IES Indoor Report
Photometric Filename:HB150ME4I-CM D80.IES

Indoor Luminaire Photometric Data

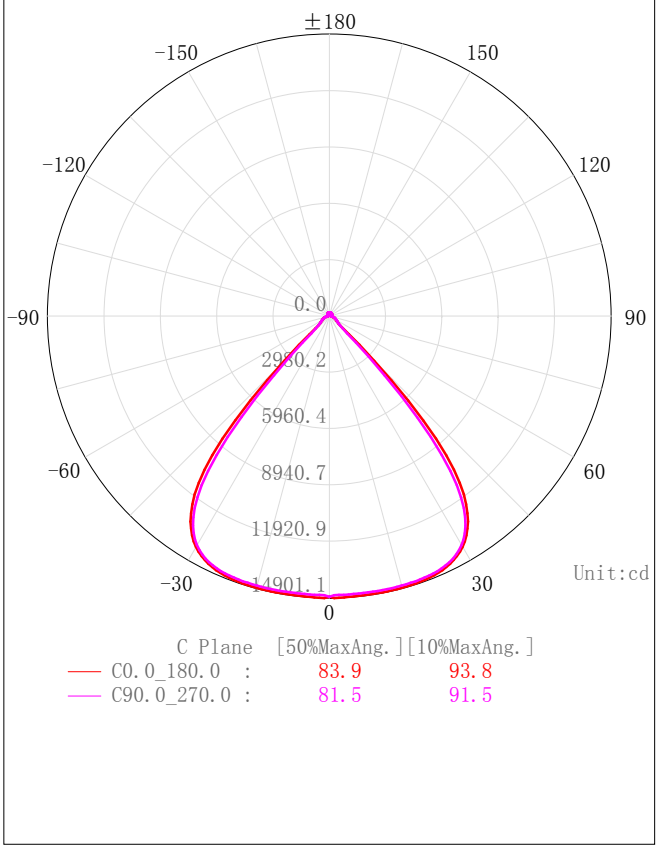
Description Information

Luminary Name: HB150ME4I-CM D80		Lum. Catelog: LED HighBay Mildb	Test ID:
Lamp Name:		Lamp Catelog: CREE3030	Test Date: 2020/04/10
Manufacture:		Shld.Ang(°):	Test Machine:GON-2000
Test Lab:		Frequency(Hz):	Lamp CCT(K): Ra:
Lum.Size(W*L*H):0.385m*0.510m*0.140m		Lum.Area(m2):0.268	Lum.W(kg): 0.000
Test System: C, γ	Test Step: C=30.0 γ=1.0	Temp.(℃): 25	Humidity(%): 50.0

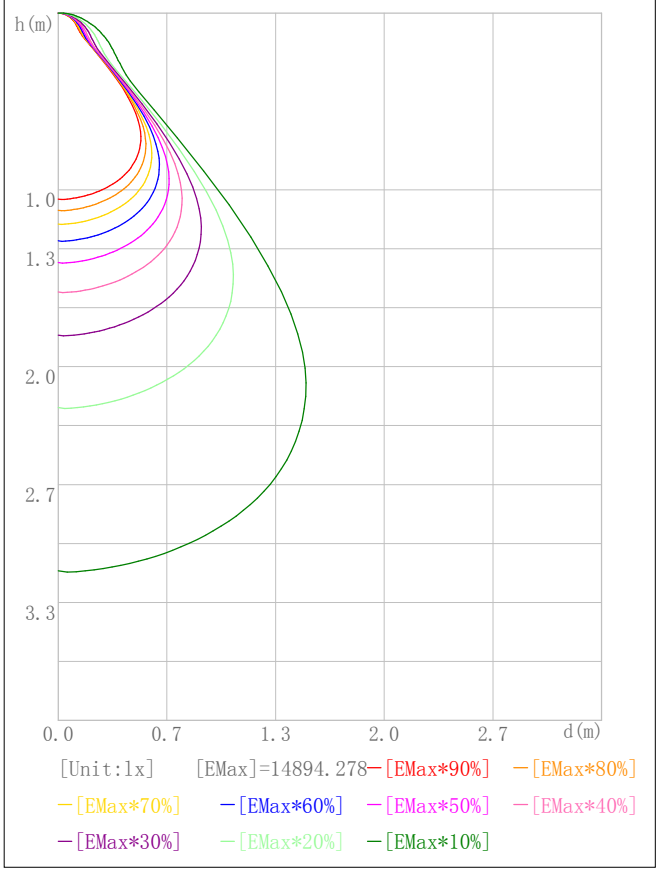
Character Parameter

Lamp Speciality Parameter		Luminaire Speciality Parameter	
Rated Flux(lm):	24500.000	Luminary Flux(lm): 24282.161	Field Angle(10%Imax): 93.8(°)
Rated Power(W):		Luminary Efficiency: 99.11%	Down Lumens&Percent: 23577.708lm 97.10%
Rated Voltage(V):		Luminary EER(lm/W): 161.666	Up Lumens&Percent: 704.453lm 2.90%
Tested Power(W):	150.200	Max.Candela(cd): 14901.086	S/MH: C0_a180=1.354 C90_270=1.339
Lamps' Inside:	1	Max Cand@Ang.(°): C=0.0 γ=1.0	CIE Type: Semi-Direct
Tested Electrics(V,A,pf):221.6,0.687,0.987		Beam Angle(50%Imax): 83.9(°)	ErP Φuse(90°): 21920.142lm
Lamp Size(W*L*H):0.385m*0.510m*0.140m		Left=-42.0°,Right=42.0°	IRF(%): 137.049

