IES Indoor Report
Photometric Filename:HB150ME4I-CM 30X90.IES

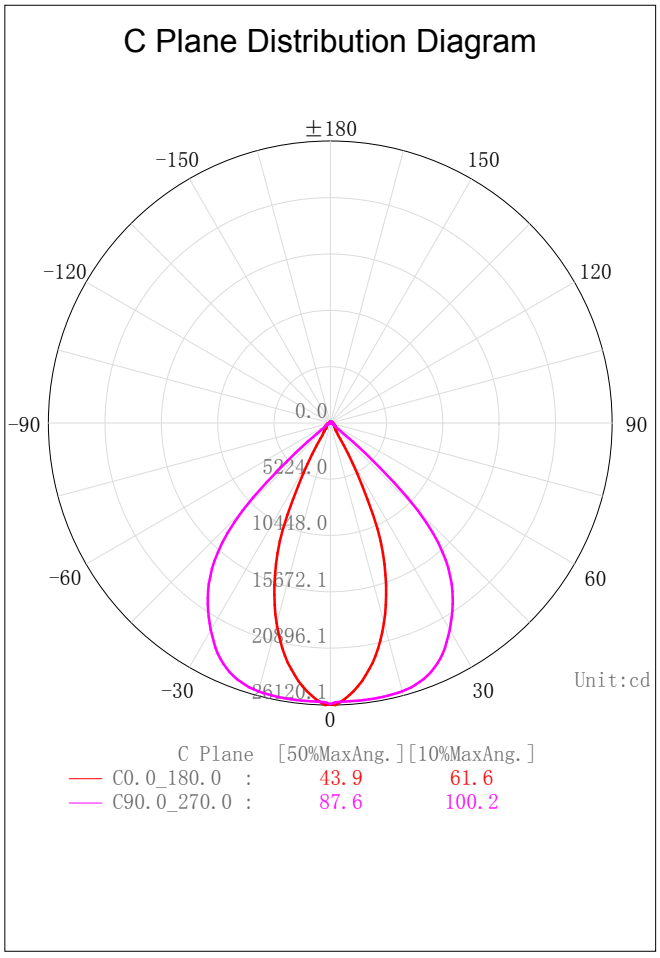
Indoor Luminaire Photometric Data

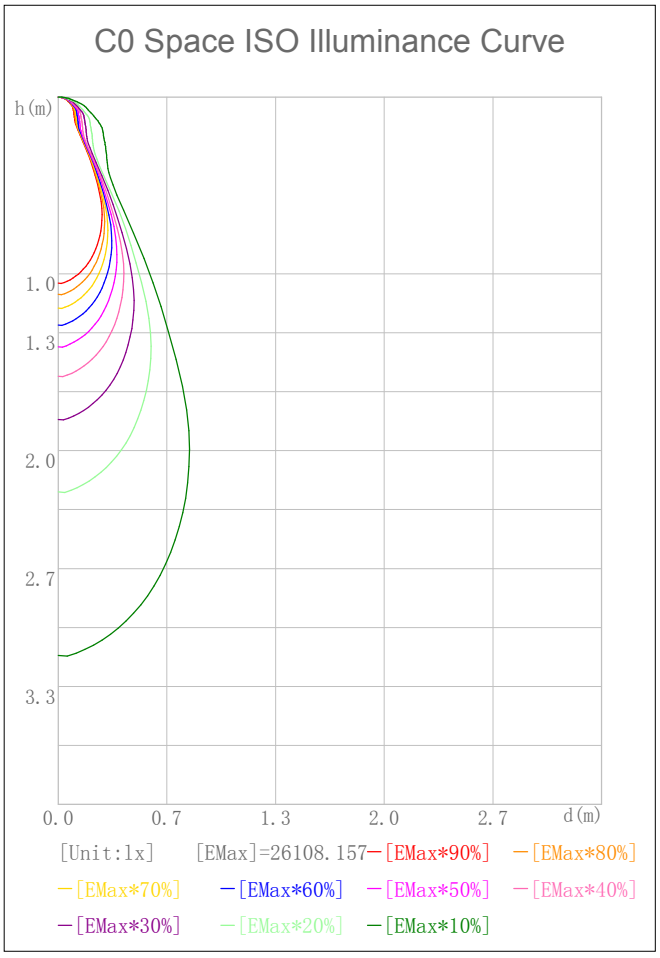
Description Information

Luminary Name: HB150ME4I-CM 30X90		Lum. Catelog: LED HIGH BAY-Mild	Test ID:
Lamp Name:		Lamp Catelog: CREE3030	Test Date: 2020/05/16
Manufacture:		Shld.Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency(Hz):	Lamp CCT(K): Ra:
Lum.Size(W*L*H):0.362m*0.487m*0.120m		Lum.Area(m2):0.235	Lum.W(kg): 0.000
Test System: C, γ	Test Step: C=30.0 γ=1.0	Temp.(℃): 25	Humidity(%): 50.0

Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm):	24000.000	Luminary Flux(lm): 23880.232	Field Angle(10%Imax): 61.6(°)
Rated Power(W):		Luminary Efficiency: 99.50%	Down Lumens&Percent: 23414.6941m 98.05%
Rated Voltage(V):		Luminary EER(lm/W): 158.252	Up Lumens&Percent: 465.5381m 1.95%
Tested Power(W):	150.900	Max.Candela(cd): 26120.090	S/MH: C0_a180=0.705 C90_270=1.244
Lamps' Inside:	1	Max Cand@Ang.(°): C=0.0 γ=1.0	CIE Type: Semi-Direct
Tested Electrics(V,A,pf):222.4,0.669,0.986		Beam Angle(50%Imax): 43.9(°)	ErP Φuse(90°): 21723.274lm
Lamp Size(W*L*H):0.362m*0.487m*0.120m		Left=-21.9°,Right=21.9°	IRF(%): 241.303



