

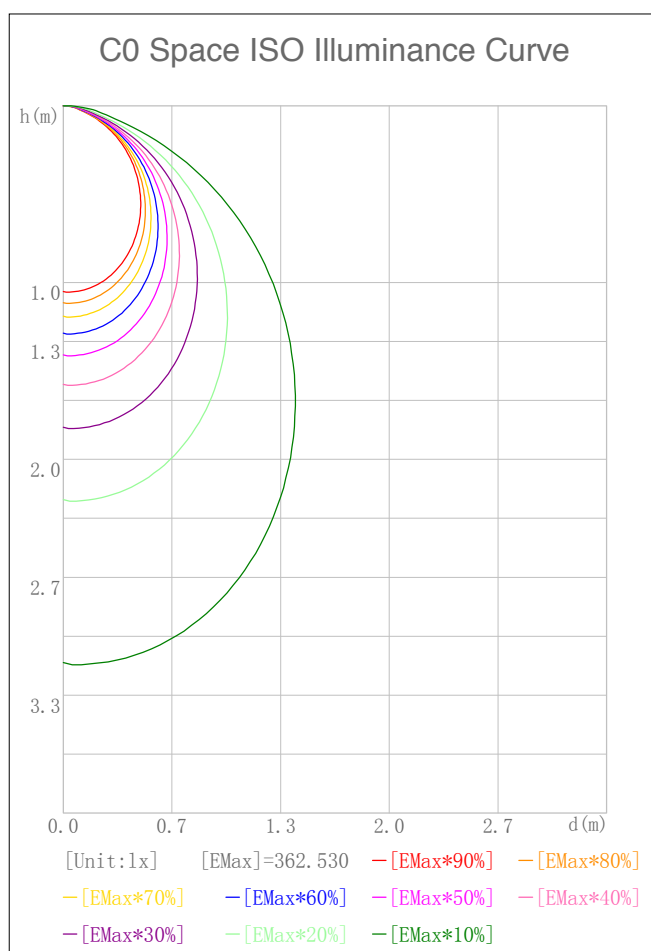
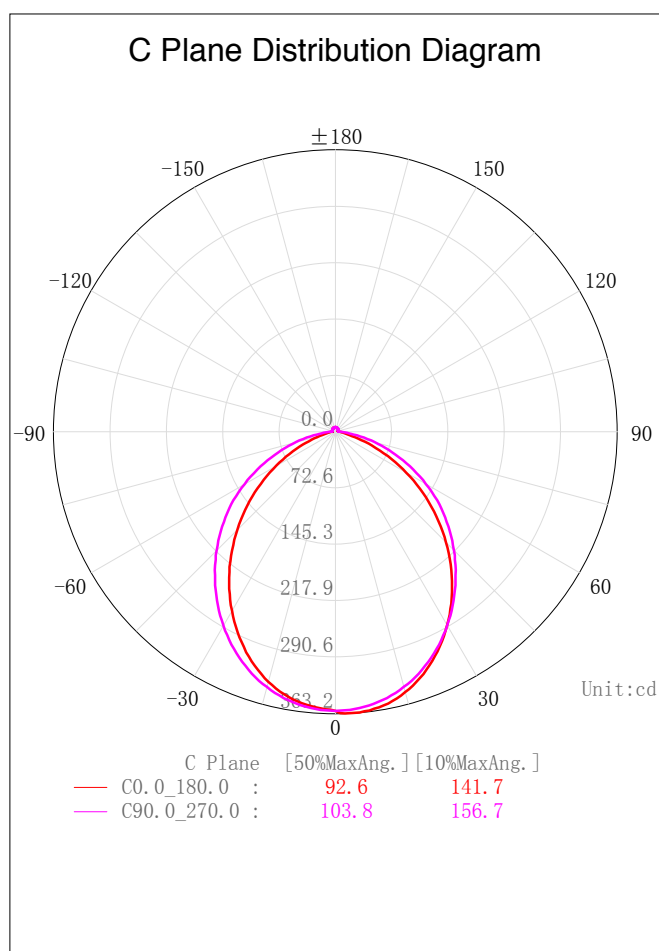
Indoor Luminaire Photometric Data

Description Information

Luminaire Name: SCDL - 9W - 4000K	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Date: 2018/01/04
Manufacture:	Shld. Ang(°):	Test Machine: GON-2000
Test Lab:	Frequency (Hz):	Lamp CCT (K): Ra:
Lum. Size (W*L*H): 0.075m*0.075m*0.000m	Lum. Area (m2): 0.004	Lum. W (kg): 0.000
Test System: C, γ	Test Step: C=30.0 γ=1.0	Temp. (°C): 25
		Humidity (%): 50.0

Character Parameter

Lamp Speciality Parameter	Luminaire Speciality Parameter	
Rated Flux(lm): 877.050	Luminaire Flux(lm): 877.049	Field Angle(10%Imax): 141.7(°)
Rated Power(W):	Luminaire Efficiency: 100.00%	Down Lumens&Percent: 849.460lm 96.85%
Rated Voltage(V):	Luminaire EER(lm/W): 94.306	Up Lumens&Percent: 27.589lm 3.15%
Tested Power(W): 9.300	Max. Candela(cd): 363.193	S/MH: C0_a180=1.155 C90_270=1.195
Lamps' Inside: 1	Max Cand@Ang. (°): C=0.0 γ=2.0	CIE Type: Semi-Direct
Tested Electrics(V, A, pf): 230.3, 0.040, 0.992	Beam Angle (50%Imax): 92.6(°)	ErP Φ use (120°): 715.268lm
Lamp Size (W*L*H): 0.075m*0.075m*0.000m	Left=-44.4°, Right=48.2°	IRF (%): 119.199



Photometric Report // SCDL

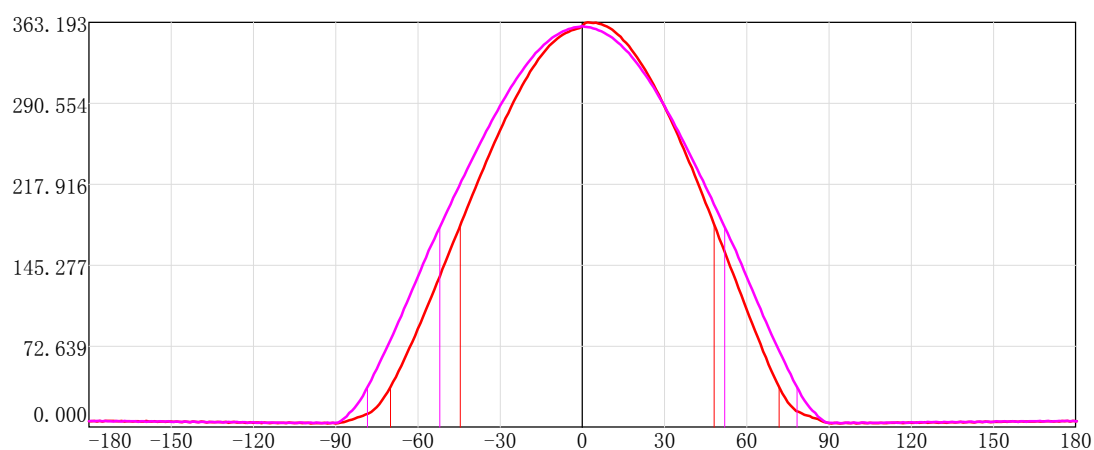
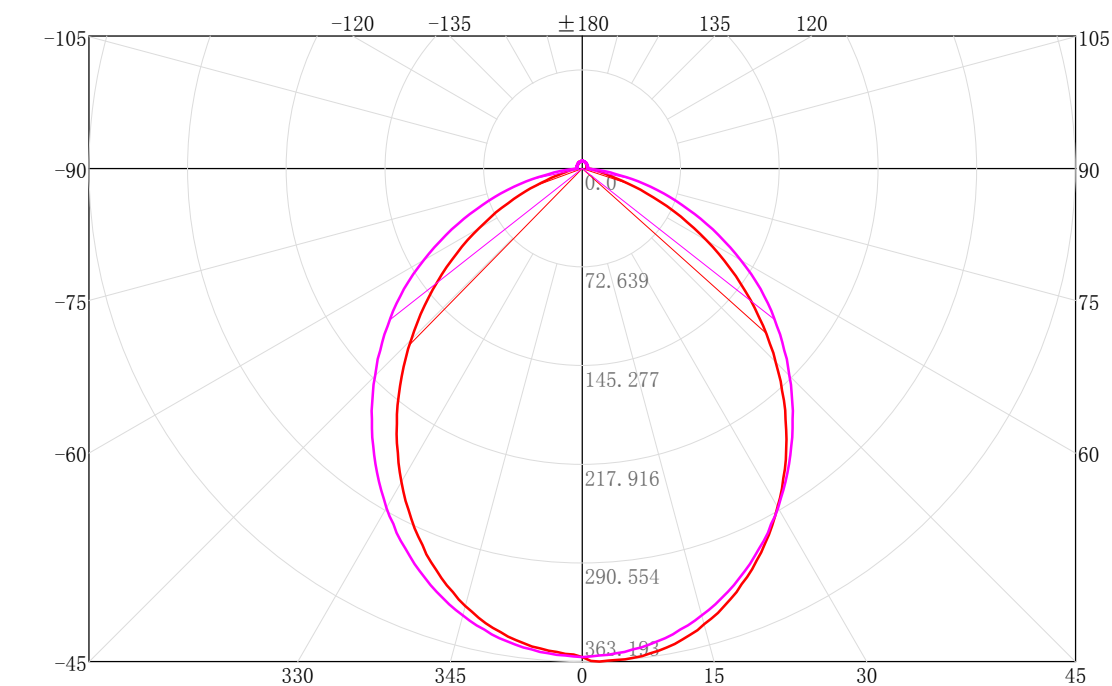
9W 4000K



