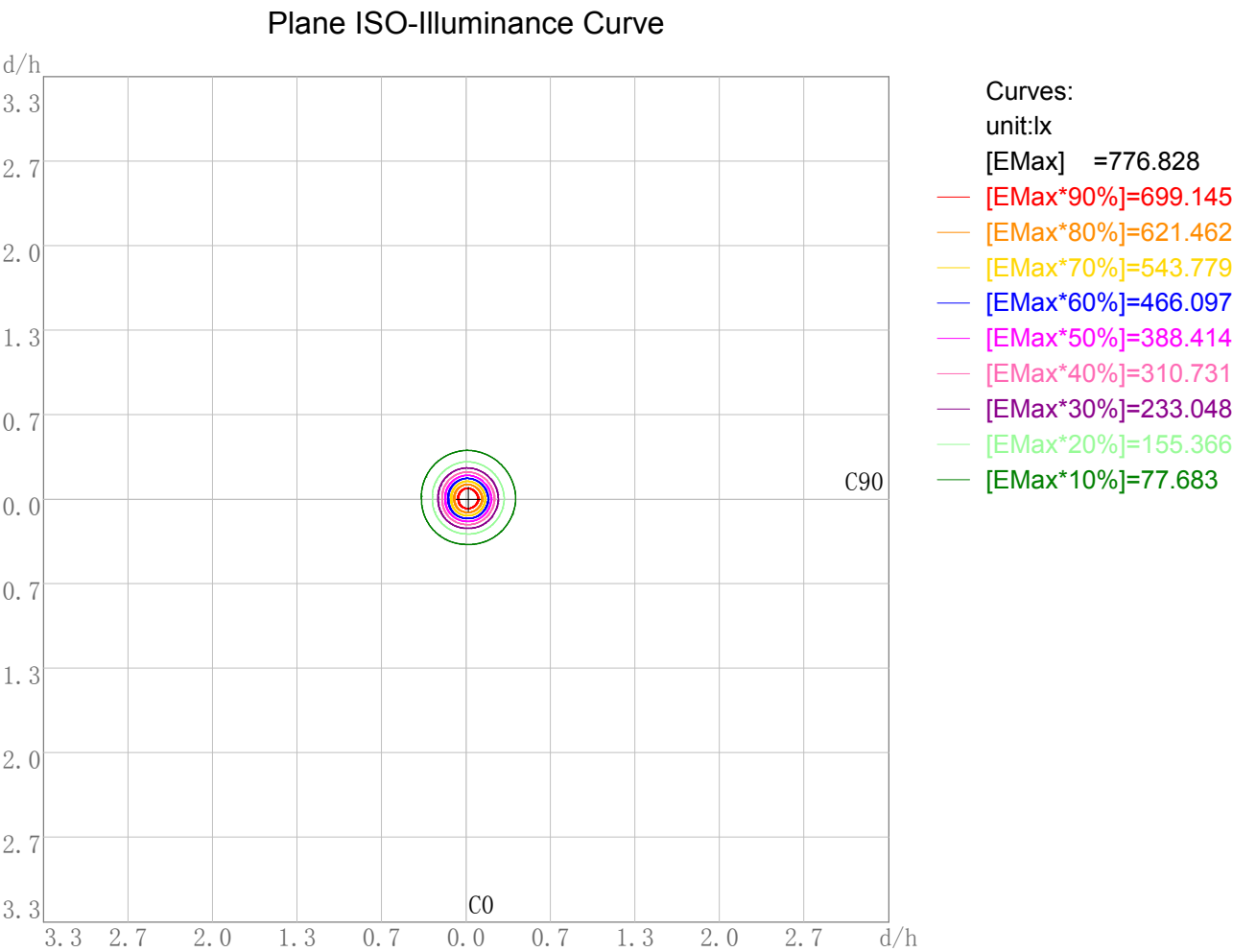


Maximum Light Intensity(cd): 6994.65

Maximum Cand.@Angle: H=0.0°,V=1.0°

Plane ISO-Illuminance Diagram

Lum. Name:TR04-20-XX-01 2700K RA90 18D	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:2019/09/05