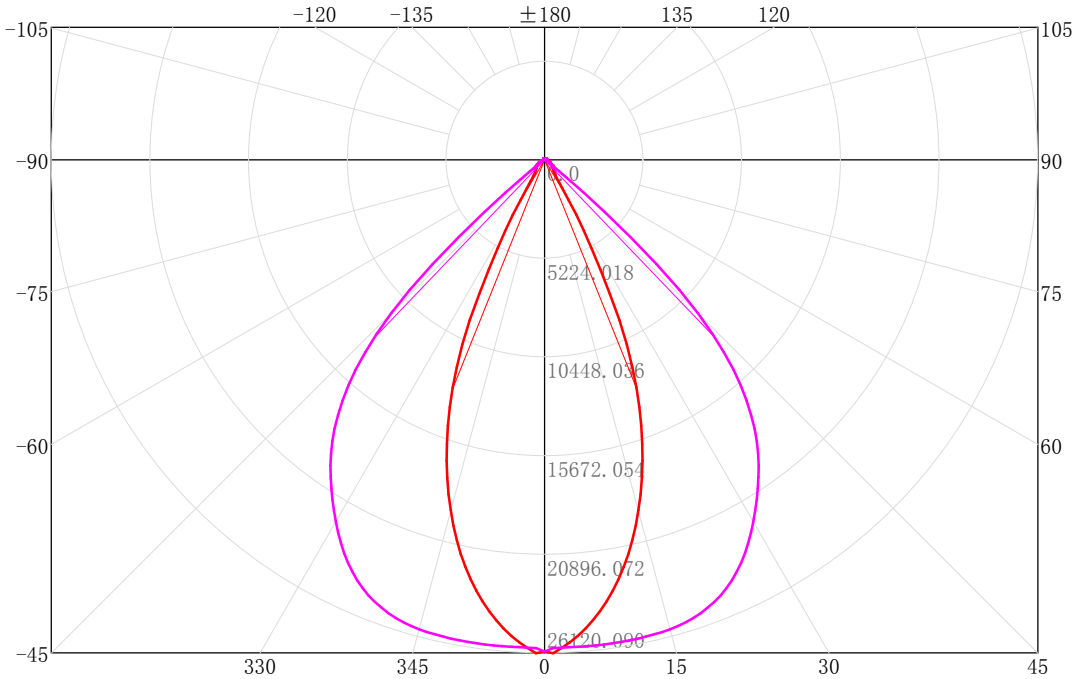


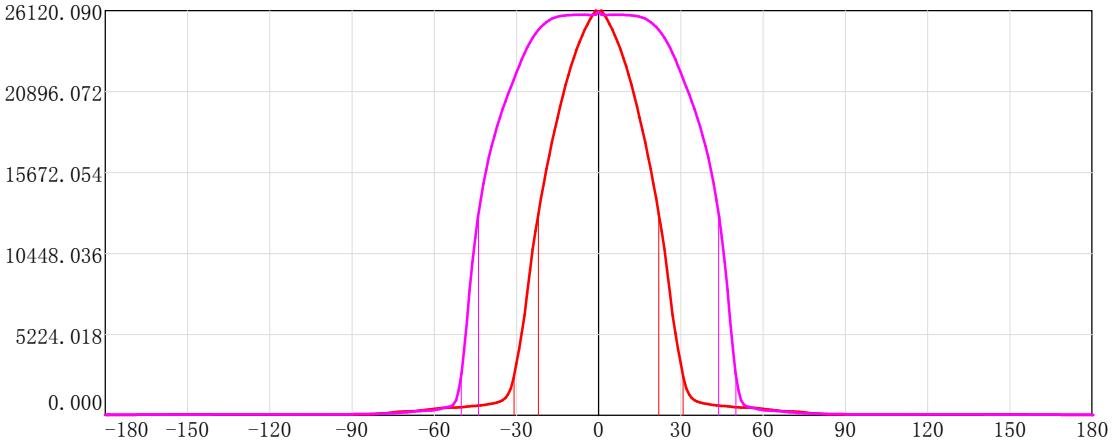
IES Indoor Report
Photometric Filename:HB150ME4I-CM 30X90.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HB150ME4I-CM 30X90	Lum.Catelog: LED HIGH BAY-Mil	Test ID:
Lamp Name:	Lamp Catelog: CREE3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/05/16

C Plane Distribution Diagram





C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
C0.0_180.0 :	43.9	61.6	
C90.0_270.0 :	87.6	100.2	

IES Indoor Report
Photometric Filename:HB150ME4I-CM 30X90.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	24.84	24.84	0.10	0.10	47.0-48.0	150.15	22274.53	0.63	92.81
1.0-2.0	74.09	98.93	0.31	0.41	48.0-49.0	117.76	22392.29	0.49	93.30
2.0-3.0	122.64	221.57	0.51	0.92	49.0-50.0	89.62	22481.90	0.37	93.67
3.0-4.0	170.38	391.94	0.71	1.63	50.0-51.0	68.19	22550.10	0.28	93.96
4.0-5.0	217.19	609.14	0.90	2.54	51.0-52.0	54.04	22604.13	0.23	94.18
5.0-6.0	262.94	872.08	1.10	3.63	52.0-53.0	46.00	22650.14	0.19	94.38
6.0-7.0	307.52	1179.60	1.28	4.92	53.0-54.0	41.94	22692.08	0.17	94.55
7.0-8.0	350.81	1530.41	1.46	6.38	54.0-55.0	39.72	22731.80	0.17	94.72
8.0-9.0	392.66	1923.07	1.64	8.01	55.0-56.0	38.14	22769.94	0.16	94.87
9.0-10.0	432.95	2356.02	1.80	9.82	56.0-57.0	36.63	22806.57	0.15	95.03
10.0-11.0	471.50	2827.53	1.96	11.78	57.0-58.0	35.06	22841.63	0.15	95.17
11.0-12.0	508.12	3335.65	2.12	13.90	58.0-59.0	33.52	22875.14	0.14	95.31
12.0-13.0	542.61	3878.26	2.26	16.16	59.0-60.0	32.08	22907.23	0.13	95.45
13.0-14.0	574.79	4453.05	2.39	18.55	60.0-61.0	30.76	22937.99	0.13	95.57
14.0-15.0	604.49	5057.54	2.52	21.07	61.0-62.0	29.51	22967.51	0.12	95.70
15.0-16.0	631.63	5689.17	2.63	23.70	62.0-63.0	28.32	22995.83	0.12	95.82
16.0-17.0	655.97	6345.14	2.73	26.44	63.0-64.0	27.17	23023.00	0.11	95.93
17.0-18.0	677.26	7022.40	2.82	29.26	64.0-65.0	26.02	23049.01	0.11	96.04
18.0-19.0	695.31	7717.70	2.90	32.16	65.0-66.0	24.85	23073.87	0.10	96.14
19.0-20.0	709.85	8427.55	2.96	35.11	66.0-67.0	23.72	23097.58	0.10	96.24
20.0-21.0	720.60	9148.16	3.00	38.12	67.0-68.0	22.64	23120.23	0.09	96.33
21.0-22.0	727.39	9875.54	3.03	41.15	68.0-69.0	21.61	23141.84	0.09	96.42
22.0-23.0	729.74	10605.28	3.04	44.19	69.0-70.0	20.58	23162.41	0.09	96.51
23.0-24.0	727.12	11332.40	3.03	47.22	70.0-71.0	19.59	23182.00	0.08	96.59
24.0-25.0	719.26	12051.66	3.00	50.22	71.0-72.0	18.65	23200.65	0.08	96.67
25.0-26.0	706.24	12757.90	2.94	53.16	72.0-73.0	17.72	23218.37	0.07	96.74
26.0-27.0	688.98	13446.88	2.87	56.03	73.0-74.0	16.78	23235.15	0.07	96.81
27.0-28.0	669.02	14115.90	2.79	58.82	74.0-75.0	15.83	23250.98	0.07	96.88
28.0-29.0	646.86	14762.76	2.70	61.51	75.0-76.0	14.93	23265.91	0.06	96.94
29.0-30.0	621.90	15384.66	2.59	64.10	76.0-77.0	14.08	23279.99	0.06	97.00
30.0-31.0	594.35	15979.01	2.48	66.58	77.0-78.0	13.29	23293.28	0.06	97.06
31.0-32.0	565.85	16544.86	2.36	68.94	78.0-79.0	12.57	23305.85	0.05	97.11
32.0-33.0	538.60	17083.46	2.24	71.18	79.0-80.0	11.92	23317.77	0.05	97.16
33.0-34.0	513.43	17596.89	2.14	73.32	80.0-81.0	11.32	23329.09	0.05	97.20
34.0-35.0	489.73	18086.62	2.04	75.36	81.0-82.0	10.81	23339.90	0.05	97.25
35.0-36.0	467.07	18553.68	1.95	77.31	82.0-83.0	10.39	23350.29	0.04	97.29
36.0-37.0	445.13	18998.81	1.85	79.16	83.0-84.0	10.03	23360.32	0.04	97.33
37.0-38.0	423.30	19422.11	1.76	80.93	84.0-85.0	9.69	23370.01	0.04	97.38
38.0-39.0	401.42	19823.53	1.67	82.60	85.0-86.0	9.36	23379.37	0.04	97.41
39.0-40.0	379.35	20202.88	1.58	84.18	86.0-87.0	9.10	23388.48	0.04	97.45
40.0-41.0	356.38	20559.26	1.48	85.66	87.0-88.0	8.91	23397.38	0.04	97.49
41.0-42.0	331.88	20891.14	1.38	87.05	88.0-89.0	8.74	23406.12	0.04	97.53
42.0-43.0	305.76	21196.90	1.27	88.32	89.0-90.0	8.57	23414.69	0.04	97.56
43.0-44.0	277.96	21474.86	1.16	89.48	90.0-91.0	8.42	23423.12	0.04	97.60
44.0-45.0	248.42	21723.27	1.04	90.51	91.0-92.0	8.29	23431.41	0.03	97.63
45.0-46.0	217.10	21940.37	0.90	91.42	92.0-93.0	8.17	23439.57	0.03	97.66
46.0-47.0	184.01	22124.38	0.77	92.18	93.0-94.0	8.05	23447.63	0.03	97.70