2D Plane Light Intensity Distribution Curve

Lum. Name: SCDL - 9W - 4000K	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2018/01/04

C Plane Distribution Diagram



	C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
—	C0.0_180.0 :	92.6	141.7	
—	C90.0_270.0 :	103.8	156.7	

Photometric Report // SCDL

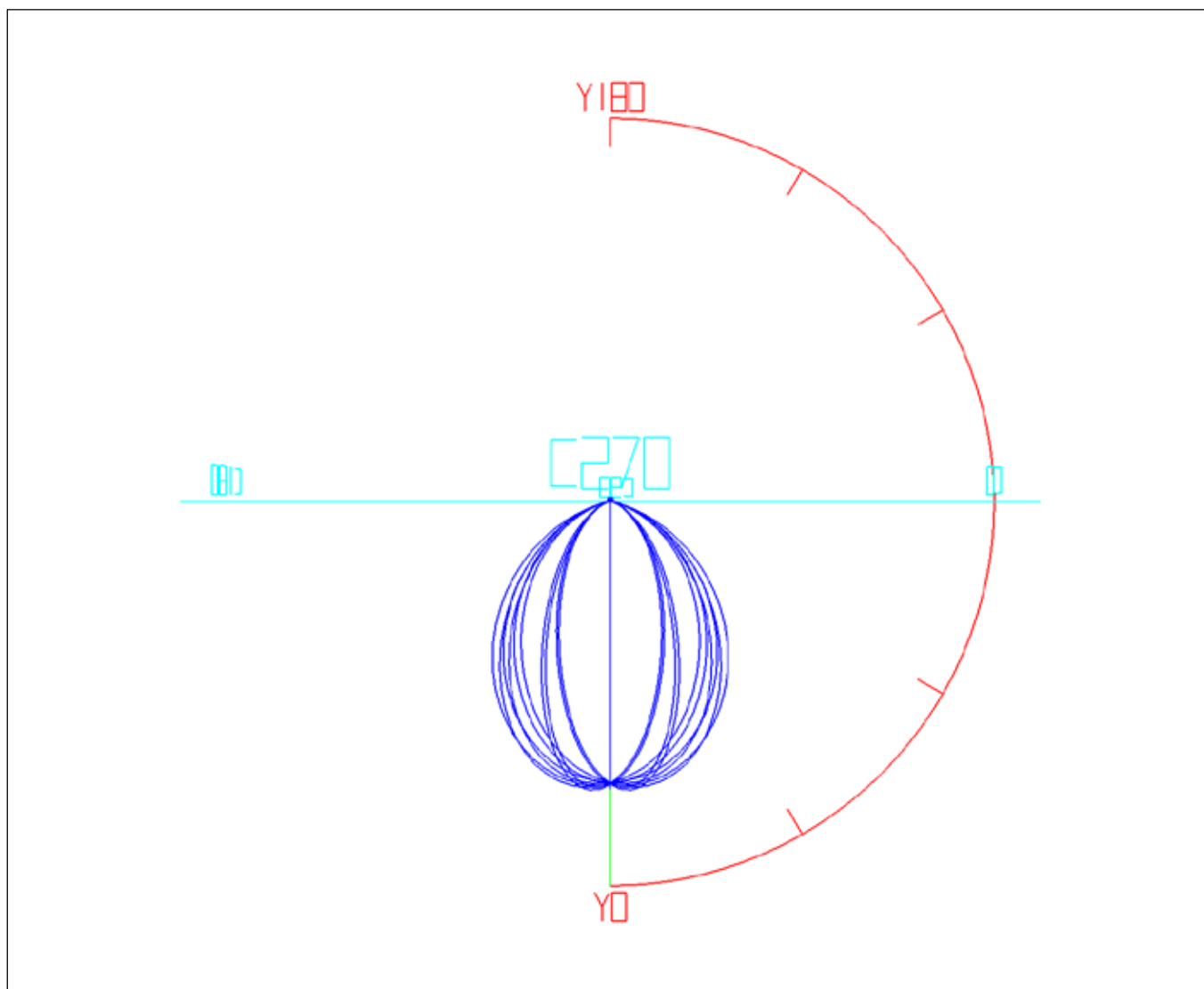
9W 4000K



3D Light Intensity Distribution Modal

Lum. Name: SCDL - 9W - 4000K	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2018/01/04

3D Light Intensity Distribution Modal



Curves: 3D Model — Fixture — Vert. HUD — Hori. HUD —
View Angles: Orient:0 Tilt:0 Roll:0 Spin:0

Photometric Report // SCDL

9W 4000K



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	0.34	0.34	0.04	0.04	47.0-48.0	15.19	556.35	1.73	63.43
1.0-2.0	1.03	1.38	0.12	0.16	48.0-49.0	14.95	571.31	1.71	65.14
2.0-3.0	1.72	3.09	0.20	0.35	49.0-50.0	14.71	586.01	1.68	66.82
3.0-4.0	2.40	5.50	0.27	0.63	50.0-51.0	14.44	600.45	1.65	68.46
4.0-5.0	3.08	8.58	0.35	0.98	51.0-52.0	14.14	614.60	1.61	70.08
5.0-6.0	3.76	12.33	0.43	1.41	52.0-53.0	13.84	628.44	1.58	71.65
6.0-7.0	4.42	16.76	0.50	1.91	53.0-54.0	13.52	641.97	1.54	73.20
7.0-8.0	5.08	21.84	0.58	2.49	54.0-55.0	13.18	655.14	1.50	74.70
8.0-9.0	5.74	27.57	0.65	3.14	55.0-56.0	12.82	667.96	1.46	76.16
9.0-10.0	6.38	33.95	0.73	3.87	56.0-57.0	12.44	680.41	1.42	77.58
10.0-11.0	7.00	40.96	0.80	4.67	57.0-58.0	12.04	692.44	1.37	78.95
11.0-12.0	7.62	48.58	0.87	5.54	58.0-59.0	11.63	704.07	1.33	80.28
12.0-13.0	8.22	56.80	0.94	6.48	59.0-60.0	11.20	715.27	1.28	81.55
13.0-14.0	8.80	65.60	1.00	7.48	60.0-61.0	10.75	726.02	1.23	82.78
14.0-15.0	9.37	74.97	1.07	8.55	61.0-62.0	10.30	736.32	1.17	83.95
15.0-16.0	9.92	84.90	1.13	9.68	62.0-63.0	9.83	746.15	1.12	85.07
16.0-17.0	10.46	95.36	1.19	10.87	63.0-64.0	9.34	755.49	1.07	86.14
17.0-18.0	10.97	106.33	1.25	12.12	64.0-65.0	8.86	764.36	1.01	87.15
18.0-19.0	11.46	117.79	1.31	13.43	65.0-66.0	8.35	772.71	0.95	88.10
19.0-20.0	11.93	129.72	1.36	14.79	66.0-67.0	7.84	780.55	0.89	89.00
20.0-21.0	12.38	142.10	1.41	16.20	67.0-68.0	7.34	787.89	0.84	89.83
21.0-22.0	12.81	154.91	1.46	17.66	68.0-69.0	6.82	794.71	0.78	90.61
22.0-23.0	13.21	168.13	1.51	19.17	69.0-70.0	6.31	801.02	0.72	91.33
23.0-24.0	13.59	181.72	1.55	20.72	70.0-71.0	5.81	806.84	0.66	91.99
24.0-25.0	13.95	195.66	1.59	22.31	71.0-72.0	5.30	812.13	0.60	92.60
25.0-26.0	14.28	209.94	1.63	23.94	72.0-73.0	4.81	816.94	0.55	93.15
26.0-27.0	14.58	224.52	1.66	25.60	73.0-74.0	4.33	821.27	0.49	93.64
27.0-28.0	14.87	239.39	1.69	27.29	74.0-75.0	3.86	825.13	0.44	94.08
28.0-29.0	15.12	254.51	1.72	29.02	75.0-76.0	3.43	828.56	0.39	94.47
29.0-30.0	15.35	269.85	1.75	30.77	76.0-77.0	3.03	831.59	0.35	94.82
30.0-31.0	15.55	285.40	1.77	32.54	77.0-78.0	2.65	834.25	0.30	95.12
31.0-32.0	15.73	301.13	1.79	34.33	78.0-79.0	2.35	836.60	0.27	95.39
32.0-33.0	15.88	317.01	1.81	36.14	79.0-80.0	2.10	838.70	0.24	95.63
33.0-34.0	16.00	333.01	1.82	37.97	80.0-81.0	1.86	840.56	0.21	95.84
34.0-35.0	16.11	349.12	1.84	39.81	81.0-82.0	1.66	842.21	0.19	96.03
35.0-36.0	16.18	365.30	1.85	41.65	82.0-83.0	1.48	843.69	0.17	96.20
36.0-37.0	16.23	381.53	1.85	43.50	83.0-84.0	1.29	844.98	0.15	96.34
37.0-38.0	16.26	397.79	1.85	45.36	84.0-85.0	1.12	846.11	0.13	96.47
38.0-39.0	16.26	414.04	1.85	47.21	85.0-86.0	0.96	847.07	0.11	96.58
39.0-40.0	16.22	430.27	1.85	49.06	86.0-87.0	0.79	847.85	0.09	96.67
40.0-41.0	16.18	446.45	1.84	50.90	87.0-88.0	0.63	848.49	0.07	96.74
41.0-42.0	16.10	462.55	1.84	52.74	88.0-89.0	0.52	849.00	0.06	96.80
42.0-43.0	16.00	478.55	1.82	54.56	89.0-90.0	0.46	849.46	0.05	96.85
43.0-44.0	15.89	494.44	1.81	56.38	90.0-91.0	0.44	849.90	0.05	96.90
44.0-45.0	15.74	510.19	1.80	58.17	91.0-92.0	0.43	850.33	0.05	96.95
45.0-46.0	15.57	525.76	1.78	59.95	92.0-93.0	0.43	850.76	0.05	97.00
46.0-47.0	15.40	541.16	1.76	61.70	93.0-94.0	0.43	851.19	0.05	97.05