C Plane Distribution Diagram



C0 Space ISO Illuminance Curve

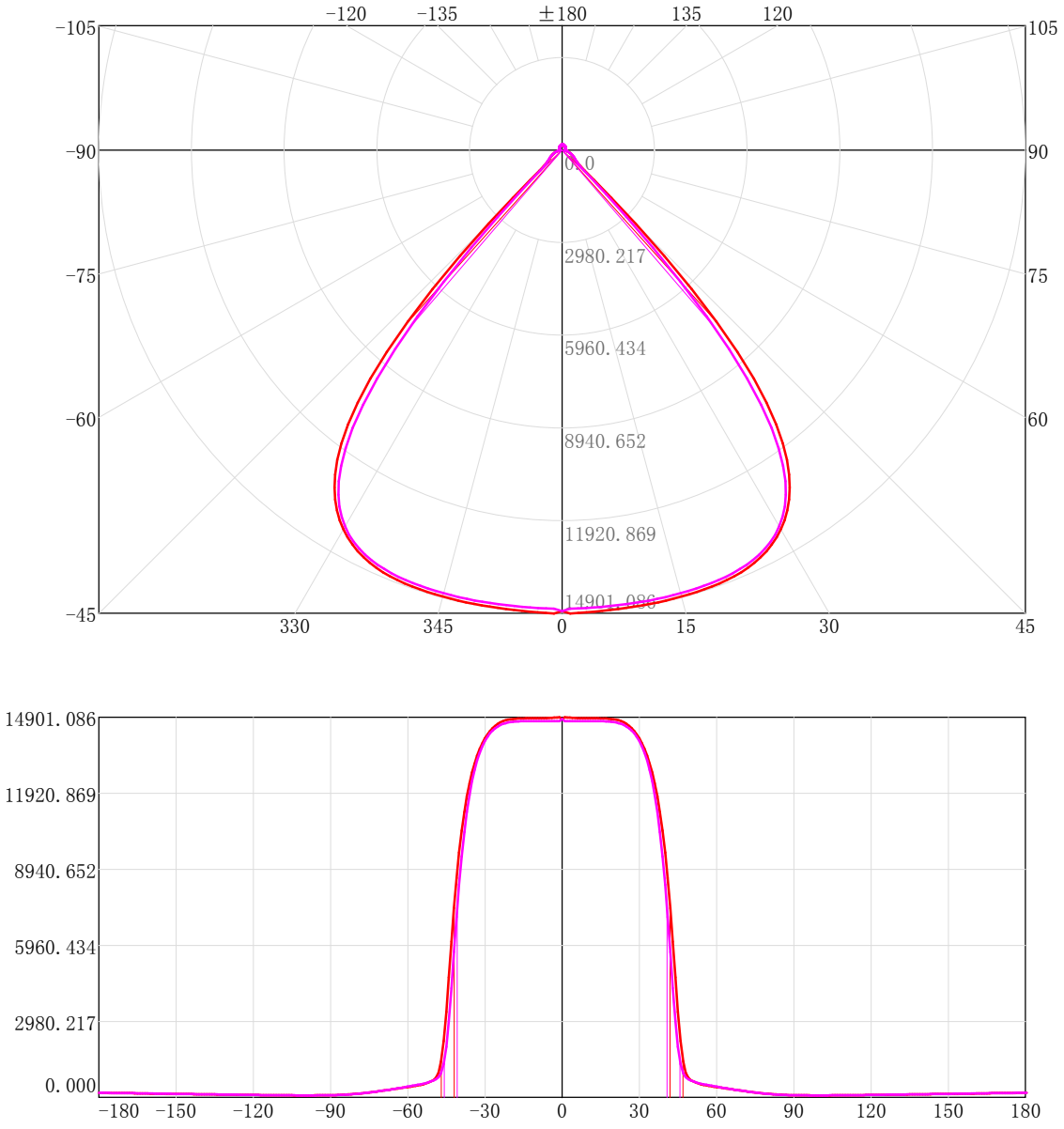


IES Indoor Report
Photometric Filename:HB150ME4I-CM D80.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HB150ME4I-CM D80	Lum.Catelog: LED HighBay Mild	Test ID:
Lamp Name:	Lamp Catelog: CREE3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/04/10

C Plane Distribution Diagram



C Plane	[50%MaxAng.]	[10%MaxAng.]	Unit:cd
C0.0_180.0 :	83.9	93.8	
C90.0_270.0 :	81.5	91.5	

IES Indoor Report
Photometric Filename:HB150ME4I-CM D80.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	14.18	14.18	0.06	0.06	47.0-48.0	86.63	22292.34	0.35	90.99
1.0-2.0	42.52	56.71	0.17	0.23	48.0-49.0	70.22	22362.55	0.29	91.28
2.0-3.0	70.82	127.52	0.29	0.52	49.0-50.0	61.92	22424.48	0.25	91.53
3.0-4.0	99.07	226.60	0.40	0.92	50.0-51.0	57.23	22481.71	0.23	91.76
4.0-5.0	127.29	353.89	0.52	1.44	51.0-52.0	53.87	22535.58	0.22	91.98
5.0-6.0	155.45	509.34	0.63	2.08	52.0-53.0	51.11	22586.69	0.21	92.19
6.0-7.0	183.57	692.91	0.75	2.83	53.0-54.0	48.76	22635.45	0.20	92.39
7.0-8.0	211.63	904.54	0.86	3.69	54.0-55.0	46.89	22682.34	0.19	92.58
8.0-9.0	239.64	1144.18	0.98	4.67	55.0-56.0	45.47	22727.81	0.19	92.77
9.0-10.0	267.59	1411.76	1.09	5.76	56.0-57.0	44.33	22772.15	0.18	92.95
10.0-11.0	295.46	1707.22	1.21	6.97	57.0-58.0	43.28	22815.42	0.18	93.12
11.0-12.0	323.24	2030.46	1.32	8.29	58.0-59.0	42.22	22857.64	0.17	93.30
12.0-13.0	350.92	2381.39	1.43	9.72	59.0-60.0	41.14	22898.78	0.17	93.46
13.0-14.0	378.48	2759.86	1.54	11.26	60.0-61.0	39.98	22938.76	0.16	93.63
14.0-15.0	405.88	3165.74	1.66	12.92	61.0-62.0	38.70	22977.46	0.16	93.79
15.0-16.0	433.11	3598.86	1.77	14.69	62.0-63.0	37.37	23014.83	0.15	93.94
16.0-17.0	460.16	4059.01	1.88	16.57	63.0-64.0	36.05	23050.88	0.15	94.09
17.0-18.0	486.97	4545.98	1.99	18.56	64.0-65.0	34.71	23085.59	0.14	94.23
18.0-19.0	513.52	5059.50	2.10	20.65	65.0-66.0	33.34	23118.93	0.14	94.36
19.0-20.0	539.76	5599.26	2.20	22.85	66.0-67.0	31.97	23150.90	0.13	94.49
20.0-21.0	565.60	6164.86	2.31	25.16	67.0-68.0	30.65	23181.56	0.13	94.62
21.0-22.0	590.96	6755.82	2.41	27.57	68.0-69.0	29.42	23210.97	0.12	94.74
22.0-23.0	615.73	7371.56	2.51	30.09	69.0-70.0	28.25	23239.22	0.12	94.85
23.0-24.0	639.77	8011.33	2.61	32.70	70.0-71.0	27.07	23266.29	0.11	94.96
24.0-25.0	662.93	8674.26	2.71	35.41	71.0-72.0	25.81	23292.10	0.11	95.07
25.0-26.0	685.04	9359.31	2.80	38.20	72.0-73.0	24.50	23316.60	0.10	95.17
26.0-27.0	705.90	10065.20	2.88	41.08	73.0-74.0	23.15	23339.75	0.09	95.26
27.0-28.0	725.28	10790.49	2.96	44.04	74.0-75.0	21.81	23361.56	0.09	95.35
28.0-29.0	742.90	11533.39	3.03	47.08	75.0-76.0	20.54	23382.10	0.08	95.44
29.0-30.0	758.41	12291.80	3.10	50.17	76.0-77.0	19.34	23401.44	0.08	95.52
30.0-31.0	771.42	13063.23	3.15	53.32	77.0-78.0	18.22	23419.66	0.07	95.59
31.0-32.0	781.44	13844.67	3.19	56.51	78.0-79.0	17.18	23436.84	0.07	95.66
32.0-33.0	787.86	14632.53	3.22	59.72	79.0-80.0	16.24	23453.08	0.07	95.73
33.0-34.0	790.06	15422.59	3.22	62.95	80.0-81.0	15.40	23468.47	0.06	95.79
34.0-35.0	787.20	16209.79	3.21	66.16	81.0-82.0	14.63	23483.10	0.06	95.85
35.0-36.0	778.12	16987.91	3.18	69.34	82.0-83.0	13.88	23496.98	0.06	95.91
36.0-37.0	761.56	17749.47	3.11	72.45	83.0-84.0	13.15	23510.13	0.05	95.96
37.0-38.0	735.84	18485.30	3.00	75.45	84.0-85.0	12.47	23522.60	0.05	96.01
38.0-39.0	699.06	19184.36	2.85	78.30	85.0-86.0	11.88	23534.48	0.05	96.06
39.0-40.0	649.73	19834.09	2.65	80.96	86.0-87.0	11.37	23545.84	0.05	96.11
40.0-41.0	586.74	20420.83	2.39	83.35	87.0-88.0	10.91	23556.76	0.04	96.15
41.0-42.0	509.83	20930.66	2.08	85.43	88.0-89.0	10.58	23567.34	0.04	96.19
42.0-43.0	421.40	21352.06	1.72	87.15	89.0-90.0	10.37	23577.71	0.04	96.24
43.0-44.0	327.98	21680.04	1.34	88.49	90.0-91.0	10.20	23587.90	0.04	96.28
44.0-45.0	240.10	21920.14	0.98	89.47	91.0-92.0	10.05	23597.96	0.04	96.32
45.0-46.0	168.16	22088.30	0.69	90.16	92.0-93.0	9.93	23607.89	0.04	96.36
46.0-47.0	117.40	22205.70	0.48	90.64	93.0-94.0	9.82	23617.71	0.04	96.40