IES Indoor Report
Photometric Filename:HB150ME4I-CM 30X90.IES

Zonal Flux Tabulation - (Cont.)

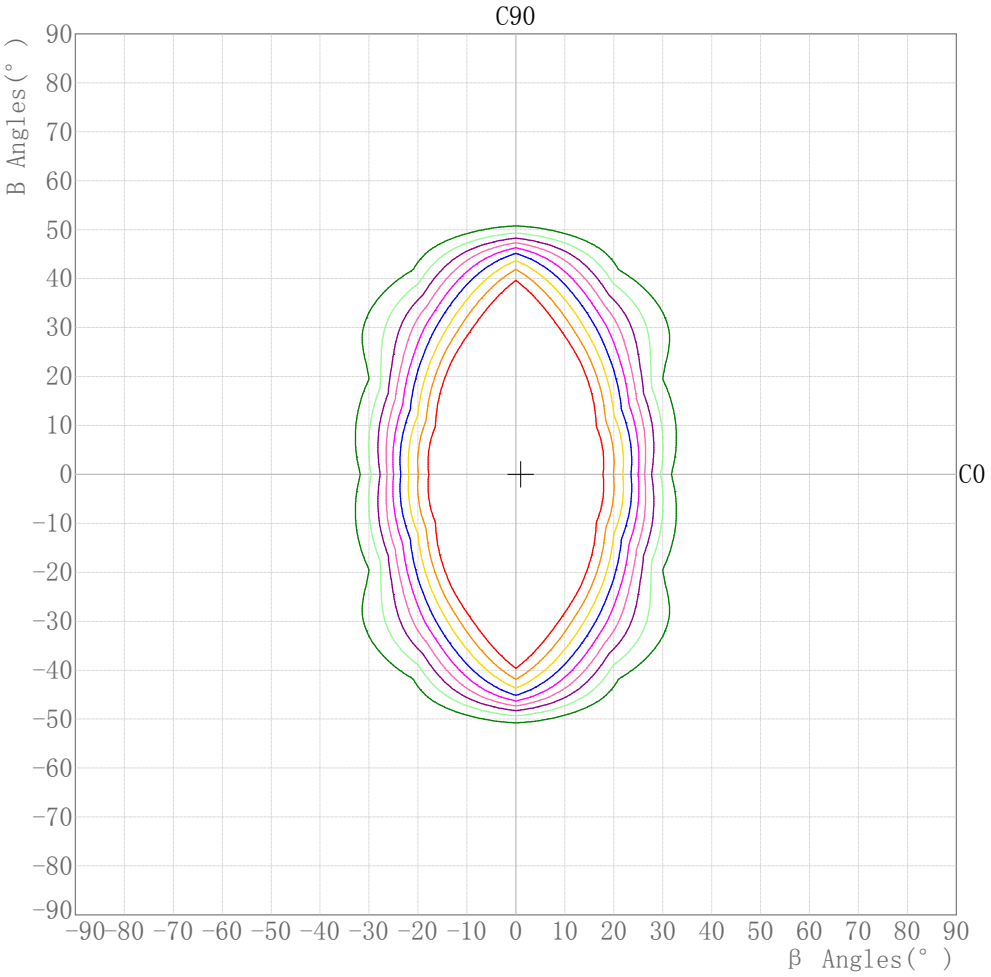
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
94.0-95.0	7.95	23455.57	0.03	97.73
95.0-96.0	7.85	23463.43	0.03	97.76
96.0-97.0	7.77	23471.20	0.03	97.80
97.0-98.0	7.70	23478.90	0.03	97.83
98.0-99.0	7.63	23486.53	0.03	97.86
99.0-100.0	7.58	23494.11	0.03	97.89
100.0-101.0	7.53	23501.63	0.03	97.92
101.0-102.0	7.48	23509.12	0.03	97.95
102.0-103.0	7.45	23516.56	0.03	97.99
103.0-104.0	7.42	23523.98	0.03	98.02
104.0-105.0	7.39	23531.37	0.03	98.05
105.0-106.0	7.37	23538.74	0.03	98.08
106.0-107.0	7.35	23546.10	0.03	98.11
107.0-108.0	7.34	23553.44	0.03	98.14
108.0-109.0	7.33	23560.77	0.03	98.17
109.0-110.0	7.33	23568.10	0.03	98.20
110.0-111.0	7.32	23575.42	0.03	98.23
111.0-112.0	7.32	23582.74	0.03	98.26
112.0-113.0	7.32	23590.07	0.03	98.29
113.0-114.0	7.32	23597.39	0.03	98.32
114.0-115.0	7.32	23604.72	0.03	98.35
115.0-116.0	7.32	23612.04	0.03	98.38
116.0-117.0	7.32	23619.35	0.03	98.41
117.0-118.0	7.31	23626.67	0.03	98.44
118.0-119.0	7.30	23633.97	0.03	98.47
119.0-120.0	7.29	23641.25	0.03	98.51
120.0-121.0	7.27	23648.52	0.03	98.54
121.0-122.0	7.24	23655.76	0.03	98.57
122.0-123.0	7.21	23662.98	0.03	98.60
123.0-124.0	7.18	23670.16	0.03	98.63
124.0-125.0	7.14	23677.30	0.03	98.66
125.0-126.0	7.09	23684.39	0.03	98.68
126.0-127.0	7.04	23691.43	0.03	98.71
127.0-128.0	6.98	23698.41	0.03	98.74
128.0-129.0	6.91	23705.32	0.03	98.77
129.0-130.0	6.84	23712.16	0.03	98.80
130.0-131.0	6.76	23718.93	0.03	98.83
131.0-132.0	6.67	23725.60	0.03	98.86
132.0-133.0	6.58	23732.18	0.03	98.88
133.0-134.0	6.48	23738.66	0.03	98.91
134.0-135.0	6.37	23745.03	0.03	98.94
135.0-136.0	6.26	23751.29	0.03	98.96
136.0-137.0	6.15	23757.44	0.03	98.99
137.0-138.0	6.02	23763.46	0.03	99.01
138.0-139.0	5.89	23769.35	0.02	99.04
139.0-140.0	5.76	23775.11	0.02	99.06
140.0-141.0	5.63	23780.74	0.02	99.09
141.0-142.0	5.48	23786.22	0.02	99.11
142.0-143.0	5.34	23791.56	0.02	99.13
143.0-144.0	5.18	23796.74	0.02	99.15
144.0-145.0	5.03	23801.77	0.02	99.17
145.0-146.0	4.87	23806.64	0.02	99.19
146.0-147.0	4.71	23811.35	0.02	99.21
147.0-148.0	4.54	23815.89	0.02	99.23
148.0-149.0	4.38	23820.27	0.02	99.25
149.0-150.0	4.21	23824.49	0.02	99.27
150.0-151.0	4.05	23828.53	0.02	99.29
151.0-152.0	3.88	23832.42	0.02	99.30
152.0-153.0	3.71	23836.13	0.02	99.32
153.0-154.0	3.55	23839.68	0.01	99.33
154.0-155.0	3.38	23843.06	0.01	99.35
155.0-156.0	3.22	23846.27	0.01	99.36
156.0-157.0	3.05	23849.33	0.01	99.37
157.0-158.0	2.89	23852.22	0.01	99.38
158.0-159.0	2.73	23854.94	0.01	99.40
159.0-160.0	2.57	23857.51	0.01	99.41
160.0-161.0	2.41	23859.93	0.01	99.42
161.0-162.0	2.26	23862.19	0.01	99.43
162.0-163.0	2.11	23864.30	0.01	99.43
163.0-164.0	1.96	23866.27	0.01	99.44
164.0-165.0	1.82	23868.08	0.01	99.45
165.0-166.0	1.68	23869.76	0.01	99.46
166.0-167.0	1.54	23871.30	0.01	99.46
167.0-168.0	1.40	23872.70	0.01	99.47
168.0-169.0	1.27	23873.97	0.01	99.47
169.0-170.0	1.14	23875.11	0.00	99.48
170.0-171.0	1.02	23876.13	0.00	99.48
171.0-172.0	0.90	23877.03	0.00	99.49
172.0-173.0	0.78	23877.80	0.00	99.49
173.0-174.0	0.66	23878.47	0.00	99.49
174.0-175.0	0.55	23879.02	0.00	99.50
175.0-176.0	0.44	23879.46	0.00	99.50
176.0-177.0	0.34	23879.80	0.00	99.50
177.0-178.0	0.24	23880.04	0.00	99.50
178.0-179.0	0.14	23880.19	0.00	99.50
179.0-180.0	0.05	23880.23	0.00	99.50