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	0.43	851.62	0.05	97.10	141.0-142.0	0.33	870.22	0.04	99.22
95.0-96.0	0.43	852.05	0.05	97.15	142.0-143.0	0.32	870.54	0.04	99.26
96.0-97.0	0.44	852.49	0.05	97.20	143.0-144.0	0.32	870.86	0.04	99.29
97.0-98.0	0.43	852.92	0.05	97.25	144.0-145.0	0.32	871.18	0.04	99.33
98.0-99.0	0.42	853.34	0.05	97.30	145.0-146.0	0.30	871.48	0.03	99.36
99.0-100.0	0.43	853.77	0.05	97.35	146.0-147.0	0.30	871.78	0.03	99.40
100.0-101.0	0.42	854.19	0.05	97.39	147.0-148.0	0.29	872.07	0.03	99.43
101.0-102.0	0.42	854.60	0.05	97.44	148.0-149.0	0.28	872.36	0.03	99.46
102.0-103.0	0.43	855.04	0.05	97.49	149.0-150.0	0.28	872.63	0.03	99.50
103.0-104.0	0.42	855.46	0.05	97.54	150.0-151.0	0.27	872.90	0.03	99.53
104.0-105.0	0.41	855.87	0.05	97.59	151.0-152.0	0.26	873.17	0.03	99.56
105.0-106.0	0.42	856.29	0.05	97.63	152.0-153.0	0.26	873.43	0.03	99.59
106.0-107.0	0.42	856.71	0.05	97.68	153.0-154.0	0.25	873.68	0.03	99.62
107.0-108.0	0.42	857.13	0.05	97.73	154.0-155.0	0.24	873.92	0.03	99.64
108.0-109.0	0.42	857.55	0.05	97.78	155.0-156.0	0.23	874.16	0.03	99.67
109.0-110.0	0.41	857.96	0.05	97.82	156.0-157.0	0.23	874.39	0.03	99.70
110.0-111.0	0.41	858.37	0.05	97.87	157.0-158.0	0.22	874.61	0.03	99.72
111.0-112.0	0.42	858.79	0.05	97.92	158.0-159.0	0.21	874.82	0.02	99.75
112.0-113.0	0.42	859.20	0.05	97.97	159.0-160.0	0.20	875.02	0.02	99.77
113.0-114.0	0.41	859.62	0.05	98.01	160.0-161.0	0.19	875.21	0.02	99.79
114.0-115.0	0.42	860.03	0.05	98.06	161.0-162.0	0.18	875.39	0.02	99.81
115.0-116.0	0.41	860.44	0.05	98.11	162.0-163.0	0.17	875.57	0.02	99.83
116.0-117.0	0.41	860.85	0.05	98.15	163.0-164.0	0.17	875.74	0.02	99.85
117.0-118.0	0.41	861.26	0.05	98.20	164.0-165.0	0.16	875.89	0.02	99.87
118.0-119.0	0.40	861.66	0.05	98.25	165.0-166.0	0.15	876.04	0.02	99.88
119.0-120.0	0.39	862.05	0.04	98.29	166.0-167.0	0.14	876.17	0.02	99.90
120.0-121.0	0.40	862.45	0.05	98.34	167.0-168.0	0.13	876.30	0.01	99.91
121.0-122.0	0.40	862.85	0.05	98.38	168.0-169.0	0.12	876.42	0.01	99.93
122.0-123.0	0.39	863.24	0.04	98.43	169.0-170.0	0.11	876.53	0.01	99.94
123.0-124.0	0.39	863.64	0.04	98.47	170.0-171.0	0.10	876.63	0.01	99.95
124.0-125.0	0.40	864.03	0.05	98.52	171.0-172.0	0.09	876.72	0.01	99.96
125.0-126.0	0.39	864.42	0.04	98.56	172.0-173.0	0.08	876.79	0.01	99.97
126.0-127.0	0.39	864.81	0.04	98.60	173.0-174.0	0.07	876.86	0.01	99.98
127.0-128.0	0.39	865.20	0.04	98.65	174.0-175.0	0.06	876.92	0.01	99.98
128.0-129.0	0.38	865.58	0.04	98.69	175.0-176.0	0.05	876.96	0.01	99.99
129.0-130.0	0.37	865.96	0.04	98.73	176.0-177.0	0.04	877.00	0.00	99.99
130.0-131.0	0.38	866.33	0.04	98.78	177.0-178.0	0.03	877.03	0.00	100.00
131.0-132.0	0.38	866.71	0.04	98.82	178.0-179.0	0.02	877.04	0.00	100.00
132.0-133.0	0.37	867.08	0.04	98.86	179.0-180.0	0.01	877.05	0.00	100.00
133.0-134.0	0.37	867.45	0.04	98.91					
134.0-135.0	0.37	867.81	0.04	98.95					
135.0-136.0	0.36	868.17	0.04	98.99					
136.0-137.0	0.35	868.52	0.04	99.03					
137.0-138.0	0.35	868.88	0.04	99.07					
138.0-139.0	0.35	869.22	0.04	99.11					
139.0-140.0	0.34	869.56	0.04	99.15					
140.0-141.0	0.33	869.89	0.04	99.18					