IES Indoor Report
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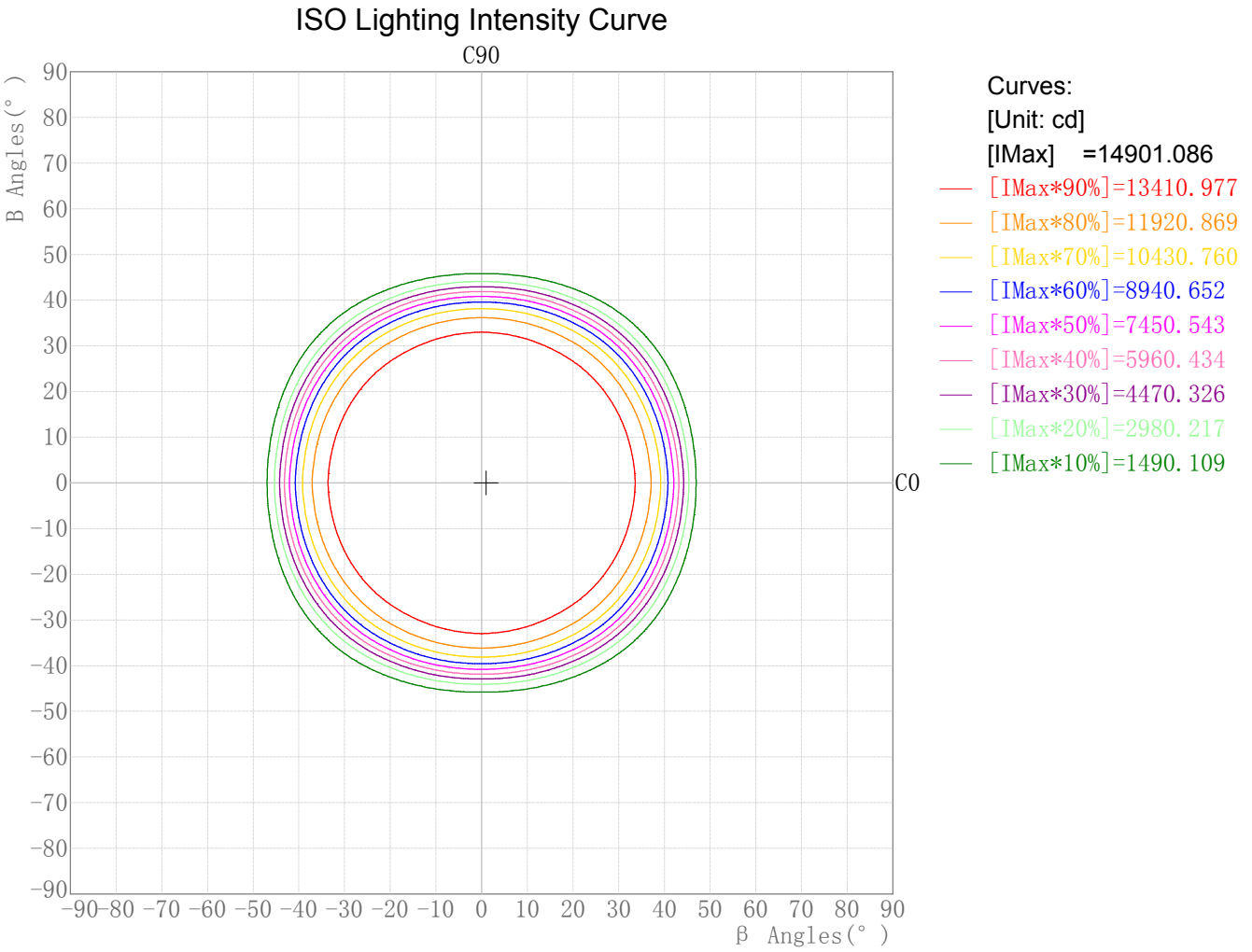
Zonal Flux Tabulation - (Cont.)

Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
94.0-95.0	9.73	23627.44	0.04	96.44
95.0-96.0	9.65	23637.09	0.04	96.48
96.0-97.0	9.58	23646.68	0.04	96.52
97.0-98.0	9.53	23656.21	0.04	96.56
98.0-99.0	9.49	23665.70	0.04	96.59
99.0-100.0	9.45	23675.15	0.04	96.63
100.0-101.0	9.42	23684.58	0.04	96.67
101.0-102.0	9.41	23693.99	0.04	96.71
102.0-103.0	9.41	23703.40	0.04	96.75
103.0-104.0	9.40	23712.80	0.04	96.79
104.0-105.0	9.41	23722.21	0.04	96.83
105.0-106.0	9.42	23731.63	0.04	96.86
106.0-107.0	9.44	23741.06	0.04	96.90
107.0-108.0	9.45	23750.52	0.04	96.94
108.0-109.0	9.48	23759.99	0.04	96.98
109.0-110.0	9.50	23769.50	0.04	97.02
110.0-111.0	9.53	23779.03	0.04	97.06
111.0-112.0	9.56	23788.59	0.04	97.10
112.0-113.0	9.60	23798.18	0.04	97.14
113.0-114.0	9.63	23807.81	0.04	97.17
114.0-115.0	9.66	23817.48	0.04	97.21
115.0-116.0	9.70	23827.18	0.04	97.25
116.0-117.0	9.73	23836.91	0.04	97.29
117.0-118.0	9.76	23846.67	0.04	97.33
118.0-119.0	9.80	23856.47	0.04	97.37
119.0-120.0	9.82	23866.29	0.04	97.41
120.0-121.0	9.85	23876.14	0.04	97.45
121.0-122.0	9.87	23886.01	0.04	97.49
122.0-123.0	9.90	23895.91	0.04	97.53
123.0-124.0	9.92	23905.83	0.04	97.57
124.0-125.0	9.93	23915.76	0.04	97.62
125.0-126.0	9.94	23925.70	0.04	97.66
126.0-127.0	9.95	23935.65	0.04	97.70
127.0-128.0	9.95	23945.60	0.04	97.74
128.0-129.0	9.94	23955.54	0.04	97.78
129.0-130.0	9.92	23965.46	0.04	97.82
130.0-131.0	9.90	23975.36	0.04	97.86
131.0-132.0	9.87	23985.23	0.04	97.90
132.0-133.0	9.83	23995.06	0.04	97.94
133.0-134.0	9.79	24004.84	0.04	97.98
134.0-135.0	9.73	24014.57	0.04	98.02
135.0-136.0	9.66	24024.23	0.04	98.06
136.0-137.0	9.59	24033.82	0.04	98.10
137.0-138.0	9.50	24043.32	0.04	98.14
138.0-139.0	9.41	24052.73	0.04	98.17
139.0-140.0	9.31	24062.05	0.04	98.21
140.0-141.0	9.21	24071.25	0.04	98.25
141.0-142.0	9.09	24080.34	0.04	98.29
142.0-143.0	8.97	24089.31	0.04	98.32
143.0-144.0	8.84	24098.15	0.04	98.36
144.0-145.0	8.70	24106.85	0.04	98.40
145.0-146.0	8.56	24115.41	0.03	98.43
146.0-147.0	8.41	24123.82	0.03	98.46
147.0-148.0	8.25	24132.08	0.03	98.50
148.0-149.0	8.09	24140.17	0.03	98.53
149.0-150.0	7.92	24148.09	0.03	98.56
150.0-151.0	7.75	24155.84	0.03	98.60
151.0-152.0	7.58	24163.42	0.03	98.63
152.0-153.0	7.41	24170.83	0.03	98.66
153.0-154.0	7.23	24178.06	0.03	98.69
154.0-155.0	7.05	24185.11	0.03	98.71
155.0-156.0	6.87	24191.98	0.03	98.74
156.0-157.0	6.68	24198.66	0.03	98.77
157.0-158.0	6.49	24205.14	0.03	98.80
158.0-159.0	6.29	24211.43	0.03	98.82
159.0-160.0	6.08	24217.51	0.02	98.85
160.0-161.0	5.87	24223.38	0.02	98.87
161.0-162.0	5.64	24229.02	0.02	98.89
162.0-163.0	5.41	24234.43	0.02	98.92
163.0-164.0	5.17	24239.61	0.02	98.94
164.0-165.0	4.92	24244.52	0.02	98.96
165.0-166.0	4.66	24249.18	0.02	98.98
166.0-167.0	4.38	24253.57	0.02	98.99
167.0-168.0	4.10	24257.67	0.02	99.01
168.0-169.0	3.81	24261.48	0.02	99.03
169.0-170.0	3.51	24264.99	0.01	99.04
170.0-171.0	3.20	24268.19	0.01	99.05
171.0-172.0	2.89	24271.08	0.01	99.07
172.0-173.0	2.57	24273.65	0.01	99.08
173.0-174.0	2.24	24275.89	0.01	99.09
174.0-175.0	1.90	24277.79	0.01	99.09
175.0-176.0	1.57	24279.35	0.01	99.10
176.0-177.0	1.22	24280.58	0.00	99.10
177.0-178.0	0.88	24281.46	0.00	99.11
178.0-179.0	0.53	24281.98	0.00	99.11
179.0-180.0	0.18	24282.16	0.00	99.11

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Photometric Filename:HB150ME4I-CM D80.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HB150ME4I-CM D80	Lum.Catelog: LED HighBay Mild	Test ID:
Lamp Name:	Lamp Catelog: CREE3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/04/10



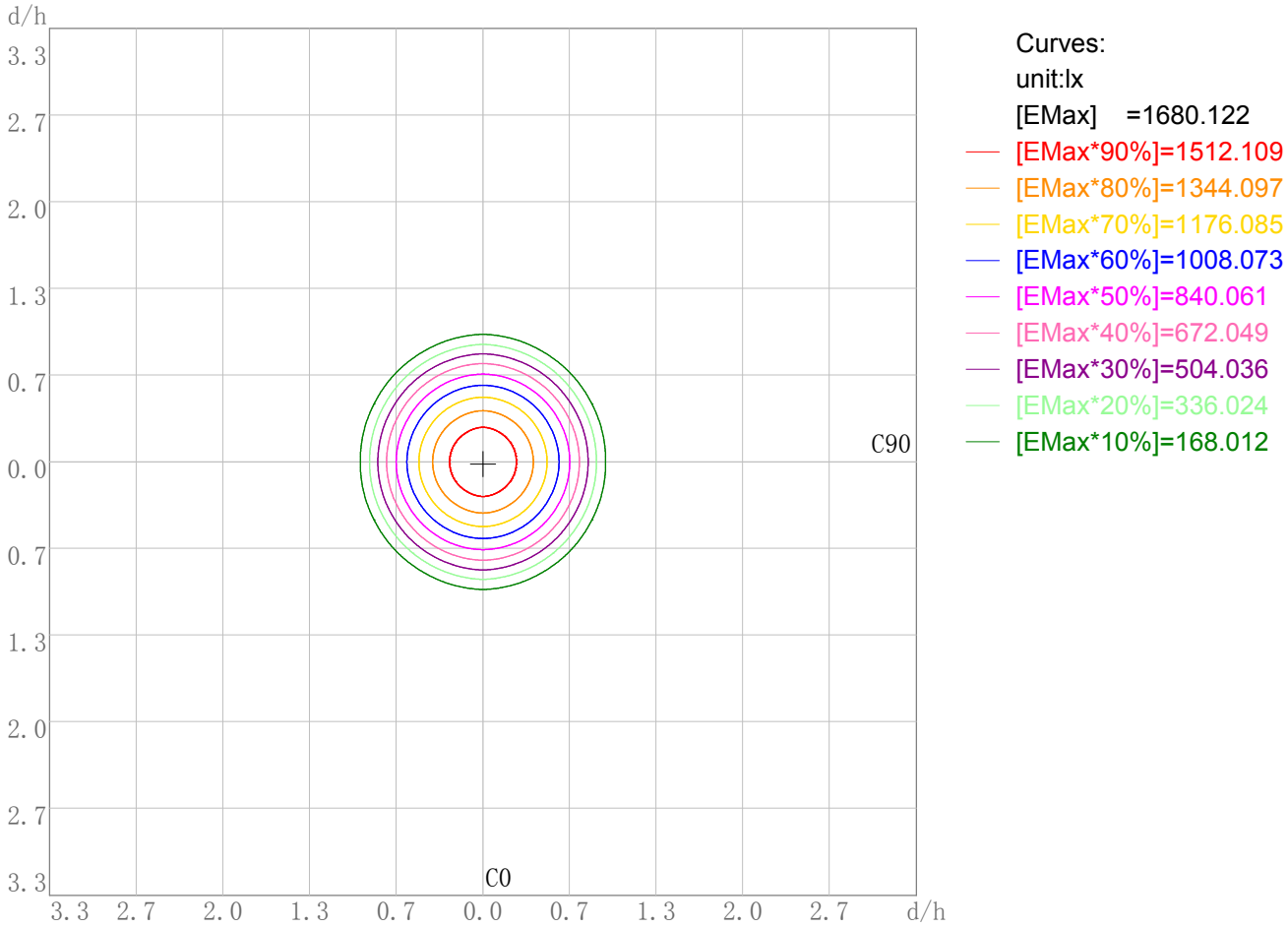
Maximum Light Intensity(cd): 14901.09
Maximum Cand.@Angle: H=1.0°,V=0.0°