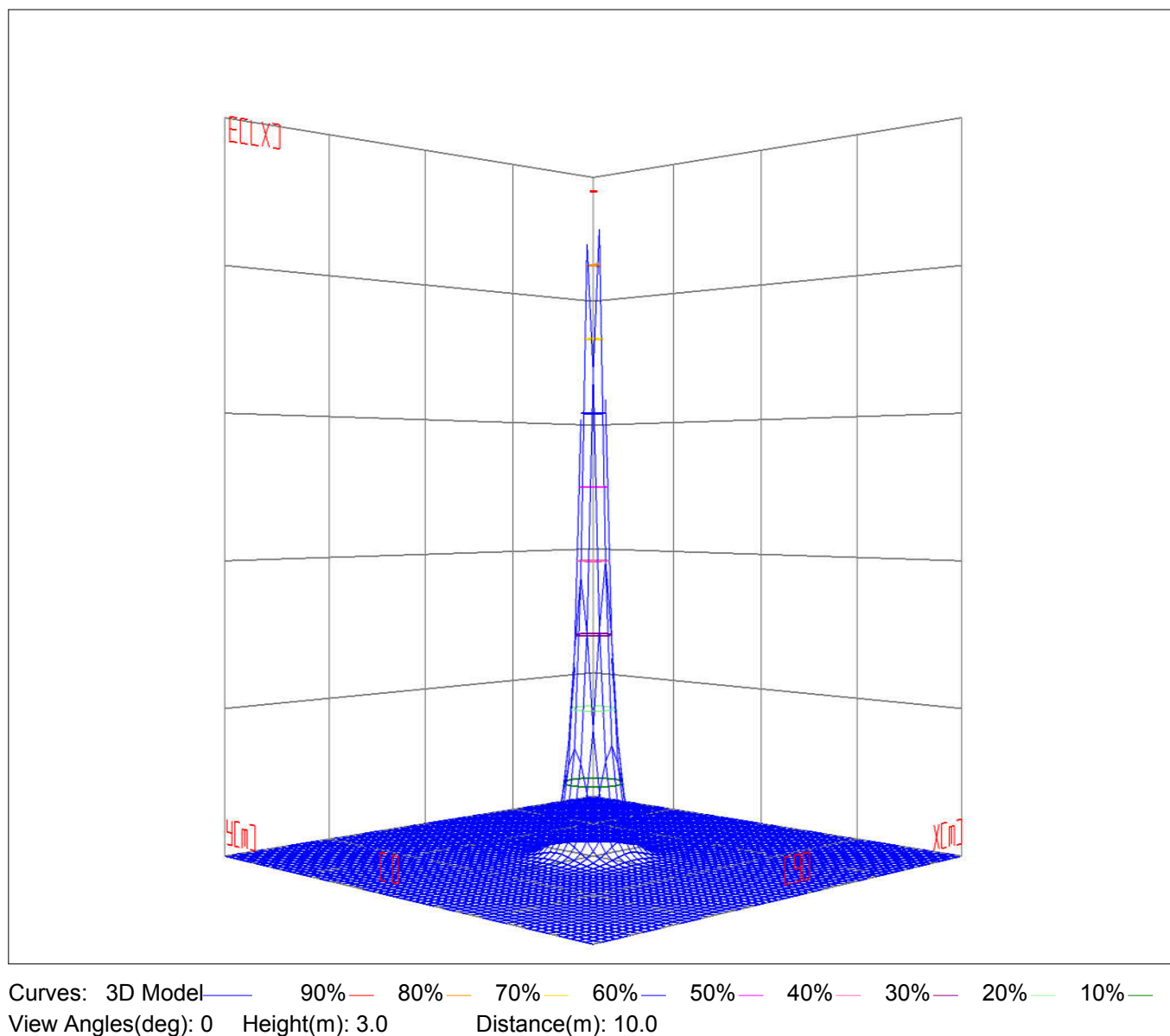
Working Plane Luminaire Mounting Height(m): 3.00  
Working Plane Maximum Illuminance(lx): 776.83  
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

Photometric Filename:TR04-20-XX-01 2700K RA90 18D.IES

### 3D Plane ISO Illuminance Diagram

Lum. Name: TR04-20-XX-01 2700K RA90 18D	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: 2019/09/05