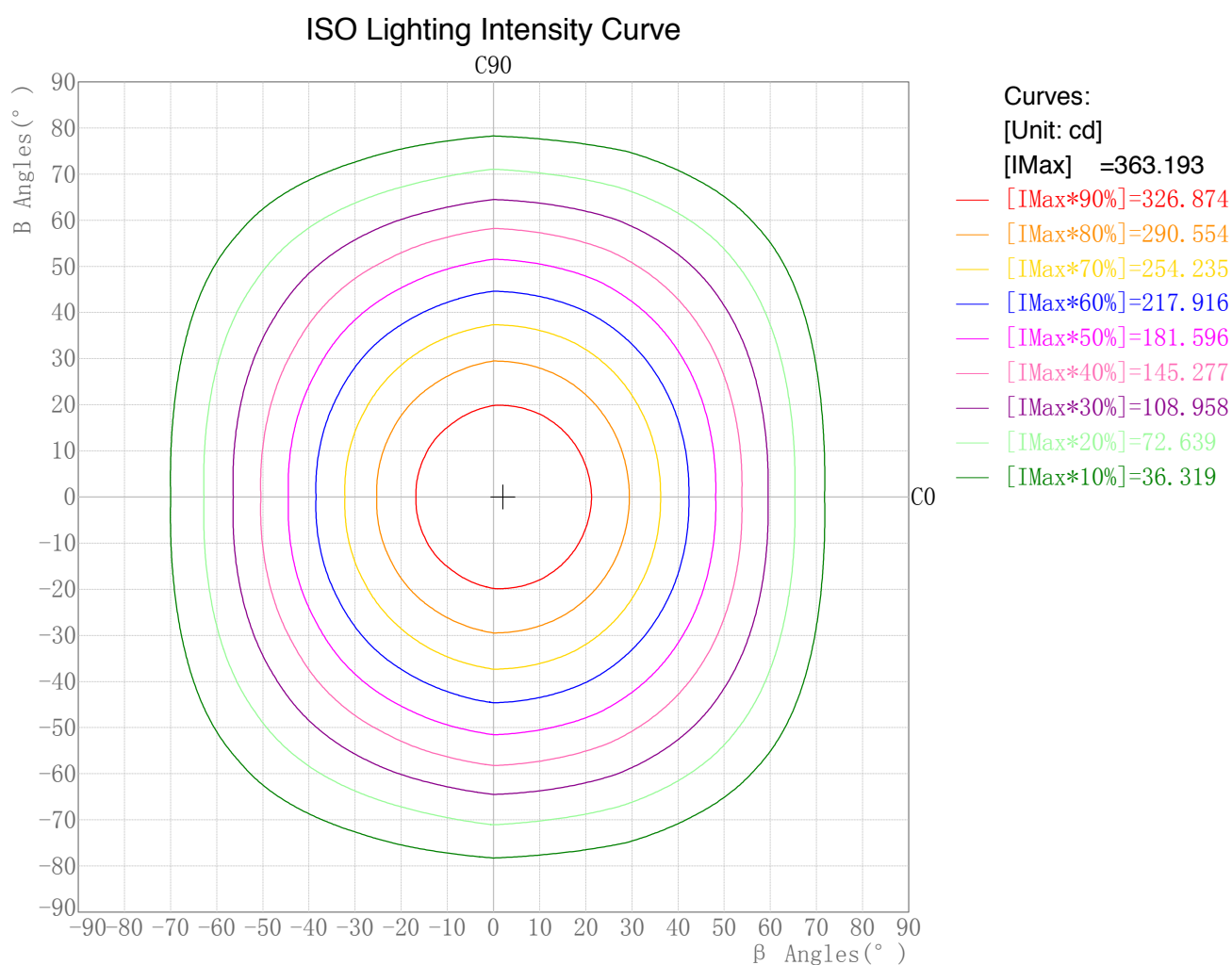
Photometric Report // SCDL

9W 4000K



Rectangle ISO Lighting Intensity Diagram

Lum. Name: SCDL - 9W - 4000K	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2018/01/04



Maximum Light Intensity(cd): 363.19

Maximum Cand.@Angle: H=2.0°;V=0.0°

Photometric Report // SCDL

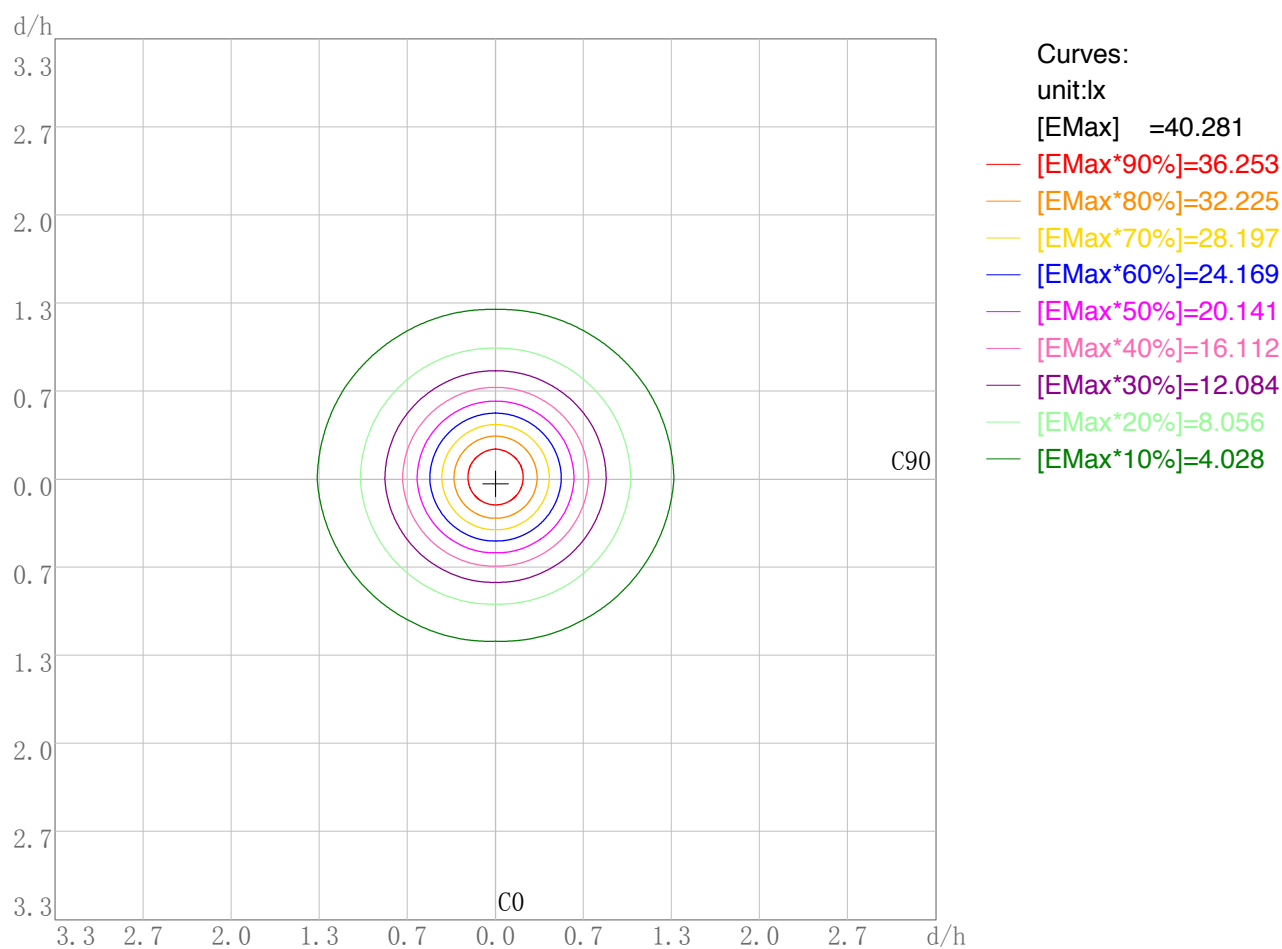
9W 4000K



Plane ISO-Illuminance Diagram

Lum. Name: SCDL - 9W - 4000K	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2018/01/04