IES Indoor Report
Photometric Filename:HB150ME4I-CM D80.IES

Plane ISO-Illuminance Diagram

Lum.Name: HB150ME4I-CM D80	Lum.Catelog: LED HighBay Mild	Test ID:
Lamp Name:	Lamp Catelog: CREE3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/04/10

Plane ISO-Illuminance Curve



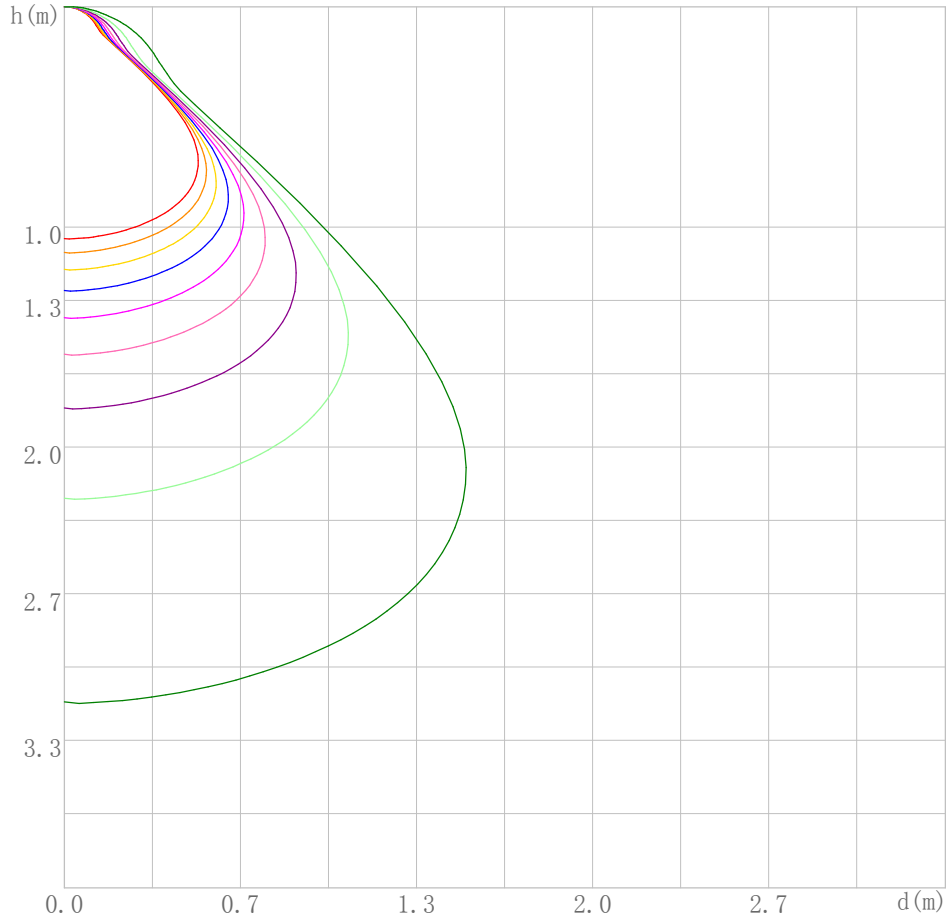
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 1680.12
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Indoor Report
Photometric Filename:HB150ME4I-CM D80.IES

Space ISO Illuminance Diagram

Lum.Name: HB150ME4I-CM D80	Lum.Catelog: LED HighBay Mild	Test ID:
Lamp Name:	Lamp Catelog: CREE3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/04/10