### 3D Plane Illuminance Modal

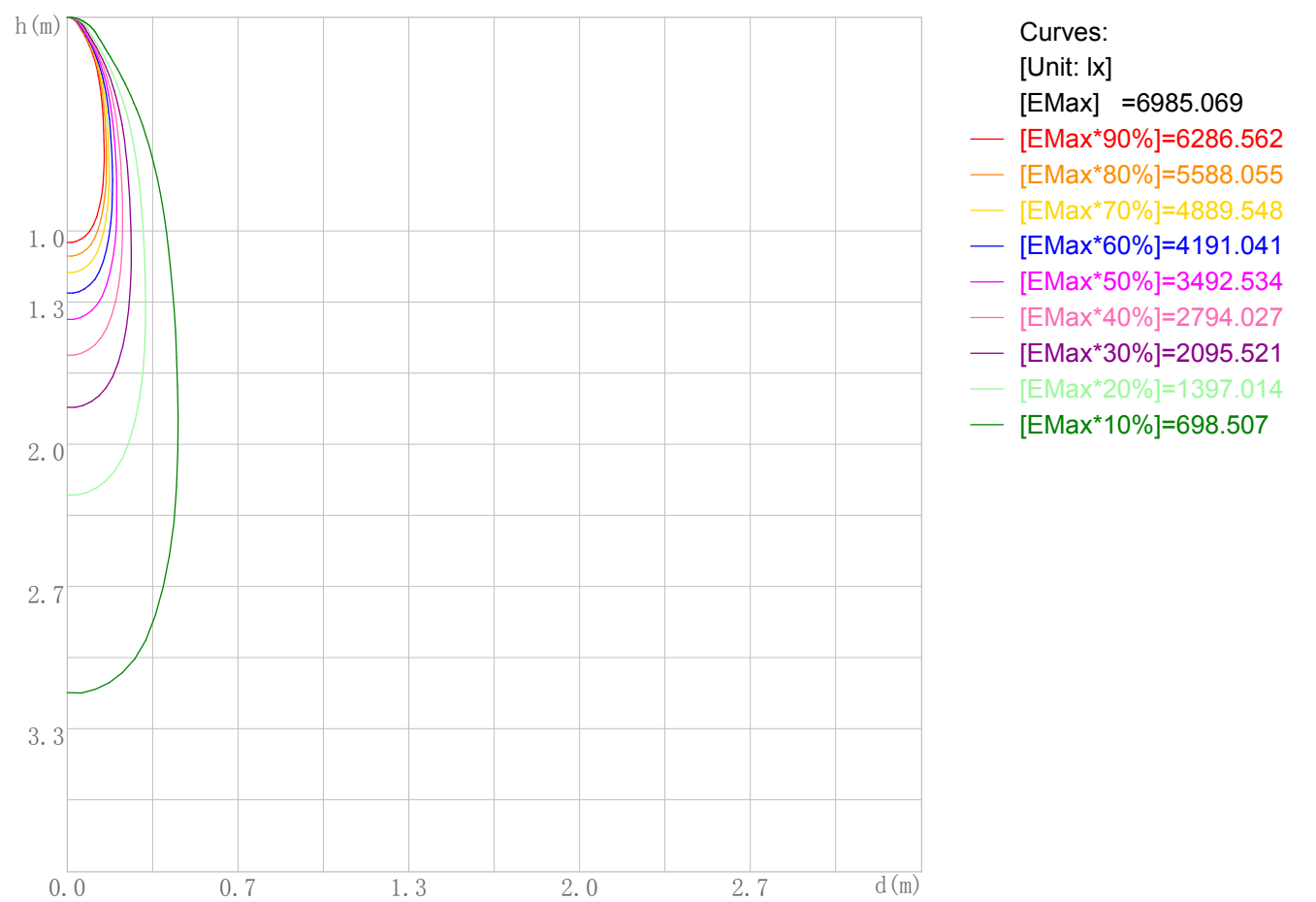




Space ISO Illuminance Diagram

Lum. Name:TR04-20-XX-01 2700K RA90 18D	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:2019/09/05