IES Indoor Report
Photometric Filename:HB150ME4I-CM 30X90.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HB150ME4I-CM 30X90	Lum.Catelog: LED HIGH BAY-Mil	Test ID:
Lamp Name:	Lamp Catelog: CREE3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/05/16

ISO Lighting Intensity Curve



Curves:
[Unit: cd]
[IMax] =26120.090
[IMax*90%]=23508.081
[IMax*80%]=20896.072
[IMax*70%]=18284.063
[IMax*60%]=15672.054
[IMax*50%]=13060.045
[IMax*40%]=10448.036
[IMax*30%]=7836.027
[IMax*20%]=5224.018
[IMax*10%]=2612.009

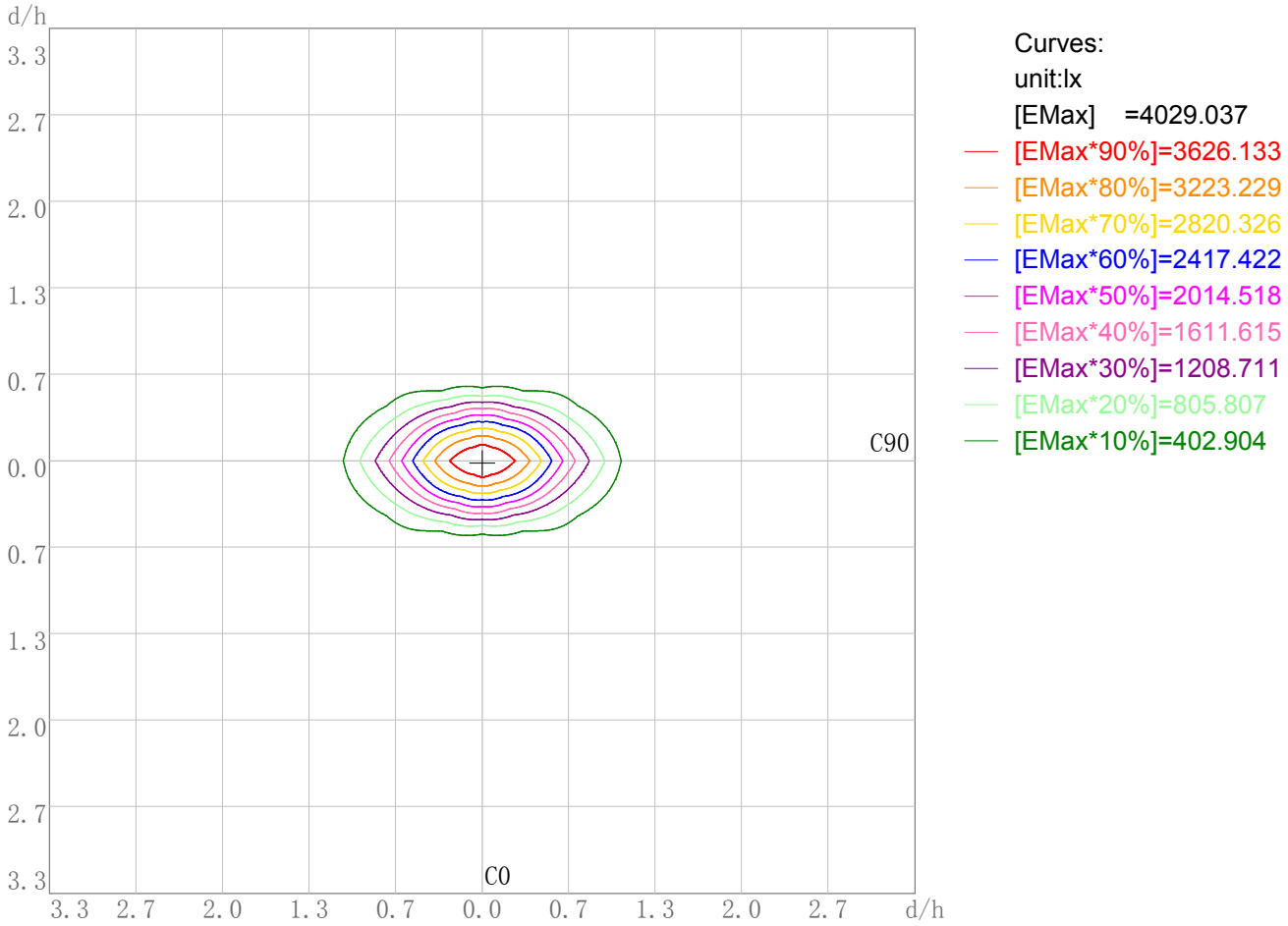
Maximum Light Intensity(cd): 26120.09
Maximum Cand.@Angle: H=1.0°,V=0.0°

IES Indoor Report
Photometric Filename:HB150ME4I-CM 30X90.IES

Plane ISO-Illuminance Diagram

Lum.Name: HB150ME4I-CM 30X90	Lum.Catelog: LED HIGH BAY-Mil	Test ID:
Lamp Name:	Lamp Catelog: CREE3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/05/16