Space ISO Illuminance Curve



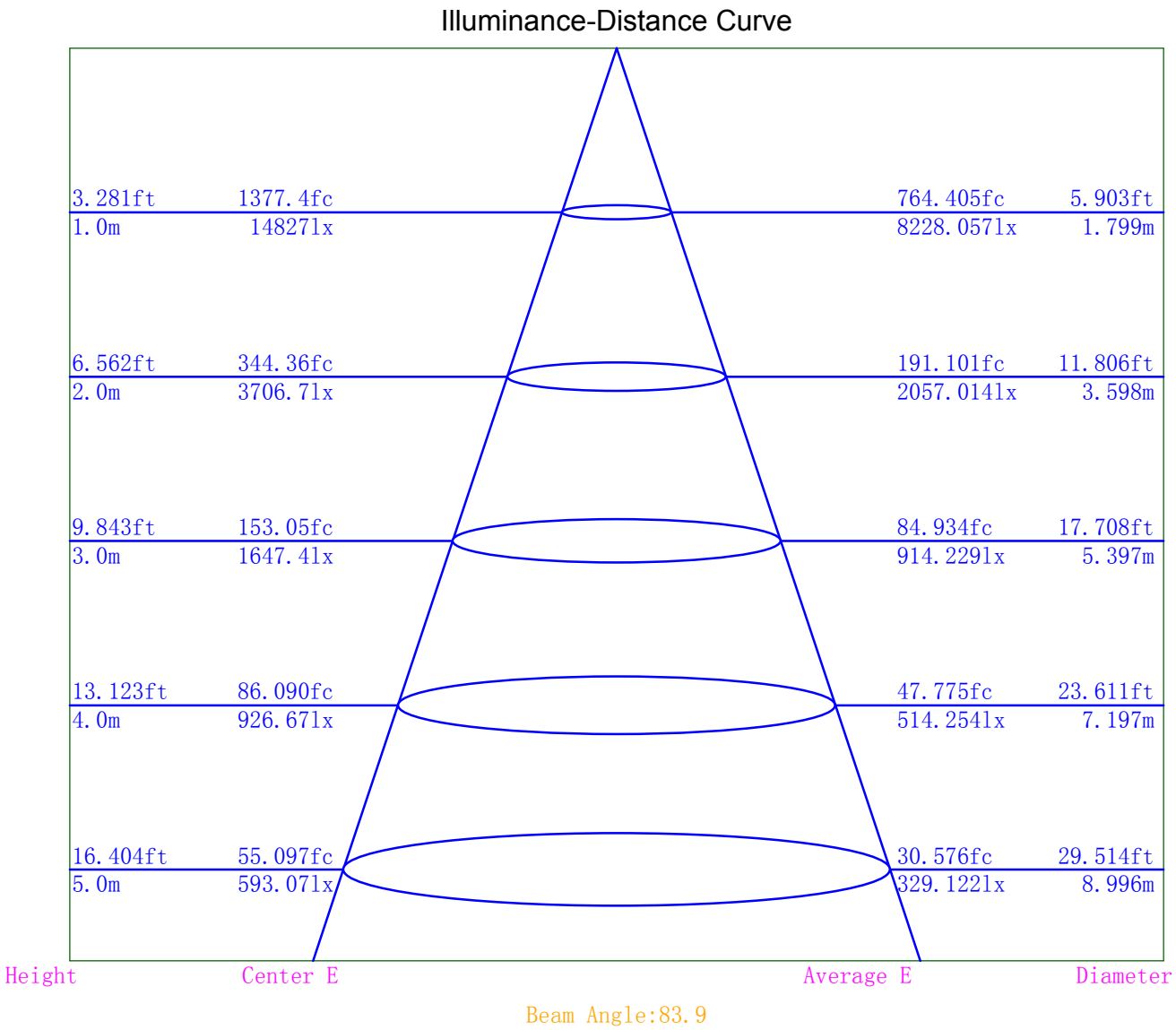
Curves:
[Unit: lx]
[EMax] =14894.278
[EMax*90%]=13404.851
[EMax*80%]=11915.423
[EMax*70%]=10425.995
[EMax*60%]=8936.567
[EMax*50%]=7447.139
[EMax*40%]=5957.711
[EMax*30%]=4468.284
[EMax*20%]=2978.856
[EMax*10%]=1489.428

Space Plane Maximum Illuminance and @Angle:14894.28lx,1.0deg
Plane Maximum Lighting Intensity and @Angle:14901.086cd,0eg

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Illuminance-Distance Diagram

Lum.Name: HB150ME4I-CM D80	Lum.Catelog: LED HighBay Mild	Test ID:
Lamp Name:	Lamp Catelog: CREE3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/04/10



IES Indoor Report
Photometric Filename:HB150ME4I-CM D80.IES

Indoor Luminance Limiting Curves

Lum.Name: HB150ME4I-CM D80	Lum.Catelog: LED HighBay Mild	Test ID:
Lamp Name:	Lamp Catelog: CREE3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/04/10

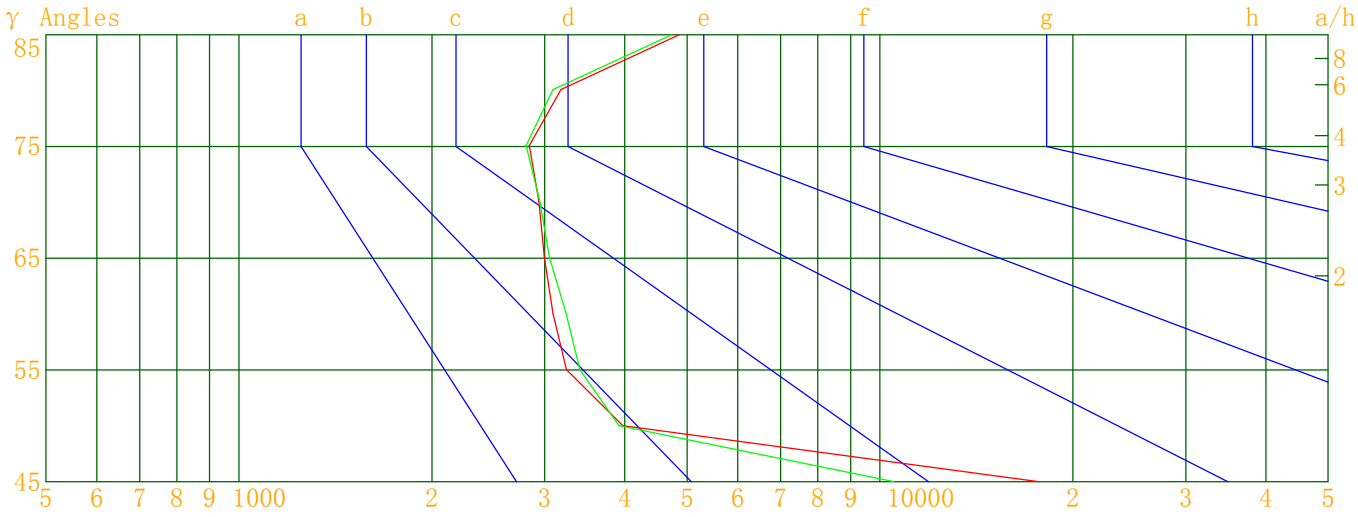
Glare Grade Table

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	17707	3971	3243	3089	2995	2937	2837	3180	4859
C90	10525	3916	3403	3238	3050	2947	2806	3090	4736