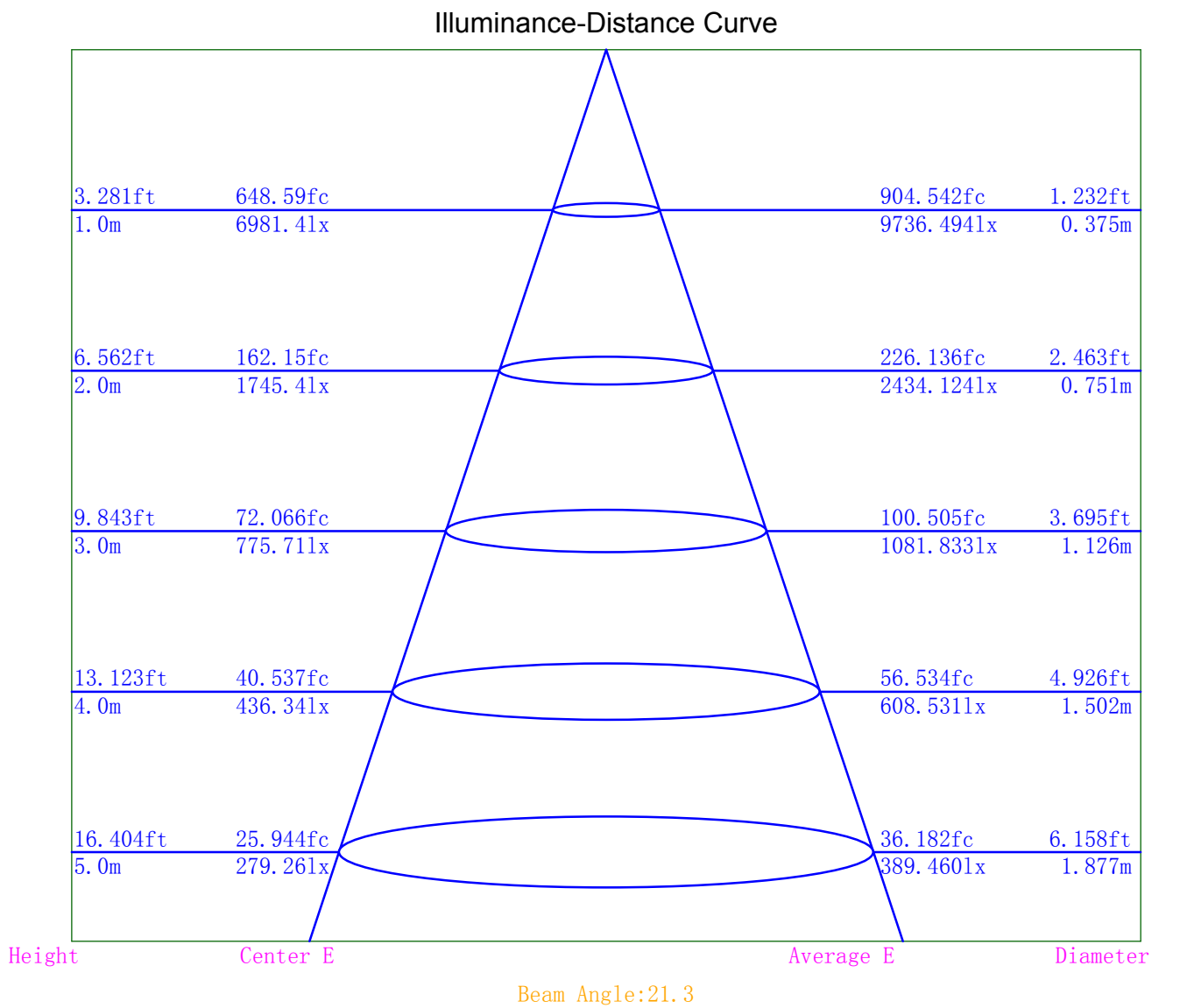
Space ISO Illuminance Curve



Space Plane Maximum Illuminance and @Angle:6985.07lx,1.0deg  
Plane Maximum Lighting Intensity and @Angle:6988.261cd,0eg

Illuminance-Distance Diagram

Lum. Name:TR04-20-XX-01 2700K RA90 18D	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:2019/09/05



Indoor Luminance Limiting Curves

Lum. Name:TR04-20-XX-01 2700K RA90 18D	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:2019/09/05

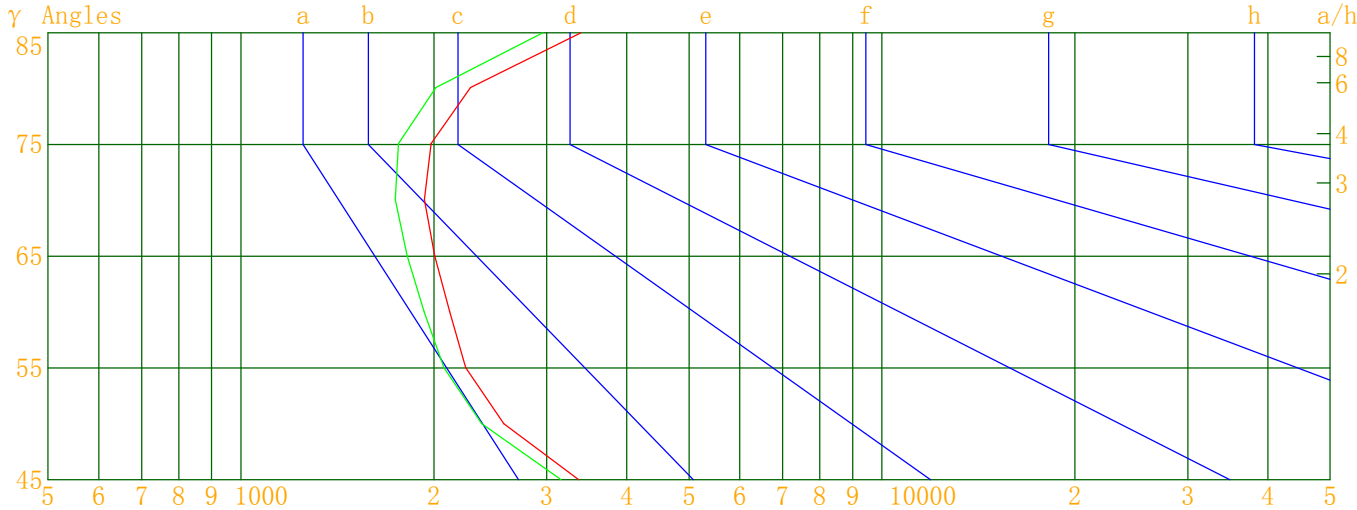
Glare Grade Table

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	3364	2571	2242	2116	2006	1934	1980	2281	3392
C90	3158	2375	2074	1930	1816	1742	1761	2014	2957