Plane ISO-Illuminance Curve



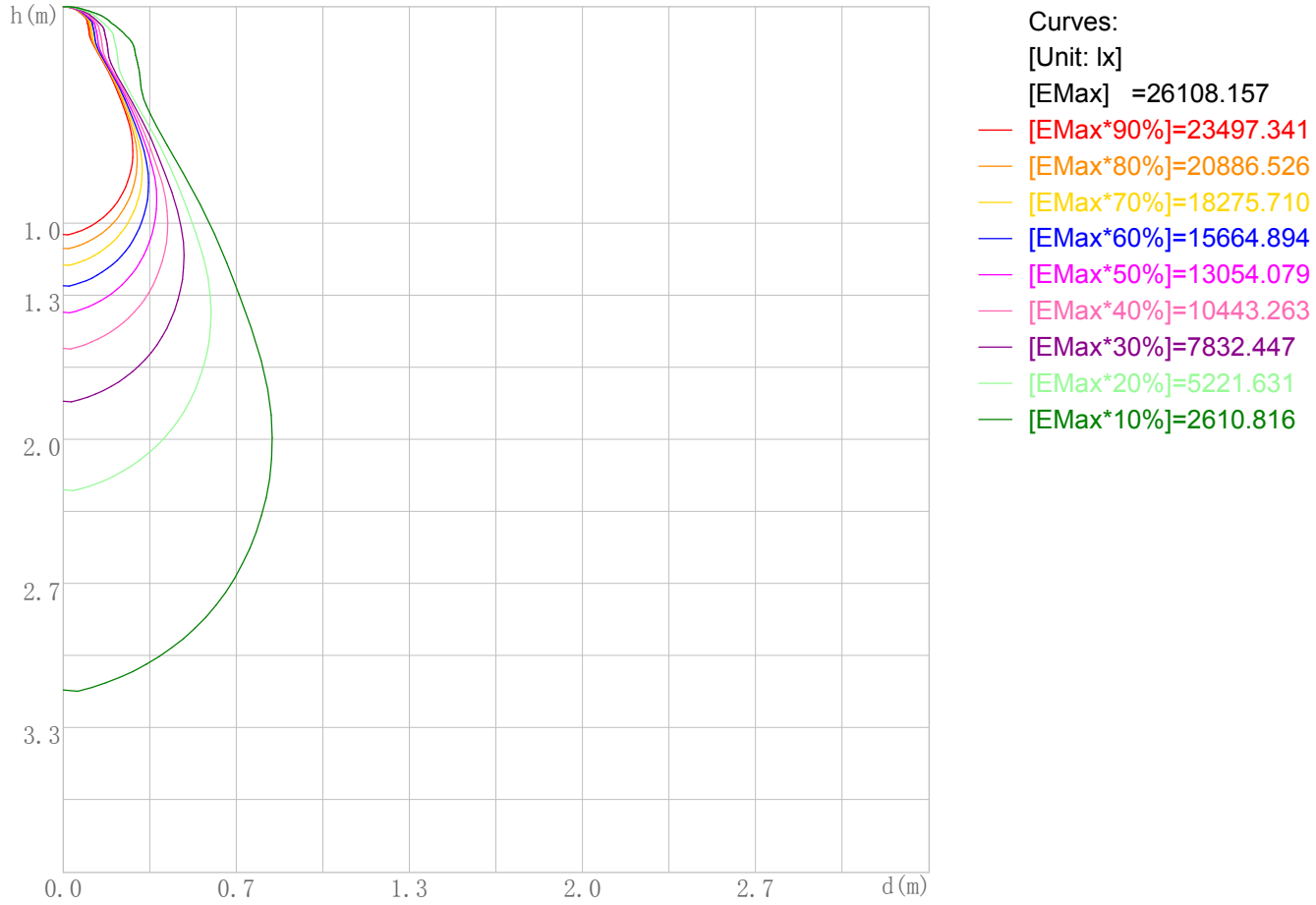
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 4029.04
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Indoor Report
Photometric Filename:HB150ME4I-CM 30X90.IES

Space ISO Illuminance Diagram

Lum.Name: HB150ME4I-CM 30X90	Lum.Catelog: LED HIGH BAY-Mil	Test ID:
Lamp Name:	Lamp Catelog: CREE3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/05/16

Space ISO Illuminance Curve



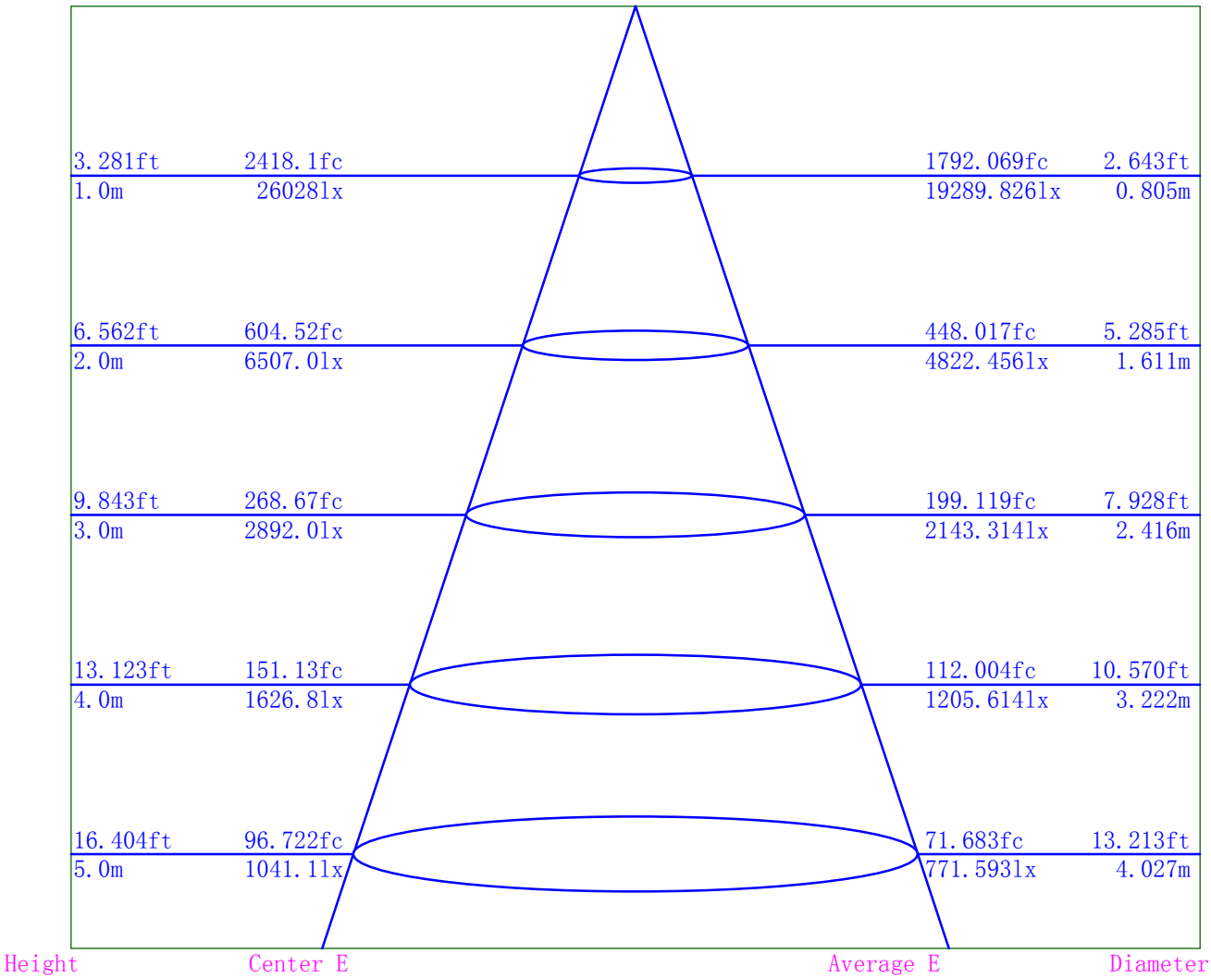
Space Plane Maximum Illuminance and @Angle:26108.16lx,1.0deg
Plane Maximum Lighting Intensity and @Angle:26120.090cd,0eg