Luminance Limiting Curve



Luminous Size: Length(m)=0.510 Width(m)=0.385 Height(m)=0.140 Area(m^2)=0.267750

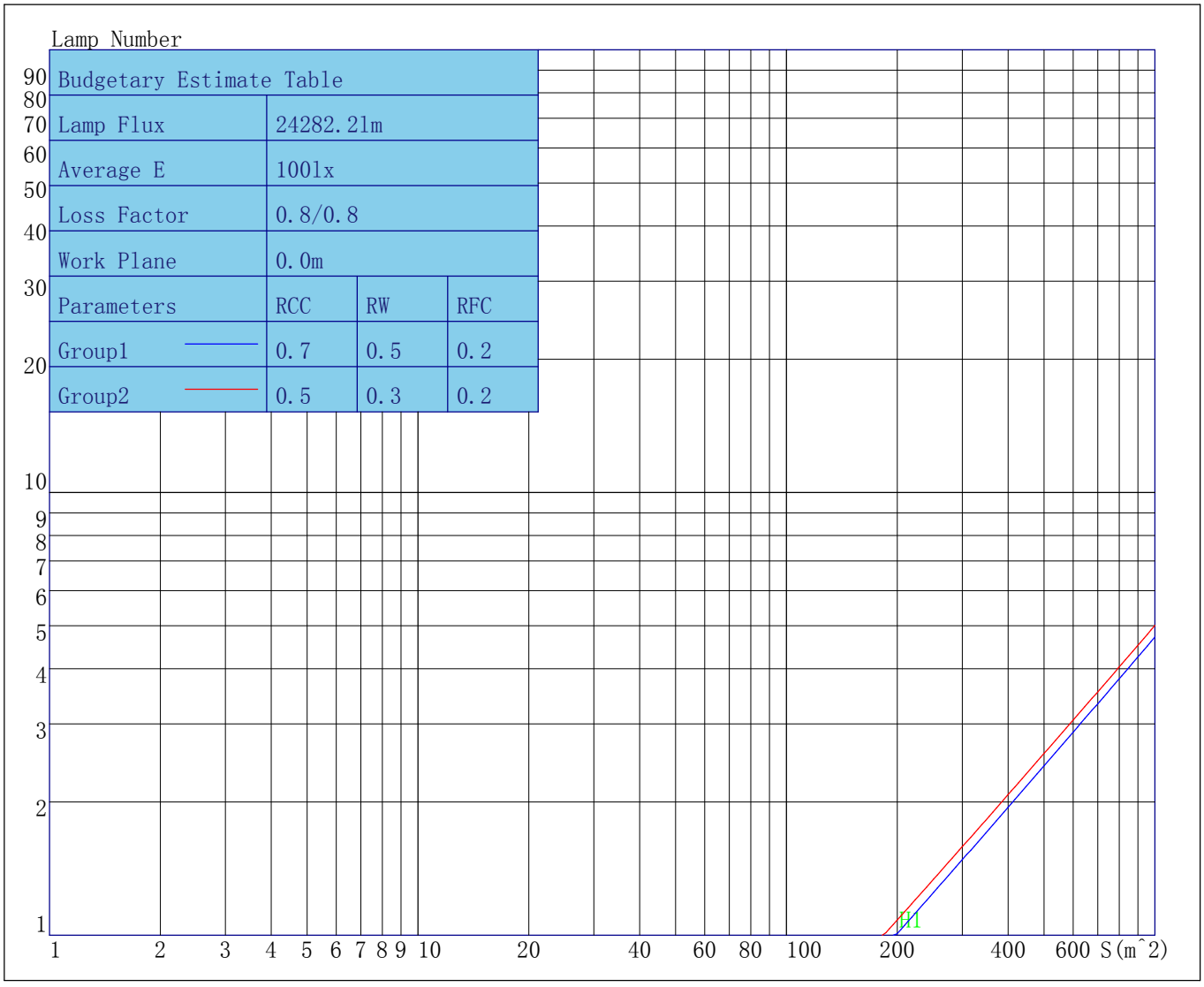
Luminous Type: Without Luminous Side

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

IES Indoor Report
Photometric Filename:HB150ME4I-CM D80.IES

Indoor Budgetary Estimate Table

Lum.Name: HB150ME4I-CM D80	Lum.Catelog: LED HighBay Mild	Test ID:
Lamp Name:	Lamp Catelog: CREE3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/04/10



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

IES Indoor Report
Photometric Filename:HB150ME4I-CM D80.IES

Indoor Coefficient of Utilization Table

Lum.Name: HB150ME4I-CM D80	Lum.Catelog: LED HighBay Mild	Test ID:
Lamp Name:	Lamp Catelog: CREE3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/04/10

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	117	117	117	117	114	114	114	114	109	109	109	103	103	103	98	98	98	96
1	111	107	105	102	108	105	102	100	100	98	96	96	95	93	92	91	90	88
2	104	98	94	90	102	96	92	89	93	89	86	89	86	84	86	84	82	80
3	98	90	85	80	95	89	83	79	86	81	78	83	79	76	80	77	74	73
4	92	83	77	72	90	82	76	71	79	74	70	77	72	69	74	71	68	66
5	86	77	70	65	84	75	69	65	73	68	64	71	66	63	69	65	62	60
6	81	71	64	59	79	70	63	59	68	62	58	66	61	57	65	60	57	55
7	76	66	59	54	74	65	58	54	63	57	53	62	56	53	60	56	52	51
8	72	61	54	49	70	60	54	49	59	53	49	57	52	48	56	51	48	46
9	67	57	50	45	66	56	50	45	55	49	45	54	48	45	53	48	44	43
10	64	53	46	42	62	52	46	42	51	45	42	50	45	41	49	44	41	40

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Unified Glare Rating Table

Lum.Name: HB150ME4I-CM D80	Lum.Catelog: LED HighBay Mild	Test ID:
Lamp Name:	Lamp Catelog: CREE3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/04/10

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	19.9	20.9	20.3	21.3	21.7	19.4	20.5	19.9	20.8	21.2
	Y=3H	19.8	20.7	20.3	21.1	21.6	19.4	20.3	19.8	20.7	21.1
	Y=4H	19.8	20.6	20.3	21.0	21.5	19.4	20.2	19.8	20.6	21.1
	Y=6H	19.8	20.5	20.3	21.0	21.4	19.4	20.1	19.8	20.5	21.0
	Y=8H	19.8	20.5	20.3	20.9	21.4	19.4	20.1	19.8	20.5	21.0
	Y=12H	19.8	20.5	20.3	20.9	21.4	19.4	20.0	19.9	20.5	21.0
X=4H	Y=2H	19.7	20.5	20.1	20.9	21.4	19.2	20.0	19.7	20.5	20.9
	Y=3H	19.6	20.3	20.1	20.8	21.3	19.2	19.9	19.7	20.4	20.8
	Y=4H	19.6	20.3	20.1	20.7	21.2	19.2	19.8	19.7	20.3	20.8
	Y=6H	19.7	20.2	20.2	20.7	21.2	19.3	19.8	19.8	20.3	20.8
	Y=8H	19.7	20.2	20.2	20.7	21.2	19.3	19.8	19.8	20.3	20.8
	Y=12H	19.8	20.2	20.3	20.7	21.3	19.4	19.8	19.9	20.3	20.9
X=8H	Y=4H	19.5	20.0	20.1	20.5	21.1	19.1	19.6	19.7	20.1	20.7
	Y=6H	19.6	20.0	20.2	20.6	21.2	19.2	19.6	19.8	20.2	20.8
	Y=8H	19.7	20.0	20.3	20.6	21.2	19.3	19.7	19.9	20.2	20.8
	Y=12H	19.9	20.1	20.4	20.7	21.3	19.5	19.8	20.0	20.3	21.0
X=12H	Y=4H	19.5	19.9	20.0	20.5	21.0	19.1	19.5	19.6	20.0	20.6
	Y=6H	19.6	19.9	20.2	20.5	21.1	19.2	19.5	19.8	20.1	20.7
	Y=8H	19.7	20.0	20.3	20.6	21.2	19.3	19.6	19.9	20.2	20.8
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					0.5/-0.4				
S=2.0H		0.5/-0.6					0.5/-0.6				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
Correction Value		0.5					0.6				