Luminance Limiting Curve



Luminous Size:

Length(m)=0.060

Width(m)=0.060

Height(m)=0.250

Area(m^2)=0.018600

Luminous Type:

Without Luminous Side

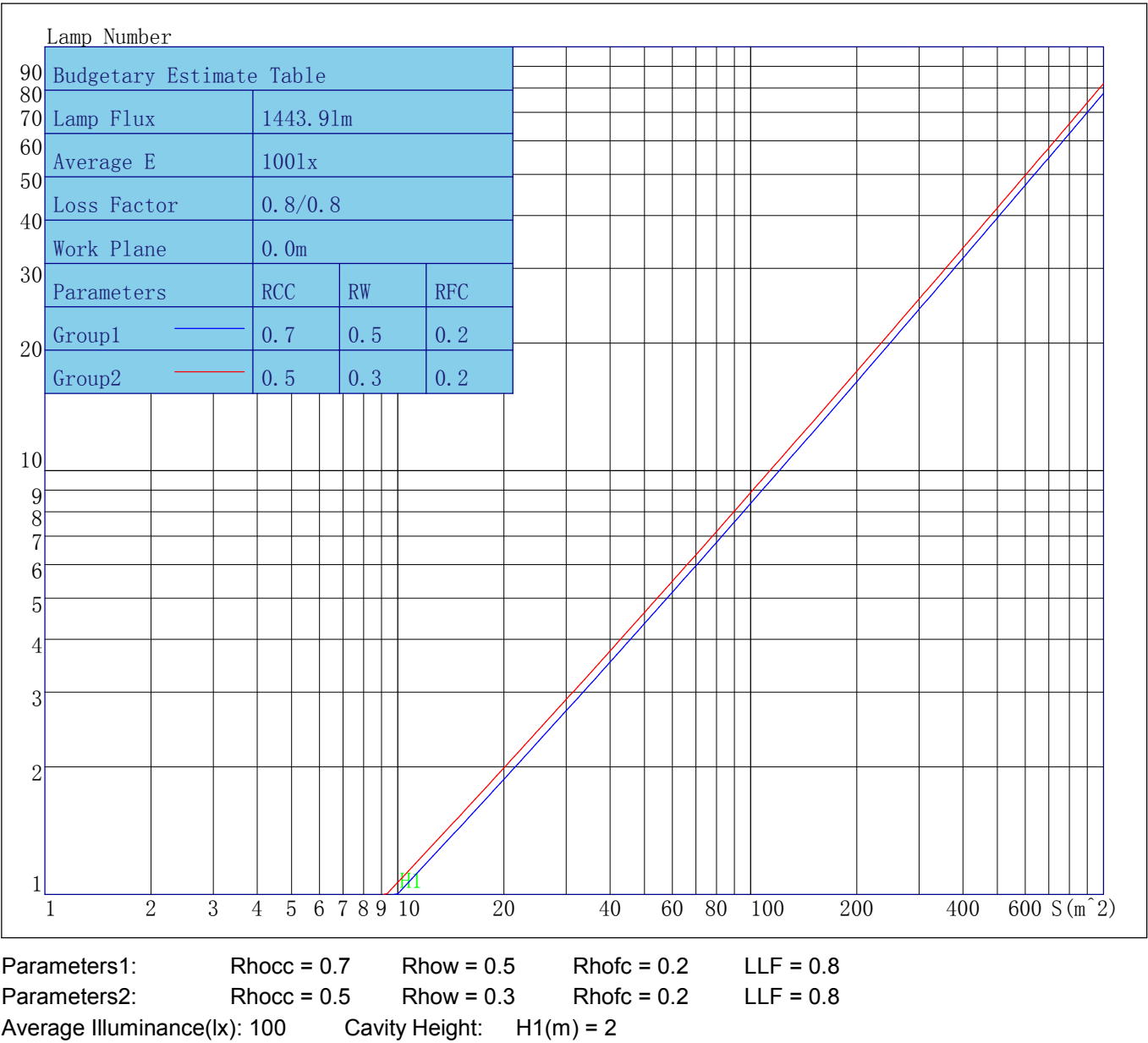
Luminous Curves:

C0-C180 Color: ————

C90-C270 Color: ————

Indoor Budgetary Estimate Table

Lum. Name:TR04-20-XX-01 2700K RA90 18D	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:2019/09/05



Indoor Coefficient of Utilization Table

Lum. Name:TR04-20-XX-01 2700K RA90 18D	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:2019/09/05