IES Indoor Report
Photometric Filename:HB150ME4I-CM 30X90.IES

Illuminance-Distance Diagram

Lum.Name: HB150ME4I-CM 30X90	Lum.Catelog: LED HIGH BAY-Mil	Test ID:
Lamp Name:	Lamp Catelog: CREE3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/05/16

Illuminance-Distance Curve



Beam Angle:43.9

IES Indoor Report
Photometric Filename:HB150ME4I-CM 30X90.IES

Indoor Luminance Limiting Curves

Lum.Name: HB150ME4I-CM 30X90	Lum.Catelog: LED HIGH BAY-Mil	Test ID:
Lamp Name:	Lamp Catelog: CREE3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/05/16

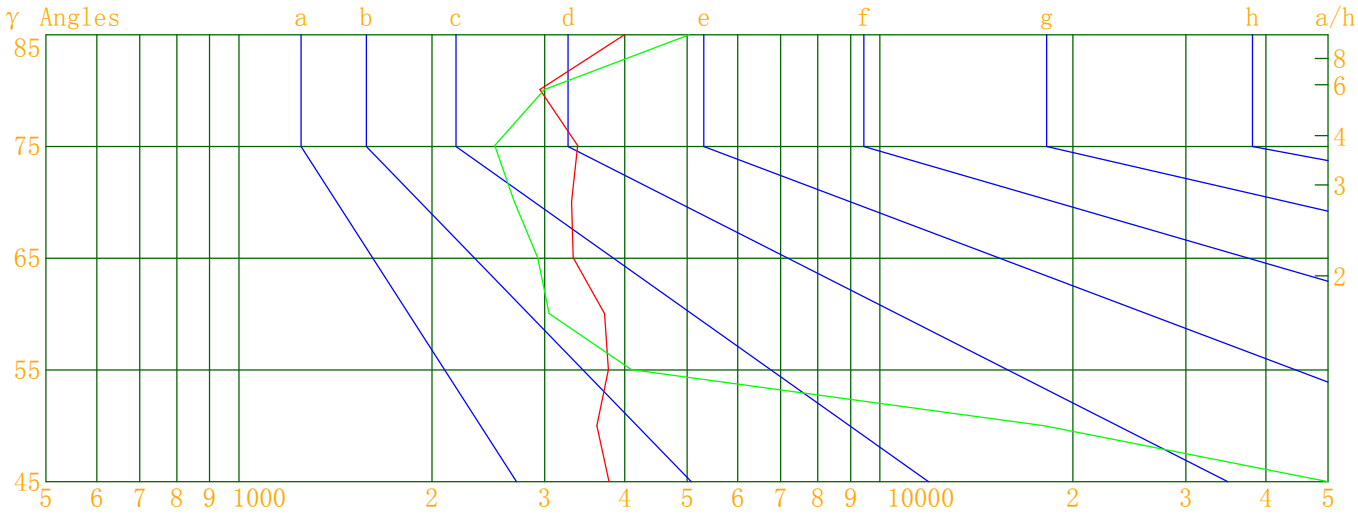
Glare Grade Table

GI	Quality	Using Illuminace							
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	3781	3619	3770	3719	3321	3305	3377	2946	3992
C90	69118	18015	4098	3048	2924	2689	2506	2995	5038

Luminance Limiting Curve



Luminous Size: Length(m)=0.487 Width(m)=0.362 Height(m)=0.120 Area(m^2)=0.234734

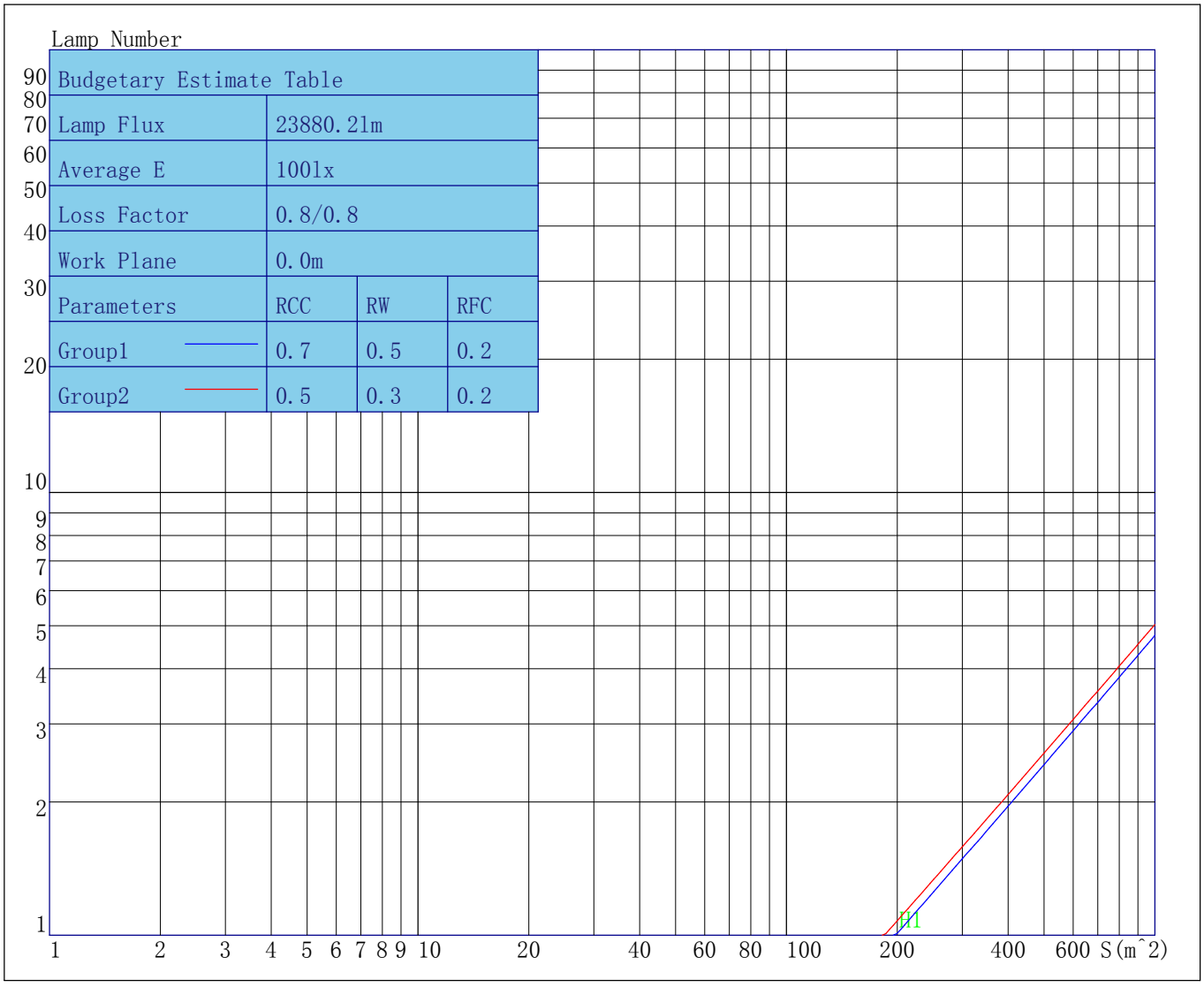
Luminous Type: Without Luminous Side

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

IES Indoor Report
Photometric Filename:HB150ME4I-CM 30X90.IES

Indoor Budgetary Estimate Table

Lum.Name: HB150ME4I-CM 30X90	Lum.Catelog: LED HIGH BAY-Mil	Test ID:
Lamp Name:	Lamp Catelog: CREE3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/05/16