Plane ISO-Illuminance Curve



Working Plane Luminaire Mounting Height(m): 3.00

Working Plane Maximum Illuminance(lx): 40.28

Working Plane Maximum Illuminance Position(d/h): H0.0 V0.0

Photometric Report // SCDL

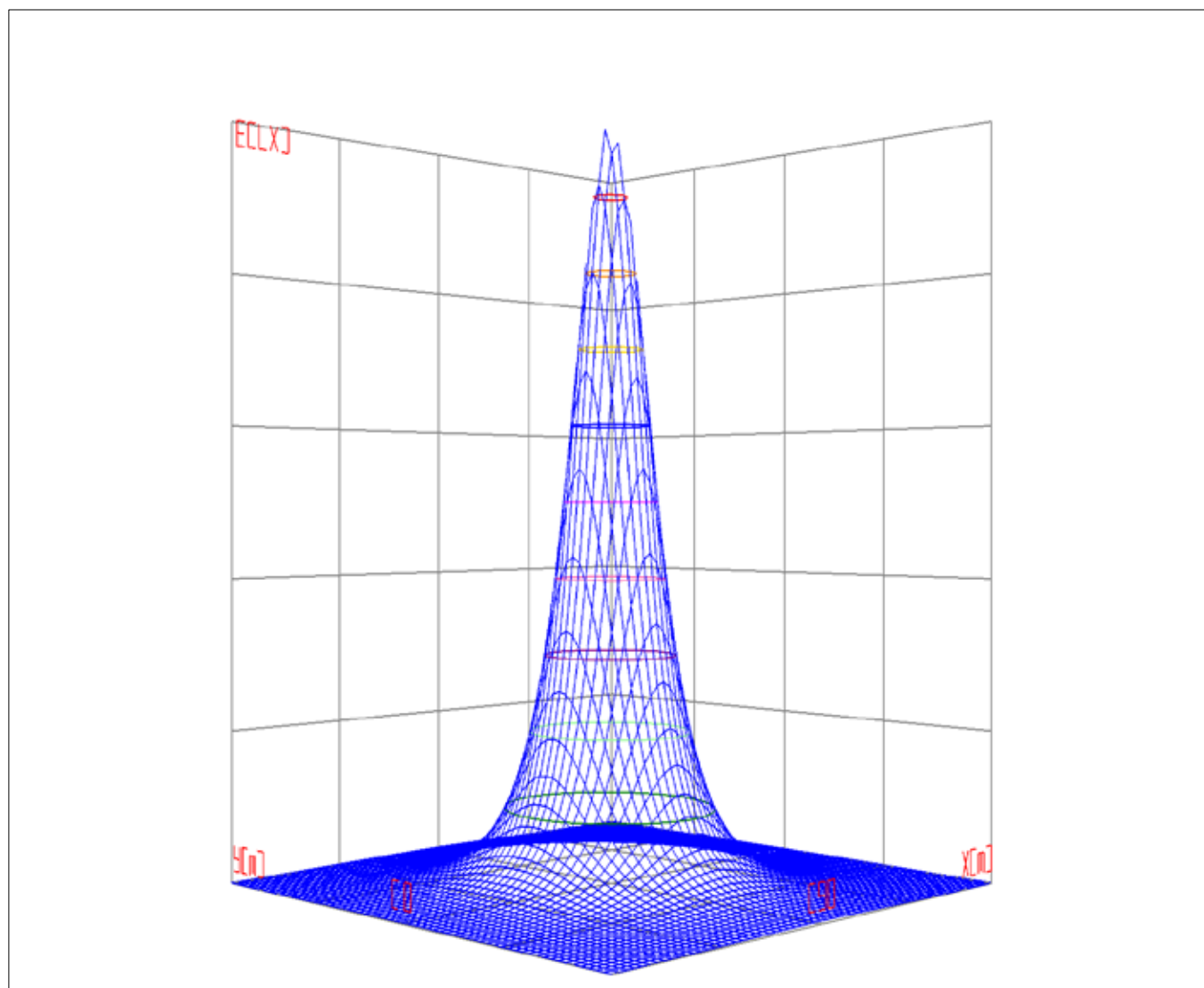
9W 4000K



3D Plane ISO Illuminance Diagram

Lum. Name: SCDL - 9W - 4000K	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2018/01/04

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

Photometric Report // SCDL

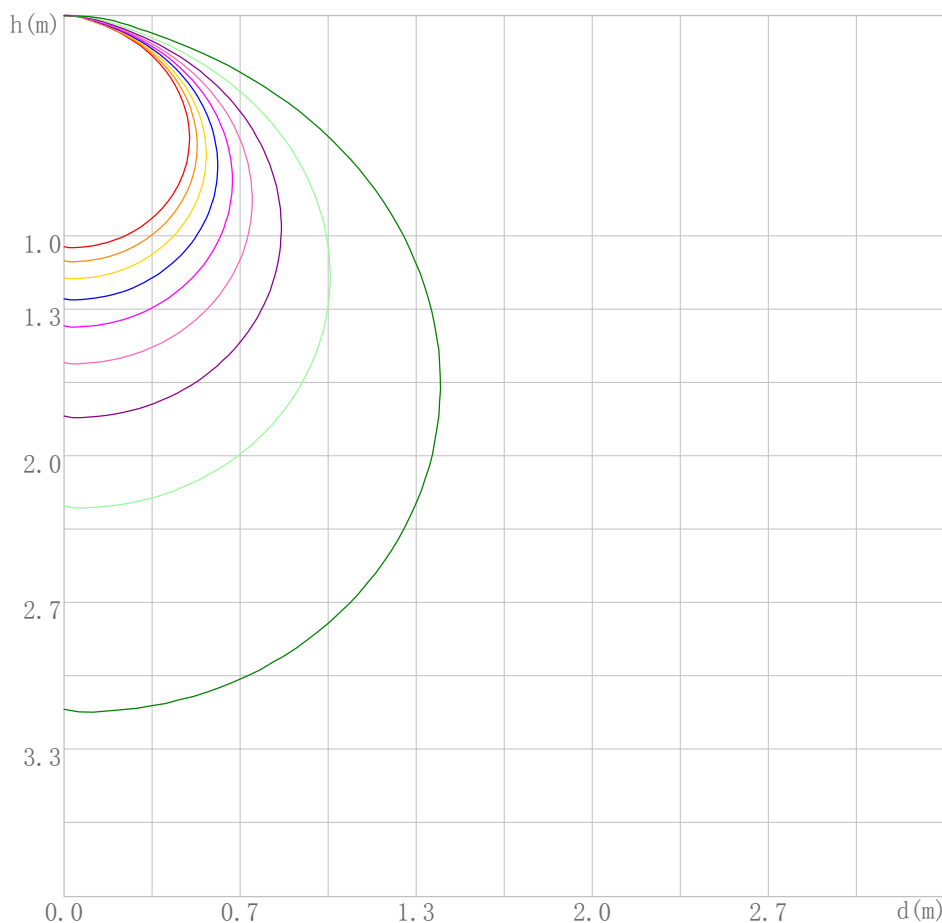
9W 4000K



Space ISO Illuminance Diagram

Lum. Name: SCDL - 9W - 4000K	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2018/01/04

Space ISO Illuminance Curve



Curves:

[Unit: lx]

[EMax] =362.530

— [EMax*90%]=326.277

— [EMax*80%]=290.024

— [EMax*70%]=253.771

— [EMax*60%]=217.518

— [EMax*50%]=181.265

— [EMax*40%]=145.012

— [EMax*30%]=108.759

— [EMax*20%]=72.506

— [EMax*10%]=36.253

Space Plane Maximum Illuminance and @Angle:362.53lx,2.0deg

Plane Maximum Lighting Intensity and @Angle:363.193cd,0deg

Photometric Report // SCDL

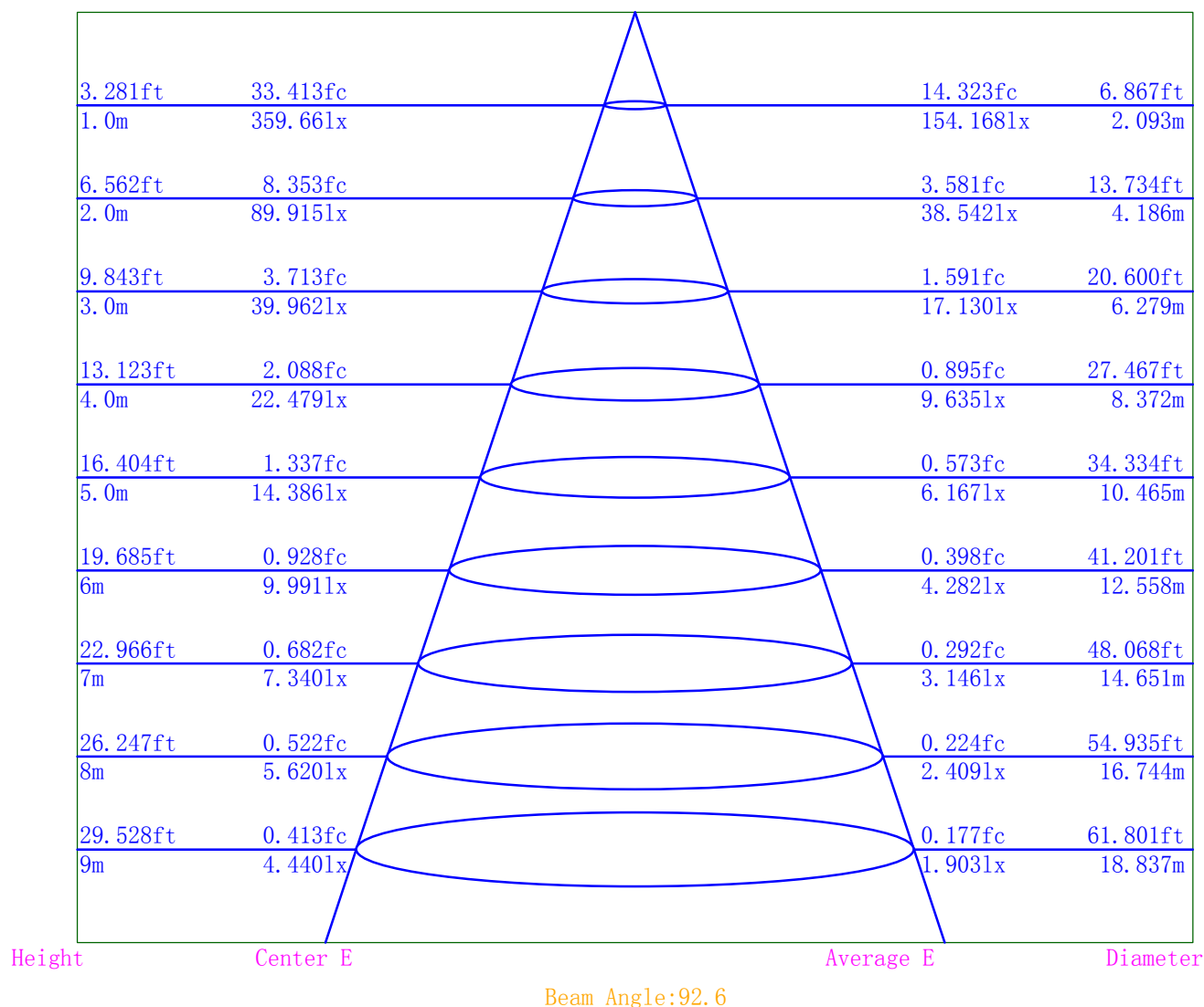
9W 4000K



Illuminance-Distance Diagram

Lum. Name: SCDL - 9W - 4000K	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2018/01/04