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	110	110	110	105	105	105	100	100	100	98
1	114	112	109	107	111	109	107	106	105	103	102	101	100	99	97	96	96	94
2	110	106	102	99	107	104	101	98	100	98	96	97	95	93	94	93	91	90
3	106	100	96	93	104	99	95	92	96	93	91	94	91	89	91	89	87	86
4	102	96	92	88	100	95	91	88	93	89	86	90	88	85	88	86	84	83
5	99	92	88	84	97	91	87	84	89	86	83	87	84	82	86	83	81	80
6	95	89	84	81	94	88	83	80	86	82	80	85	82	79	83	81	78	77
7	92	85	81	78	91	85	80	77	83	80	77	82	79	76	81	78	76	75
8	90	83	78	75	89	82	78	75	81	77	74	80	77	74	79	76	74	73
9	87	80	76	73	86	80	75	72	79	75	72	78	74	72	77	74	72	71
10	85	78	73	70	84	77	73	70	76	73	70	76	72	70	75	72	70	69

Unified Glare Rating Table

Lum. Name: TR04-20-XX-01 2700K RA90 18D	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: 2019/09/05

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	9.9	10.8	10.3	11.2	11.5	9.7	10.6	10.1	11.0	11.4
	10.7	11.5	11.1	11.9	12.3	10.4	11.2	10.8	11.6	12.0
	11.1	11.8	11.5	12.2	12.7	10.7	11.5	11.2	11.9	12.3
	11.6	12.3	12.0	12.7	13.1	11.1	11.8	11.6	12.3	12.7
	11.8	12.5	12.3	12.9	13.4	11.4	12.0	11.8	12.5	12.9
	12.1	12.8	12.6	13.2	13.7	11.6	12.3	12.1	12.7	13.2
X=4H    Y=2H	10.1	10.8	10.5	11.2	11.7	9.9	10.6	10.3	11.0	11.5
	11.1	11.7	11.5	12.1	12.6	10.7	11.4	11.2	11.8	12.3
	11.6	12.2	12.1	12.7	13.2	11.3	11.8	11.7	12.3	12.8
	12.3	12.8	12.8	13.3	13.8	11.9	12.3	12.4	12.8	13.3
	12.7	13.1	13.2	13.6	14.1	12.2	12.6	12.7	13.1	13.6
	13.1	13.5	13.6	14.0	14.5	12.6	13.0	13.1	13.5	14.0
X=8H    Y=4H	11.8	12.3	12.3	12.8	13.3	11.5	11.9	12.0	12.4	12.9
	12.7	13.1	13.3	13.6	14.2	12.2	12.6	12.8	13.1	13.7
	13.2	13.5	13.8	14.1	14.6	12.7	13.0	13.3	13.6	14.1
	13.8	14.1	14.4	14.6	15.3	13.3	13.6	13.9	14.1	14.7
X=12H    Y=4H	11.8	12.2	12.4	12.8	13.3	11.5	11.8	12.0	12.4	12.9
	12.8	13.1	13.4	13.6	14.2	12.3	12.6	12.9	13.1	13.7
	13.4	13.7	14.0	14.2	14.8	12.9	13.2	13.5	13.7	14.3
Variations with the objerver position at spacings										
S=1.0H	0.2/-0.2					0.2/-0.2				
S=1.5H	0.4/-0.4					0.4/-0.4				
S=2.0H	0.5/-0.5					0.5/-0.5				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	2.7					2.5				