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

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Indoor Coefficient of Utilization Table

Lum.Name: HB150ME4I-CM 30X90	Lum.Catelog: LED HIGH BAY-Mil	Test ID:
Lamp Name:	Lamp Catelog: CREE3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/05/16

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	100	100	100	98
1	112	109	106	104	109	107	104	102	102	100	99	98	97	95	94	93	92	90
2	106	101	96	93	103	99	95	92	95	92	89	92	89	87	89	87	85	83
3	100	93	88	84	98	92	87	83	89	85	81	86	83	80	84	81	78	77
4	95	87	81	76	93	85	80	76	83	78	75	81	77	74	79	75	73	71
5	90	81	75	70	88	80	74	70	78	73	69	76	72	68	74	70	67	66
6	85	76	69	65	83	75	69	64	73	68	64	71	67	63	70	66	63	61
7	80	71	65	60	79	70	64	60	69	63	59	67	62	59	66	62	59	57
8	76	66	60	56	75	66	60	56	65	59	55	63	59	55	62	58	55	53
9	73	63	56	52	71	62	56	52	61	56	52	60	55	52	59	55	51	50
10	69	59	53	49	68	59	53	49	58	52	49	57	52	48	56	51	48	47

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Unified Glare Rating Table

Lum.Name: HB150ME4I-CM 30X90	Lum.Catelog: LED HIGH BAY-Mil	Test ID:
Lamp Name:	Lamp Catelog: CREE3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/05/16

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	11.1	12.1	11.5	12.5	12.8	22.1	23.1	22.5	23.5	23.8
	Y=3H	12.0	12.9	12.4	13.3	13.7	21.9	22.8	22.3	23.2	23.6
	Y=4H	12.6	13.4	13.0	13.8	14.2	21.9	22.7	22.3	23.1	23.5
	Y=6H	13.0	13.8	13.4	14.2	14.6	21.8	22.5	22.2	23.0	23.4
	Y=8H	13.2	13.9	13.6	14.3	14.8	21.7	22.5	22.2	22.9	23.4
	Y=12H	13.4	14.1	13.9	14.5	15.0	21.7	22.4	22.2	22.8	23.3
X=4H	Y=2H	11.2	12.0	11.6	12.4	12.8	21.8	22.6	22.2	23.0	23.5
	Y=3H	12.3	12.9	12.7	13.4	13.8	21.7	22.3	22.1	22.8	23.2
	Y=4H	12.9	13.5	13.4	14.0	14.5	21.6	22.2	22.1	22.6	23.1
	Y=6H	13.5	14.0	14.0	14.5	15.0	21.5	22.0	22.0	22.5	23.1
	Y=8H	13.8	14.2	14.3	14.7	15.2	21.5	22.0	22.0	22.5	23.0
	Y=12H	14.1	14.5	14.6	15.0	15.6	21.5	21.9	22.0	22.4	23.0
X=8H	Y=4H	13.0	13.4	13.5	13.9	14.5	21.4	21.9	21.9	22.4	22.9
	Y=6H	13.7	14.1	14.2	14.6	15.2	21.4	21.8	21.9	22.3	22.9
	Y=8H	14.1	14.4	14.6	15.0	15.5	21.4	21.7	21.9	22.3	22.8
	Y=12H	14.6	14.9	15.1	15.4	16.0	21.4	21.7	22.0	22.3	22.9
X=12H	Y=4H	13.0	13.4	13.5	13.9	14.4	21.4	21.8	21.9	22.3	22.8
	Y=6H	13.7	14.1	14.3	14.6	15.2	21.3	21.7	21.9	22.2	22.8
	Y=8H	14.2	14.5	14.8	15.0	15.7	21.4	21.6	21.9	22.2	22.8
Variations with the objerver position at spacings											
S=1.0H		0.3/-0.2					0.1/-0.1				
S=1.5H		0.5/-0.5					0.3/-0.2				
S=2.0H		0.7/-0.6					0.5/-0.4				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
Correction Value		2.4					0.2				

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

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Candela Tabulation

V/H	C0.0	C30.0	C60.0	C90.0
γ 0.0	26028.0	26028.0	26028.0	26028.0
γ 1.0	26120.1	25819.1	25868.6	25849.3
γ 2.0	25870.7	25596.0	25732.5	25843.0
γ 3.0	25581.5	25345.5	25587.8	25841.1
γ 4.0	25262.1	25062.9	25439.1	25841.8
γ 5.0	24902.4	24751.6	25281.7	25845.1
γ 6.0	24501.1	24410.4	25111.3	25848.5
γ 7.0	24071.0	24046.5	24929.6	25850.1
γ 8.0	23598.0	23659.4	24732.5	25849.8
γ 9.0	23093.6	23245.2	24519.6	25845.6
γ 10.0	22551.1	22800.0	24296.5	25837.6
γ 11.0	21968.0	22317.3	24059.2	25825.2
γ 12.0	21337.0	21793.4	23808.3	25807.4
γ 13.0	20666.5	21226.5	23541.1	25786.7
γ 14.0	19945.4	20617.7	23253.1	25758.8
γ 15.0	19197.6	19968.6	22945.6	25721.9
γ 16.0	18421.9	19279.5	22619.0	25670.6
γ 17.0	17605.7	18558.4	22264.3	25598.3
γ 18.0	16761.6	17795.7	21876.2	25502.1
γ 19.0	15897.0	16996.5	21454.4	25382.7
γ 20.0	14978.3	16163.5	20988.7	25237.9
γ 21.0	14010.8	15299.4	20482.2	25070.1
γ 22.0	12995.2	14394.2	19939.9	24873.1
γ 23.0	11906.3	13435.8	19356.5	24641.4
γ 24.0	10712.8	12430.6	18730.1	24375.2
γ 25.0	9366.8	11401.0	18071.1	24075.1
γ 26.0	7903.5	10378.2	17363.3	23741.6
γ 27.0	6498.4	9358.4	16625.9	23374.0
γ 28.0	5321.7	8328.0	15878.3	22973.1
γ 29.0	4305.9	7282.2	15110.4	22548.6
γ 30.0	3348.4	6218.7	14334.5	22107.4
γ 31.0	2450.3	5175.1	13563.6	21654.5
γ 32.0	1753.4	4206.4	12782.3	21194.5
γ 33.0	1354.5	3341.6	11999.0	20732.2
γ 34.0	1131.3	2598.5	11219.6	20258.2
γ 35.0	990.7	1999.8	10418.1	19761.9
γ 36.0	898.6	1555.2	9591.9	19233.4
γ 37.0	838.9	1230.9	8749.6	18662.9
γ 38.0	795.8	1009.5	7883.0	18047.2
γ 39.0	762.0	876.7	7021.3	17376.8
γ 40.0	733.8	792.4	6181.3	16646.5
γ 41.0	708.7	733.7	5352.0	15840.3
γ 42.0	686.5	689.2	4542.3	14938.3
γ 43.0	666.0	651.9	3771.5	13924.2
γ 44.0	646.3	618.9	3041.5	12783.9
γ 45.0	627.6	589.4	2376.9	11472.4
γ 46.0	609.9	562.6	1812.6	9914.9