Illuminance-Distance Curve



Photometric Report // SCDL

9W 4000K



Indoor Luminance Limiting Curves

Lum. Name: SCDL - 9W - 4000K	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2018/01/04

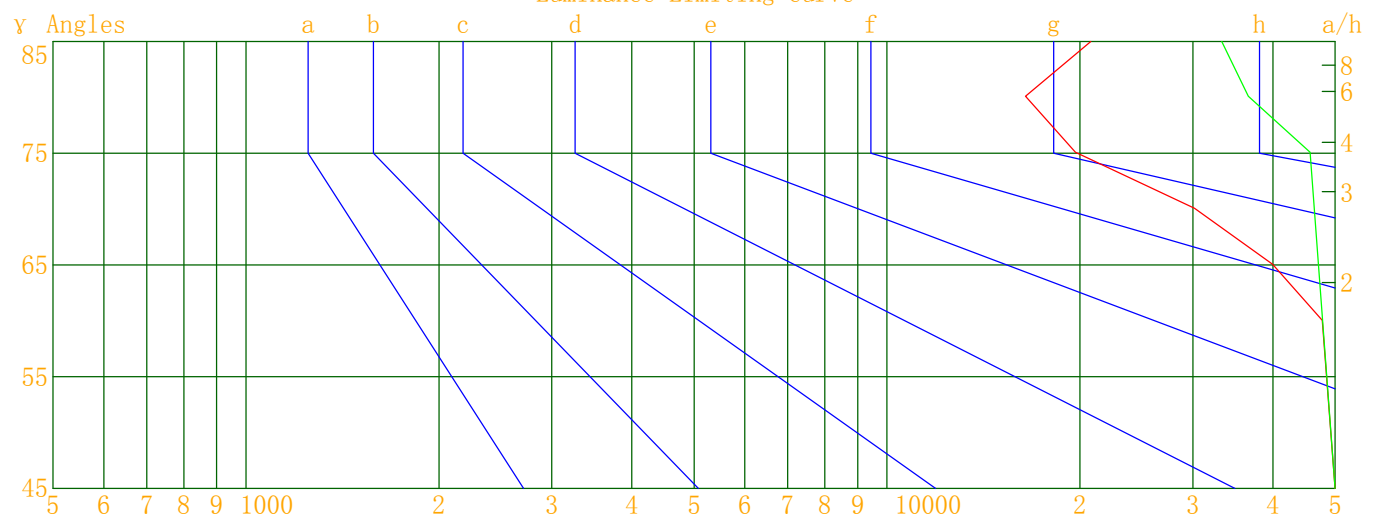
Glare Grade Table

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	64452	59677	54447	47761	39972	30194	19675	16453	20793
C90	69079	66939	64532	60943	56826	51857	45727	36625	33272

Luminance Limiting Curve



Luminous Size: Length(m)=-0.075 Width(m)=-0.075 Height(m)=0.000 Area(m²)=0.004418
 Luminous Type: Without Luminous Side
 Luminous Curves: C0-C180 Color: — C90-C270 Color: —

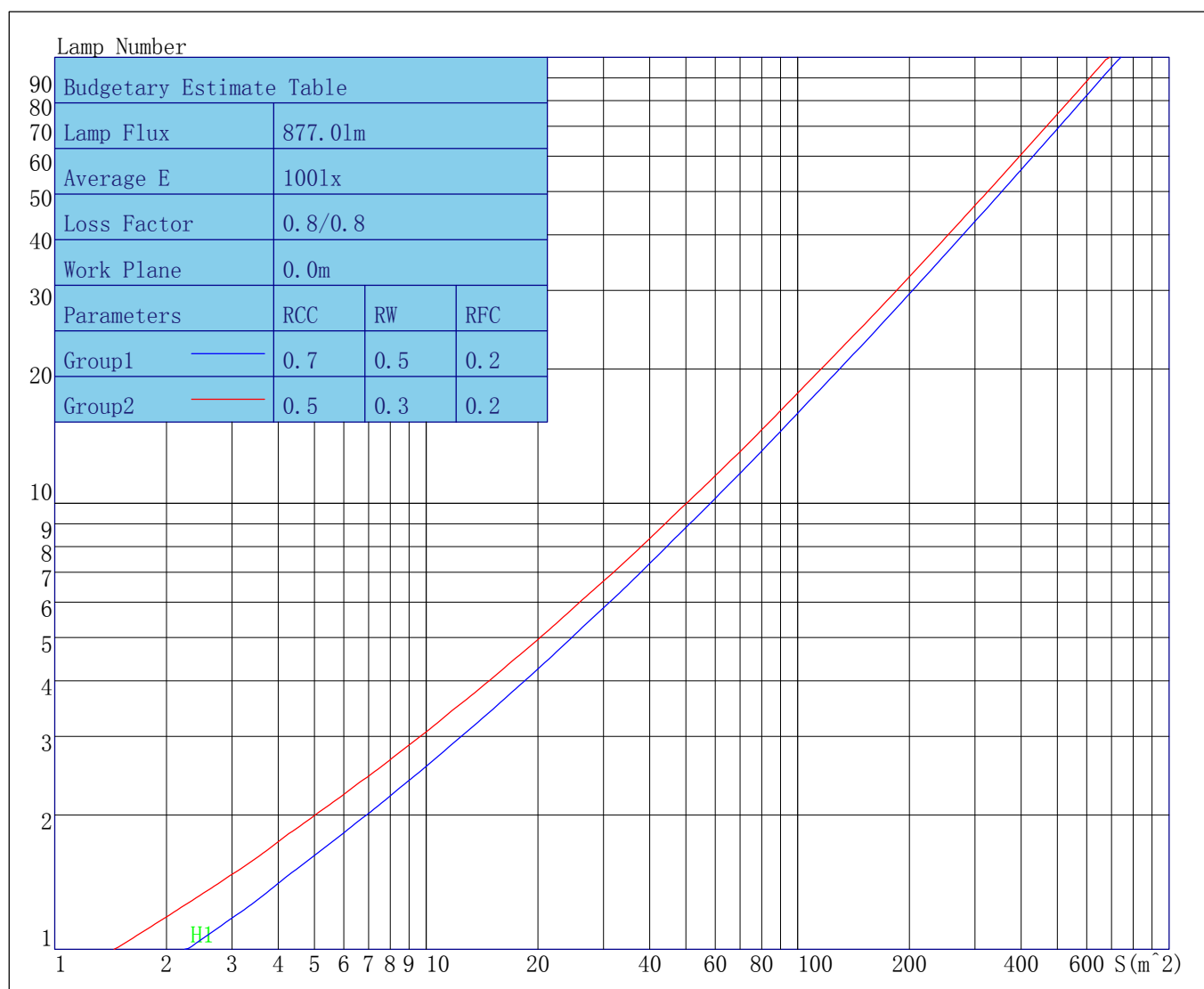
Photometric Report // SCDL

9W 4000K



Indoor Budgetary Estimate Table

Lum. Name: SCDL - 9W - 4000K	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2018/01/04



Parameters1: Rhocc = 0.7 Rhow = 0.5 Rhofc = 0.2 LLF = 0.8
 Parameters2: Rhocc = 0.5 Rhow = 0.3 Rhofc = 0.2 LLF = 0.8
 Average Illuminance(lx): 100 Cavity Height: H1(m) = 2

Indoor Coefficient of Utilization Table

Lum. Name: SCDL - 9W - 4000K	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2018/01/04

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	109	109	109	104	104	104	99	99	99	97
1	109	105	101	97	106	102	99	95	97	94	92	93	91	88	89	87	85	83
2	100	92	86	81	97	90	84	79	86	81	77	82	78	75	79	76	73	71
3	92	82	74	68	89	80	73	67	76	71	66	73	68	64	70	66	63	60
4	84	73	65	58	82	71	64	58	68	62	57	66	60	55	63	58	54	52
5	78	65	57	51	75	64	56	50	62	55	49	59	53	49	57	52	48	46
6	72	59	51	44	70	58	50	44	56	49	44	54	48	43	52	47	42	40
7	67	54	45	39	65	53	45	39	51	44	39	49	43	38	48	42	38	36
8	62	49	41	35	61	48	41	35	47	40	35	45	39	34	44	38	34	32
9	58	45	37	32	57	45	37	32	43	36	32	42	36	31	41	35	31	29
10	55	42	34	29	53	41	34	29	40	33	29	39	33	28	38	32	28	26

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9W 4000K



Unified Glare Rating Table

Lum. Name: SCDL - 9W - 4000K	Lum. Catalog:	Test ID:
Lamp Name:	Lamp Catalog:	Test Lab:
Manufacture:	Test Machine: GON-2000	Test Date: 2018/01/04