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

IES Indoor Report

Photometric Filename:TR04-20-XX-01 2700K RA90 18D.IES

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Candela Tabulation

V/H	C0.0	C90.0	C180.0	C270.0
γ 0.0	6981.43	6981.43	6981.43	6981.43
γ 1.0	6988.26	6994.65	6924.55	6874.18
γ 2.0	6925.58	6960.33	6796.67	6720.08
γ 3.0	6804.84	6859.44	6608.33	6509.25
γ 4.0	6623.25	6696.96	6356.48	6241.85
γ 5.0	6376.53	6471.44	6034.03	5884.79
γ 6.0	6035.86	6172.38	5606.64	5430.19
γ 7.0	5594.10	5758.69	5125.22	4937.00
γ 8.0	5111.58	5291.76	4619.70	4419.29
γ 9.0	4600.12	4791.40	4095.01	3892.77
γ 10.0	4075.39	4275.92	3567.36	3365.69
γ 11.0	3560.75	3755.38	3059.76	2877.11
γ 12.0	3073.32	3249.92	2601.63	2448.16
γ 13.0	2642.71	2785.47	2207.35	2089.18
γ 14.0	2274.71	2379.98	1882.14	1787.41
γ 15.0	1967.11	2037.80	1609.85	1532.38
γ 16.0	1704.64	1756.04	1382.77	1320.34
γ 17.0	1480.56	1520.03	1191.35	1144.47
γ 18.0	1288.59	1321.72	1031.51	999.95
γ 19.0	1128.35	1158.53	902.17	877.18
γ 20.0	992.26	1021.79	781.05	771.67
γ 21.0	874.89	902.80	680.61	679.96
γ 22.0	773.42	800.13	592.90	599.24
γ 23.0	683.48	709.82	516.21	526.92
γ 24.0	603.19	628.96	449.00	461.78
γ 25.0	532.39	555.90	390.14	403.80
γ 26.0	469.32	489.65	338.55	351.27
γ 27.0	413.66	430.93	293.70	305.26
γ 28.0	363.61	379.67	256.51	265.24
γ 29.0	319.70	335.02	219.19	230.47
γ 30.0	280.70	294.26	188.86	199.63
γ 31.0	246.25	257.96	162.31	173.24
γ 32.0	215.40	225.59	140.45	150.83
γ 33.0	189.00	196.22	120.82	130.98
γ 34.0	165.50	169.32	104.82	113.59
γ 35.0	144.98	147.20	91.18	99.14
γ 36.0	126.92	127.80	79.57	86.75
γ 37.0	111.28	111.49	69.88	76.66
γ 38.0	97.76	97.79	61.77	68.16
γ 39.0	85.89	85.82	55.09	60.94
γ 40.0	75.72	74.89	49.60	54.53
γ 41.0	66.66	65.28	44.74	49.15
γ 42.0	59.08	57.05	40.83	44.52
γ 43.0	52.93	50.42	37.61	40.97
γ 44.0	48.12	45.32	35.14	38.17
γ 45.0	44.25	41.53	33.06	35.97
γ 46.0	41.14	38.48	31.43	34.00

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 47.0	38.40	35.71	29.84	32.30
γ 48.0	35.64	33.15	28.26	30.51
γ 49.0	32.90	30.51	26.63	28.80
γ 50.0	30.74	28.40	25.35	27.51
γ 51.0	29.05	26.87	24.54	26.47
γ 52.0	27.56	25.49	23.62	25.64
γ 53.0	26.36	24.25	22.77	24.74
γ 54.0	25.09	23.09	21.99	23.84
γ 55.0	23.92	22.13	21.34	23.19
γ 56.0	23.04	21.21	20.67	22.41
γ 57.0	22.14	20.37	20.09	21.77
γ 58.0	21.27	19.58	19.43	21.22
γ 59.0	20.47	18.80	18.79	20.45
γ 60.0	19.68	17.95	18.21	19.86
γ 61.0	18.88	17.22	17.56	19.15
γ 62.0	18.02	16.49	16.90	18.43
γ 63.0	17.25	15.77	16.24	17.73
γ 64.0	16.54	14.96	15.48	17.07
γ 65.0	15.77	14.27	14.73	16.30
γ 66.0	15.03	13.54	13.96	15.57
γ 67.0	14.22	12.87	13.40	14.81
γ 68.0	13.56	12.22	12.72	14.10
γ 69.0	13.02	11.51	12.12	13.44
γ 70.0	12.30	11.08	11.51	12.85
γ 71.0	11.77	10.45	10.81	12.13
γ 72.0	11.10	9.97	10.32	11.60
γ 73.0	10.59	9.45	9.75	10.99
γ 74.0	10.11	8.98	9.34	10.49
γ 75.0	9.53	8.48	8.86	9.94
γ 76.0	9.08	8.09	8.30	9.36
γ 77.0	8.66	7.67	7.91	8.87
γ 78.0	8.23	7.24	7.48	8.48
γ 79.0	7.74	6.87	7.08	7.96
γ 80.0	7.37	6.50	6.58	7.52
γ 81.0	7.05	6.12	6.22	7.13
γ 82.0	6.53	5.81	5.83	6.68
γ 83.0	6.20	5.49	5.49	6.29
γ 84.0	5.80	5.15	5.12	5.93
γ 85.0	5.50	4.79	4.80	5.52
γ 86.0	5.11	4.57	4.39	5.11
γ 87.0	4.85	4.23	4.09	4.77
γ 88.0	4.56	3.95	3.81	4.48
γ 89.0	4.26	3.72	3.48	4.08
γ 90.0	3.93	3.52	3.33	3.83
γ 91.0	3.86	3.41	3.29	3.66
γ 92.0	3.74	3.31	3.12	3.55
γ 93.0	3.62	3.19	3.04	3.39



Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 94.0	3.48	3.17	2.90	3.26
γ 95.0	3.42	3.13	2.74	3.23
γ 96.0	3.37	2.94	2.70	3.05
γ 97.0	3.30	2.93	2.55	2.99
γ 98.0	3.15	2.85	2.52	2.88
γ 99.0	3.10	2.73	2.46	2.81
γ 100.0	2.99	2.69	2.32	2.72
γ 101.0	2.85	2.60	2.30	2.58
γ 102.0	2.82	2.59	2.23	2.54
γ 103.0	2.78	2.53	2.18	2.52
γ 104.0	2.70	2.42	2.23	2.44
γ 105.0	2.70	2.47	2.16	2.39
γ 106.0	2.65	2.44	2.23	2.42
γ 107.0	2.59	2.38	2.11	2.36
γ 108.0	2.52	2.34	2.13	2.28
γ 109.0	2.52	2.28	2.10	2.35
γ 110.0	2.45	2.28	2.14	2.36
γ 111.0	2.43	2.20	2.05	2.39
γ 112.0	2.32	2.16	2.11	2.34
γ 113.0	2.30	2.04	2.09	2.31
γ 114.0	2.26	2.05	2.10	2.33
γ 115.0	2.19	2.03	2.16	2.29
γ 116.0	2.14	2.01	2.21	2.40
γ 117.0	2.12	1.97	2.19	2.36
γ 118.0	2.07	1.92	2.23	2.34
γ 119.0	1.98	1.85	2.25	2.38
γ 120.0	2.03	1.87	2.30	2.45
γ 121.0	1.99	1.84	2.31	2.47
γ 122.0	1.92	1.79	2.42	2.55
γ 123.0	1.98	1.90	2.50	2.63
γ 124.0	1.91	1.85	2.66	2.70
γ 125.0	2.02	1.94	2.70	2.82
γ 126.0	2.10	2.04	2.80	2.90
γ 127.0	2.10	2.13	2.87	3.05
γ 128.0	2.15	2.24	3.11	3.13
γ 129.0	2.36	2.36	3.22	3.30
γ 130.0	2.46	2.47	3.32	3.50
γ 131.0	2.56	2.57	3.59	3.68
γ 132.0	2.69	2.70	3.77	3.80
γ 133.0	2.98	2.94	4.09	4.15
γ 134.0	3.16	3.17	4.32	4.32
γ 135.0	3.40	3.38	4.61	4.70
γ 136.0	3.61	3.67	4.91	4.99
γ 137.0	3.89	3.87	5.17	5.28
γ 138.0	4.25	4.22	5.48	5.69
γ 139.0	4.53	4.52	5.94	6.03
γ 140.0	4.89	4.82	6.29	6.34

Candela Tabulation - (Cont.)

V/H	C0.0	C90.0	C180.0	C270.0
γ 141.0	5.29	5.13	6.66	6.77
γ 142.0	5.56	5.59	7.03	7.16
γ 143.0	5.90	5.87	7.39	7.46
γ 144.0	6.32	6.24	7.74	7.79
γ 145.0	6.65	6.63	8.18	8.14
γ 146.0	7.02	6.99	8.47	8.48
γ 147.0	7.45	7.43	8.68	8.80
γ 148.0	7.78	7.67	9.05	9.05
γ 149.0	8.07	7.95	9.39	9.40
γ 150.0	8.37	8.33	9.60	9.55
γ 151.0	8.69	8.58	9.87	9.76
γ 152.0	8.96	8.88	9.99	9.94
γ 153.0	9.18	9.03	10.18	10.11
γ 154.0	9.44	9.30	10.34	10.26
γ 155.0	9.56	9.46	10.44	10.37
γ 156.0	9.77	9.62	10.57	10.43
γ 157.0	9.96	9.69	10.65	10.53
γ 158.0	10.08	9.83	10.79	10.66
γ 159.0	10.15	10.00	10.90	10.70
γ 160.0	10.31	10.09	10.93	10.73
γ 161.0	10.35	10.24	11.05	10.78
γ 162.0	10.46	10.32	11.06	10.79
γ 163.0	10.52	10.39	11.02	10.78
γ 164.0	10.53	10.34	11.17	10.85
γ 165.0	10.68	10.52	11.09	10.80
γ 166.0	10.69	10.51	11.10	10.86
γ 167.0	10.66	10.60	11.09	10.79
γ 168.0	10.72	10.56	10.98	10.69
γ 169.0	10.68	10.66	10.98	10.71
γ 170.0	10.64	10.61	10.94	10.65
γ 171.0	10.61	10.64	10.89	10.52
γ 172.0	10.47	10.60	10.73	10.51
γ 173.0	10.46	10.57	10.73	10.45
γ 174.0	10.39	10.49	10.64	10.35
γ 175.0	10.32	10.46	10.60	10.27
γ 176.0	10.31	10.41	10.51	10.26
γ 177.0	10.33	10.37	10.47	10.30
γ 178.0	10.34	10.36	10.50	10.44
γ 179.0	10.32	10.38	10.45	10.48
γ 180.0	10.43	10.43	10.43	10.43