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Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0
γ 47.0	590.1	538.3	1365.6	8085.5
γ 48.0	577.4	515.6	1038.8	6116.1
γ 49.0	562.1	493.9	804.1	4244.7
γ 50.0	546.1	473.5	641.4	2718.2
γ 51.0	534.1	452.3	550.3	1637.6
γ 52.0	526.5	431.2	500.2	989.3
γ 53.0	520.2	411.0	460.0	704.7
γ 54.0	512.5	392.9	423.6	597.5
γ 55.0	507.6	377.0	391.4	551.7
γ 56.0	501.7	363.7	362.5	513.7
γ 57.0	492.1	351.2	337.9	468.2
γ 58.0	476.8	338.4	317.3	422.3
γ 59.0	457.6	325.1	299.0	385.5
γ 60.0	436.5	311.6	282.8	357.8
γ 61.0	414.8	297.4	268.3	338.8
γ 62.0	392.3	282.5	254.6	323.7
γ 63.0	370.6	268.5	241.9	312.1
γ 64.0	349.8	254.3	229.7	301.2
γ 65.0	329.5	239.8	218.0	290.1
γ 66.0	309.5	225.5	207.0	278.8
γ 67.0	292.1	212.3	196.7	266.8
γ 68.0	278.8	199.5	187.0	253.4
γ 69.0	270.4	186.7	177.9	236.5
γ 70.0	265.3	173.8	169.5	215.9
γ 71.0	259.5	161.9	161.2	200.3
γ 72.0	250.8	151.0	153.1	187.5
γ 73.0	238.3	141.8	145.2	174.6
γ 74.0	222.4	133.8	137.4	162.8
γ 75.0	205.1	126.4	130.2	152.2
γ 76.0	187.8	119.2	123.5	143.7
γ 77.0	170.2	112.4	117.7	137.3
γ 78.0	152.8	106.2	112.6	131.5
γ 79.0	136.5	101.1	108.4	126.2
γ 80.0	120.1	96.6	104.5	122.1
γ 81.0	108.1	92.4	101.0	116.7
γ 82.0	99.7	88.2	97.7	112.6
γ 83.0	94.3	84.8	94.7	109.2
γ 84.0	89.2	81.8	92.0	105.9
γ 85.0	81.7	79.2	89.8	103.1
γ 86.0	75.3	76.9	87.8	100.4
γ 87.0	72.6	75.1	86.0	98.0
γ 88.0	71.0	73.5	84.3	96.0
γ 89.0	69.5	72.1	82.9	94.0
γ 90.0	68.0	70.7	81.5	92.3
γ 91.0	66.7	69.3	80.4	90.8
γ 92.0	65.5	68.3	79.5	89.5
γ 93.0	64.2	67.2	78.5	88.3

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Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0
γ 94.0	63.1	66.2	77.9	87.3
γ 95.0	62.0	65.4	77.3	86.4
γ 96.0	61.2	64.8	76.8	85.6
γ 97.0	60.2	64.2	76.3	84.9
γ 98.0	59.5	63.7	76.1	84.4
γ 99.0	59.0	63.3	75.8	83.9
γ 100.0	58.5	63.0	75.7	83.4
γ 101.0	58.1	62.9	75.6	83.1
γ 102.0	57.9	62.9	75.6	82.7
γ 103.0	57.9	62.9	75.6	82.3
γ 104.0	57.9	63.2	75.6	81.9
γ 105.0	58.2	63.5	75.7	81.6
γ 106.0	58.6	63.8	75.8	81.2
γ 107.0	59.1	64.3	75.8	80.9
γ 108.0	59.8	64.9	75.9	80.6
γ 109.0	60.7	65.5	76.0	80.4
γ 110.0	61.7	66.2	76.1	80.1
γ 111.0	62.9	66.9	76.3	79.8
γ 112.0	64.1	67.8	76.4	79.6
γ 113.0	65.4	68.7	76.5	79.4
γ 114.0	66.7	69.6	76.8	79.2
γ 115.0	68.1	70.6	76.9	79.0
γ 116.0	69.8	71.5	76.9	78.9
γ 117.0	71.2	72.5	77.1	78.8
γ 118.0	72.8	73.5	77.3	78.5
γ 119.0	74.3	74.5	77.3	78.3
γ 120.0	75.8	75.4	77.4	78.2
γ 121.0	77.2	76.4	77.6	78.1
γ 122.0	78.6	77.3	77.6	77.8
γ 123.0	80.0	78.2	77.7	77.7
γ 124.0	81.3	79.1	77.9	77.5
γ 125.0	82.5	80.0	77.8	77.2
γ 126.0	83.7	80.8	77.9	77.1
γ 127.0	84.8	81.5	77.9	76.8
γ 128.0	85.8	82.3	77.8	76.5
γ 129.0	86.6	82.9	77.8	76.2
γ 130.0	87.5	83.5	77.8	75.9
γ 131.0	88.2	83.9	77.7	75.5
γ 132.0	88.8	84.4	77.7	75.2
γ 133.0	89.3	84.7	77.4	74.8
γ 134.0	89.8	85.0	77.3	74.4
γ 135.0	90.0	85.3	77.1	74.1
γ 136.0	90.2	85.4	77.0	73.8
γ 137.0	90.3	85.5	76.8	73.4
γ 138.0	90.3	85.4	76.5	73.0
γ 139.0	90.2	85.4	76.2	72.7
γ 140.0	89.9	85.3	76.0	72.3

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Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0
γ 141.0	89.6	85.1	75.6	71.9
γ 142.0	89.3	84.8	75.3	71.5
γ 143.0	88.7	84.4	74.9	71.2
γ 144.0	88.1	83.8	74.4	70.8
γ 145.0	87.2	83.3	73.9	70.4
γ 146.0	86.4	82.7	73.4	70.1
γ 147.0	85.4	81.9	72.9	69.7
γ 148.0	84.3	81.0	72.5	69.3
γ 149.0	83.2	80.2	72.0	69.1
γ 150.0	81.9	79.2	71.5	68.8
γ 151.0	80.6	78.1	71.1	68.6
γ 152.0	79.1	77.0	70.5	68.4
γ 153.0	77.5	75.9	70.1	68.1
γ 154.0	75.8	74.7	69.6	67.9
γ 155.0	74.2	73.6	69.0	67.7
γ 156.0	72.5	72.3	68.6	67.5
γ 157.0	70.6	71.0	68.0	67.2
γ 158.0	68.8	69.7	67.5	67.0
γ 159.0	67.0	68.4	67.0	66.8
γ 160.0	65.2	67.0	66.4	66.5
γ 161.0	63.3	65.7	65.9	66.3
γ 162.0	61.5	64.4	65.4	66.1
γ 163.0	59.8	63.0	64.8	65.7
γ 164.0	58.1	61.7	64.2	65.4
γ 165.0	56.4	60.3	63.5	65.1
γ 166.0	54.7	59.0	62.9	64.7
γ 167.0	53.1	57.7	62.3	64.3
γ 168.0	51.7	56.5	61.6	63.9
γ 169.0	50.3	55.3	60.8	63.5
γ 170.0	48.9	54.1	60.1	63.0
γ 171.0	47.8	52.9	59.3	62.4
γ 172.0	46.7	51.7	58.4	61.7
γ 173.0	45.7	50.6	57.7	61.1
γ 174.0	44.8	49.5	56.8	60.4
γ 175.0	44.1	48.4	56.0	59.7
γ 176.0	43.3	47.5	55.2	59.0
γ 177.0	42.7	46.6	54.3	58.4
γ 178.0	42.1	46.0	53.5	57.7
γ 179.0	41.7	45.4	52.7	57.0
γ 180.0	48.7	48.7	48.7	48.7