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	26.0	27.5	26.5	27.9	28.3	26.7	28.1	27.1	28.5	28.9
	26.9	28.2	27.3	28.6	29.1	28.0	29.4	28.5	29.8	30.2
	27.1	28.3	27.5	28.8	29.2	28.6	29.8	29.0	30.2	30.7
	27.1	28.3	27.6	28.7	29.2	28.9	30.1	29.4	30.5	30.9
	27.2	28.3	27.6	28.7	29.2	29.0	30.1	29.5	30.5	31.0
	27.2	28.2	27.7	28.7	29.2	29.1	30.1	29.5	30.6	31.1
X=4H Y=2H	26.7	28.0	27.2	28.4	28.9	27.1	28.4	27.6	28.8	29.3
	27.8	28.8	28.2	29.3	29.7	28.7	29.7	29.1	30.2	30.6
	28.0	28.9	28.5	29.4	29.9	29.3	30.2	29.8	30.7	31.2
	28.1	28.9	28.6	29.4	29.9	29.7	30.5	30.2	31.0	31.6
	28.1	28.9	28.6	29.4	29.9	29.9	30.6	30.4	31.1	31.7
	28.2	28.8	28.7	29.4	29.9	30.0	30.6	30.5	31.2	31.7
X=8H Y=4H	28.2	28.9	28.7	29.4	30.0	29.4	30.1	29.9	30.6	31.2
	28.3	28.9	28.9	29.5	30.1	29.9	30.5	30.4	31.1	31.7
	28.4	28.9	29.0	29.5	30.1	30.1	30.6	30.6	31.2	31.8
	28.5	29.0	29.0	29.5	30.2	30.3	30.8	30.8	31.3	31.9
X=12H Y=4H	28.2	28.9	28.7	29.4	30.0	29.3	30.0	29.9	30.5	31.1
	28.4	28.9	28.9	29.4	30.1	29.9	30.4	30.4	31.0	31.6
	28.5	28.9	29.0	29.5	30.1	30.1	30.6	30.7	31.1	31.8
Variations with the objerver position at spacings										
S=1.0H	0.5/-0.5					0.5/-0.6				
S=1.5H	1.5/-1.5					0.9/-1.0				
S=2.0H	2.2/-2.8					1.3/-1.5				
Reduced UGR Table:										
Nordic Standard Table:	BK0					BK0				
Correction Value	1.6					2.2				

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

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9W 4000K



Candela Tabulation

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0
Y 0.0	359.66	359.66	359.66	359.66	359.66	359.66	359.66
Y 1.0	362.51	360.68	360.70	359.15	359.05	358.16	357.93
Y 2.0	363.19	360.77	360.05	358.80	358.33	357.53	357.53
Y 3.0	362.81	360.60	360.41	358.59	357.99	356.82	356.49
Y 4.0	362.66	360.88	359.98	357.70	357.18	356.15	355.91
Y 5.0	362.80	360.01	359.10	357.28	356.43	354.82	354.59
Y 6.0	362.08	359.78	358.34	355.96	355.05	353.96	353.73
Y 7.0	361.59	358.87	357.37	355.18	353.72	352.48	352.15
Y 8.0	360.24	358.17	356.66	353.79	352.22	351.05	350.67
Y 9.0	359.48	357.00	355.17	352.39	350.68	349.42	348.92
Y 10.0	357.95	355.27	353.72	350.99	349.07	347.18	346.61
Y 11.0	356.49	353.64	351.90	349.42	347.26	345.01	344.46
Y 12.0	354.36	352.04	350.21	347.07	344.55	342.83	342.18
Y 13.0	352.32	349.71	347.93	345.24	342.38	339.58	339.45
Y 14.0	350.26	347.43	345.63	343.05	339.91	337.08	336.14
Y 15.0	347.20	345.16	343.31	340.37	336.79	334.42	333.34
Y 16.0	344.83	342.41	340.74	337.99	334.18	330.91	330.13
Y 17.0	342.06	339.49	337.71	335.49	331.37	327.67	325.96
Y 18.0	338.43	336.88	334.83	332.35	327.47	324.50	322.61
Y 19.0	335.20	333.60	331.99	329.46	324.23	320.43	318.87
Y 20.0	331.94	329.83	328.42	326.36	320.77	316.55	314.44
Y 21.0	327.77	326.67	325.22	322.89	316.84	312.77	310.42
Y 22.0	324.29	322.92	321.89	319.58	313.09	308.29	306.37
Y 23.0	320.38	318.84	317.89	316.18	309.44	304.23	301.21
Y 24.0	315.88	314.99	313.94	312.26	305.15	299.61	296.68
Y 25.0	311.89	310.97	310.43	308.51	300.76	294.94	292.16
Y 26.0	307.14	306.15	305.97	304.93	296.64	290.53	286.96
Y 27.0	302.59	302.25	301.96	300.98	292.32	285.83	281.77
Y 28.0	297.94	297.47	297.88	296.36	287.67	280.41	277.07
Y 29.0	292.82	292.48	293.05	292.58	283.33	275.75	271.67
Y 30.0	287.73	287.91	288.73	288.30	278.44	270.73	266.13
Y 31.0	282.76	283.11	284.42	283.56	273.30	265.17	260.88
Y 32.0	277.71	277.70	279.83	279.43	268.80	259.97	255.51
Y 33.0	271.95	272.81	274.85	274.86	263.74	254.95	249.47
Y 34.0	266.89	267.93	270.31	270.01	258.48	248.93	244.03
Y 35.0	261.41	262.28	265.52	265.56	253.79	243.72	238.41
Y 36.0	255.38	257.20	260.11	260.71	248.48	238.24	232.17
Y 37.0	249.77	251.85	255.46	255.71	243.24	232.40	226.57
Y 38.0	244.00	246.24	250.40	251.29	238.27	227.04	221.02
Y 39.0	237.84	240.63	244.91	246.04	232.77	221.22	214.44
Y 40.0	232.43	235.10	239.93	240.96	227.24	215.51	208.51
Y 41.0	226.16	229.49	234.83	236.30	222.17	209.91	202.64
Y 42.0	219.88	223.69	229.18	231.11	216.54	203.88	196.37
Y 43.0	214.24	218.17	223.98	225.84	211.01	198.11	190.37
Y 44.0	207.65	212.14	218.76	221.29	205.97	192.52	184.41
Y 45.0	201.34	206.33	213.02	215.80	200.13	186.35	178.12
Y 46.0	195.50	200.73	207.68	210.75	194.60	180.52	171.89

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9W 4000K



Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0
Y 47.0	188.88	194.71	202.62	205.77	189.44	174.95	166.07
Y 48.0	182.57	188.55	197.37	200.15	183.93	168.54	160.14
Y 49.0	176.33	182.96	191.29	195.05	177.98	162.79	153.55
Y 50.0	169.47	176.79	186.17	190.09	172.64	157.19	147.83
Y 51.0	163.33	170.69	180.70	184.37	167.02	150.82	141.69
Y 52.0	157.34	165.01	174.65	179.35	161.25	145.13	135.17
Y 53.0	150.37	158.80	169.28	174.27	156.05	139.49	129.54
Y 54.0	144.16	152.70	163.93	168.87	150.45	133.46	123.46
Y 55.0	137.97	146.93	158.02	163.52	144.48	127.69	117.11
Y 56.0	131.47	140.80	152.32	158.36	139.26	121.93	111.18
Y 57.0	124.78	134.73	146.98	152.22	133.57	115.96	105.62
Y 58.0	118.60	128.62	140.91	146.65	127.74	110.48	99.39
Y 59.0	112.32	122.66	135.20	140.59	122.59	104.70	93.67
Y 60.0	105.50	116.56	129.86	134.62	116.73	98.76	88.01
Y 61.0	99.44	110.56	123.61	129.14	110.83	93.54	81.99
Y 62.0	93.16	104.81	117.78	123.39	105.50	88.16	76.46
Y 63.0	86.53	98.36	112.17	117.08	99.33	82.03	71.31
Y 64.0	80.83	92.37	106.38	111.71	93.65	77.05	65.96
Y 65.0	74.63	86.81	100.11	106.10	88.12	71.57	60.19
Y 66.0	68.06	80.27	94.37	99.83	82.17	65.94	55.13
Y 67.0	62.55	74.33	88.70	94.78	76.50	61.00	50.15
Y 68.0	56.41	68.94	82.07	89.22	71.25	55.76	44.95
Y 69.0	50.57	62.78	76.42	83.40	65.41	50.40	40.79
Y 70.0	45.62	56.97	71.12	78.36	60.08	45.91	36.22
Y 71.0	40.32	51.47	64.87	73.00	55.26	40.93	31.56
Y 72.0	35.05	45.38	59.24	67.42	50.10	36.23	27.88
Y 73.0	30.57	39.64	54.29	62.90	45.14	32.19	24.42
Y 74.0	26.34	34.56	48.79	57.33	41.05	27.42	20.74
Y 75.0	22.50	28.93	44.10	52.29	36.86	23.37	18.09
Y 76.0	19.51	23.92	39.88	47.64	33.07	19.91	15.83
Y 77.0	17.13	19.77	35.48	42.33	29.69	16.09	13.72
Y 78.0	14.78	16.00	31.51	37.55	26.27	13.68	12.28
Y 79.0	13.65	13.42	28.68	33.13	23.85	12.22	11.59
Y 80.0	12.62	12.31	25.83	28.10	21.38	10.57	10.42
Y 81.0	11.30	11.40	22.62	23.98	18.65	9.68	9.45
Y 82.0	10.58	9.95	20.39	20.93	16.59	9.09	8.92
Y 83.0	10.05	9.35	18.00	17.50	14.94	7.68	7.87
Y 84.0	8.63	8.74	15.14	15.06	12.16	7.14	6.91
Y 85.0	8.01	7.23	13.10	12.81	10.78	6.49	6.40
Y 86.0	7.34	6.50	10.73	9.68	8.90	5.22	5.56
Y 87.0	6.03	5.99	8.17	7.61	6.58	4.93	4.62
Y 88.0	4.76	4.74	5.89	5.84	5.20	4.56	4.27
Y 89.0	4.31	4.06	4.95	4.29	4.51	3.93	3.87
Y 90.0	3.65	4.31	4.09	4.13	3.79	4.35	3.55
Y 91.0	3.38	3.95	3.75	4.00	3.99	4.13	4.05
Y 92.0	3.93	3.70	4.19	3.75	4.10	3.79	3.82
Y 93.0	3.80	4.17	3.97	4.20	3.88	4.28	3.55

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9W 4000K



Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0
Y 94.0	3.50	3.91	3.81	3.83	4.13	3.95	4.04
Y 95.0	3.82	3.70	4.26	3.78	4.06	3.77	3.82
Y 96.0	3.99	4.15	4.20	4.05	3.82	4.25	3.63
Y 97.0	3.66	4.24	3.75	4.20	4.21	4.03	3.87
Y 98.0	3.80	3.69	4.09	3.63	4.06	3.67	3.73
Y 99.0	4.02	3.84	4.05	4.31	3.72	4.14	3.58
Y 100.0	3.58	3.96	3.54	4.14	4.34	3.88	4.10
Y 101.0	3.63	3.60	3.88	3.76	3.85	3.79	3.88
Y 102.0	3.94	3.80	4.14	4.35	3.78	4.02	3.61
Y 103.0	3.76	4.22	3.82	4.23	4.36	3.87	4.13
Y 104.0	3.62	3.73	3.84	3.78	4.19	3.80	4.14
Y 105.0	3.98	3.67	4.11	4.11	3.84	4.10	3.71
Y 106.0	3.83	4.07	3.90	3.93	4.27	3.87	4.16
Y 107.0	3.69	3.90	3.79	3.91	4.15	4.16	4.18
Y 108.0	3.77	3.66	4.34	4.12	3.95	4.22	3.85
Y 109.0	3.95	3.90	3.91	3.94	4.49	3.71	4.13
Y 110.0	3.59	3.99	3.79	3.88	4.20	4.00	4.09
Y 111.0	3.74	3.81	4.13	4.42	4.10	4.32	3.73
Y 112.0	4.04	4.12	4.37	3.92	4.31	3.84	4.02
Y 113.0	3.91	3.93	3.96	4.19	4.17	4.32	4.11
Y 114.0	3.90	3.72	4.31	4.36	4.15	4.43	3.79
Y 115.0	4.22	4.19	4.51	4.02	4.45	3.85	4.13
Y 116.0	3.88	4.38	3.90	3.97	4.15	4.01	4.33
Y 117.0	3.87	3.72	4.43	4.49	4.20	4.47	3.87
Y 118.0	4.10	4.03	4.33	3.95	4.54	4.11	4.27
Y 119.0	4.25	4.26	3.94	4.08	4.05	4.23	4.29
Y 120.0	3.91	3.82	4.04	4.65	3.85	4.39	3.97
Y 121.0	4.12	4.24	4.50	4.24	4.58	4.13	4.48
Y 122.0	4.22	4.32	4.21	4.15	4.14	4.28	4.05
Y 123.0	3.95	4.02	4.09	4.61	4.11	4.51	4.05
Y 124.0	4.27	4.02	4.61	4.52	4.76	4.06	4.62
Y 125.0	4.55	4.49	4.27	4.38	4.28	4.50	4.18
Y 126.0	4.09	4.26	4.09	4.74	4.34	4.49	4.19
Y 127.0	4.27	3.93	4.53	4.64	4.74	4.20	4.76
Y 128.0	4.62	4.54	4.68	4.48	4.43	4.66	4.67
Y 129.0	4.21	4.25	4.08	4.79	4.25	4.37	4.05
Y 130.0	4.07	4.24	4.93	4.59	4.57	4.41	4.77
Y 131.0	4.41	4.64	4.68	4.28	4.55	4.74	4.46
Y 132.0	4.40	4.71	4.41	4.84	4.64	4.69	4.46
Y 133.0	4.12	4.18	4.84	4.57	4.76	4.39	4.82
Y 134.0	4.48	4.78	4.80	4.58	4.61	4.81	4.48
Y 135.0	4.64	4.72	4.39	4.78	4.73	4.91	4.57
Y 136.0	4.36	4.33	4.70	4.72	4.90	4.41	4.95
Y 137.0	4.52	5.04	4.75	4.48	4.58	4.93	4.38
Y 138.0	4.77	4.91	4.53	4.91	4.95	4.89	4.85
Y 139.0	4.39	4.58	4.70	4.93	5.03	4.48	5.05
Y 140.0	4.63	4.90	4.88	4.57	4.61	4.62	4.64

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9W 4000K



Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0	C120.0	C150.0	C180.0
Y 141.0	4.84	4.88	4.54	4.80	4.82	4.98	4.96
Y 142.0	4.69	4.53	5.00	5.05	4.95	4.69	5.11
Y 143.0	4.43	4.91	4.88	4.61	4.64	4.89	4.71
Y 144.0	4.91	5.11	4.64	4.87	5.14	5.14	4.93
Y 145.0	4.89	4.73	5.02	5.14	5.21	4.53	5.13
Y 146.0	4.70	5.00	5.15	4.86	4.74	4.68	4.58
Y 147.0	5.03	5.01	4.76	5.00	5.00	5.26	4.95
Y 148.0	4.97	4.85	4.99	5.17	5.15	4.84	5.10
Y 149.0	4.69	5.12	5.03	4.95	4.70	4.80	4.88
Y 150.0	4.97	5.07	4.83	5.01	4.99	5.13	5.16
Y 151.0	5.02	4.74	5.01	5.32	5.34	5.04	5.03
Y 152.0	4.79	5.11	5.17	5.06	5.11	4.85	4.97
Y 153.0	4.96	5.11	4.78	5.15	5.09	5.49	5.17
Y 154.0	5.06	4.82	5.16	5.34	5.36	5.35	5.21
Y 155.0	5.00	5.39	5.27	5.19	5.13	5.07	4.92
Y 156.0	5.03	5.15	4.82	5.14	5.12	5.46	5.44
Y 157.0	5.38	4.97	5.32	5.37	5.48	5.42	5.08
Y 158.0	5.05	5.50	5.54	5.22	5.10	5.08	5.09
Y 159.0	5.01	5.56	4.87	4.99	5.22	5.21	5.61
Y 160.0	5.41	4.91	5.35	5.41	5.66	5.50	5.08
Y 161.0	5.23	5.38	5.46	5.39	5.11	5.01	5.08
Y 162.0	5.15	5.40	4.77	4.97	5.27	5.36	5.54
Y 163.0	5.16	5.04	5.21	5.39	5.53	5.61	5.58
Y 164.0	5.26	5.56	5.45	5.48	5.27	5.21	5.20
Y 165.0	5.04	5.28	5.00	5.36	5.28	5.14	5.53
Y 166.0	5.51	5.10	5.33	5.42	5.48	5.51	5.46
Y 167.0	5.29	5.56	5.56	5.60	5.33	5.32	5.13
Y 168.0	5.25	5.37	5.20	5.30	5.27	5.28	5.63
Y 169.0	5.52	5.18	5.60	5.31	5.60	5.78	5.42
Y 170.0	5.56	5.65	5.42	5.73	5.45	5.55	5.40
Y 171.0	5.32	5.16	5.26	5.29	5.37	5.59	5.81
Y 172.0	5.14	5.46	5.19	5.51	5.11	5.36	5.61
Y 173.0	5.41	5.11	5.21	5.37	5.33	5.54	5.73
Y 174.0	5.15	5.24	5.18	5.61	5.36	5.35	5.69
Y 175.0	5.80	5.64	5.70	5.41	5.73	5.60	5.19
Y 176.0	5.36	5.51	5.24	5.72	5.38	5.42	5.78
Y 177.0	5.72	5.64	5.69	5.67	5.71	5.76	5.28
Y 178.0	5.24	5.36	5.52	5.36	5.43	5.53	5.65
Y 179.0	5.61	5.21	5.28	5.78	5.69	5.64	5.38
Y 180.0	5.52	5.52	5.52	5.52	5.52	5.52	5.52