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	14826.7	14826.7	14826.7	14826.7
γ 1.0	14901.1	14818.8	14805.1	14752.6
γ 2.0	14891.5	14810.2	14796.4	14748.8
γ 3.0	14883.8	14802.4	14788.6	14745.4
γ 4.0	14877.9	14795.8	14782.6	14743.6
γ 5.0	14872.3	14790.3	14777.8	14742.7
γ 6.0	14867.8	14785.6	14774.3	14743.0
γ 7.0	14864.9	14782.1	14771.9	14743.8
γ 8.0	14863.0	14779.6	14769.5	14745.4
γ 9.0	14862.9	14778.7	14768.8	14747.9
γ 10.0	14863.0	14778.4	14768.5	14750.3
γ 11.0	14862.9	14778.3	14768.7	14752.3
γ 12.0	14863.5	14778.8	14768.1	14753.3
γ 13.0	14863.4	14778.9	14767.4	14753.6
γ 14.0	14862.2	14778.7	14765.3	14752.4
γ 15.0	14859.2	14776.3	14762.6	14750.0
γ 16.0	14855.4	14772.3	14758.6	14746.4
γ 17.0	14850.1	14766.3	14752.6	14741.5
γ 18.0	14843.4	14756.9	14744.0	14735.5
γ 19.0	14835.7	14744.3	14732.4	14727.2
γ 20.0	14824.0	14728.4	14716.1	14714.3
γ 21.0	14805.9	14707.8	14693.7	14695.9
γ 22.0	14780.1	14680.9	14664.5	14670.8
γ 23.0	14745.1	14645.8	14626.7	14636.4
γ 24.0	14698.4	14600.4	14576.8	14592.8
γ 25.0	14639.1	14542.2	14513.5	14537.3
γ 26.0	14564.5	14468.9	14433.5	14468.0
γ 27.0	14473.0	14377.1	14336.5	14381.3
γ 28.0	14364.0	14263.9	14218.3	14272.3
γ 29.0	14232.7	14126.0	14074.9	14137.1
γ 30.0	14074.2	13959.9	13900.0	13971.3
γ 31.0	13887.2	13761.7	13690.5	13766.7
γ 32.0	13662.8	13524.4	13437.1	13515.5
γ 33.0	13397.7	13242.2	13132.3	13210.3
γ 34.0	13091.2	12904.8	12770.6	12840.1
γ 35.0	12731.6	12504.3	12335.6	12391.4
γ 36.0	12305.4	12024.8	11812.3	11847.2
γ 37.0	11799.2	11453.9	11188.4	11191.3
γ 38.0	11188.6	10770.9	10434.8	10395.7
γ 39.0	10455.2	9959.9	9531.6	9450.0
γ 40.0	9599.7	8998.2	8475.1	8342.2
γ 41.0	8596.6	7887.2	7259.8	7083.1
γ 42.0	7420.0	6623.3	5927.0	5700.8
γ 43.0	6113.9	5256.6	4560.1	4287.8
γ 44.0	4715.3	3914.7	3283.2	2993.3
γ 45.0	3352.5	2759.4	2258.3	1992.8
γ 46.0	2210.6	1892.0	1554.7	1315.1

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Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0
γ 47.0	1415.9	1328.9	1132.9	951.5
γ 48.0	978.0	997.3	899.3	796.2
γ 49.0	776.3	821.9	774.1	724.0
γ 50.0	683.4	726.1	704.8	674.0
γ 51.0	630.8	663.0	653.5	633.4
γ 52.0	590.4	612.4	610.8	599.2
γ 53.0	554.8	569.8	575.1	568.6
γ 54.0	523.2	534.7	544.6	543.1
γ 55.0	498.0	507.4	520.9	522.6
γ 56.0	478.7	487.4	501.4	504.4
γ 57.0	461.6	470.3	483.8	487.2
γ 58.0	445.1	454.4	467.3	469.5
γ 59.0	428.6	439.0	451.3	451.5
γ 60.0	413.6	423.3	435.1	433.5
γ 61.0	399.6	406.7	417.9	413.5
γ 62.0	385.4	389.7	399.4	393.0
γ 63.0	370.4	374.1	380.0	375.4
γ 64.0	354.3	359.8	359.9	360.1
γ 65.0	338.9	345.7	339.6	345.1
γ 66.0	324.6	329.2	321.7	328.8
γ 67.0	310.6	312.0	306.6	312.0
γ 68.0	296.4	296.5	292.7	296.2
γ 69.0	282.2	283.1	279.0	282.6
γ 70.0	269.0	270.6	265.5	269.9
γ 71.0	255.0	258.4	251.8	255.8
γ 72.0	240.0	245.8	238.2	239.1
γ 73.0	224.9	232.6	225.5	223.0
γ 74.0	209.7	218.0	212.5	207.5
γ 75.0	196.6	203.8	199.7	194.4
γ 76.0	183.8	191.0	187.1	183.0
γ 77.0	173.1	179.8	174.6	171.6
γ 78.0	164.1	168.7	163.3	160.7
γ 79.0	155.5	158.0	153.2	151.7
γ 80.0	147.9	148.5	144.5	143.7
γ 81.0	141.2	140.2	136.5	136.3
γ 82.0	133.7	133.2	129.0	129.2
γ 83.0	126.1	126.5	121.6	122.5
γ 84.0	118.9	119.1	115.0	116.2
γ 85.0	113.4	112.6	109.3	110.5
γ 86.0	109.2	107.5	103.9	104.9
γ 87.0	103.9	103.1	99.4	100.3
γ 88.0	99.0	98.7	96.3	96.8
γ 89.0	96.7	96.0	94.5	94.8
γ 90.0	94.9	94.2	92.9	93.2
γ 91.0	93.2	92.6	91.7	91.8
γ 92.0	91.9	91.4	90.7	90.9
γ 93.0	90.9	90.3	89.7	89.9

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Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0
γ 94.0	90.0	89.4	89.0	89.2
γ 95.0	89.2	88.8	88.4	88.5
γ 96.0	88.4	88.2	88.0	88.1
γ 97.0	88.3	87.7	87.7	87.6
γ 98.0	87.7	87.5	87.6	87.5
γ 99.0	87.7	87.4	87.4	87.5
γ 100.0	87.5	87.1	87.4	87.4
γ 101.0	87.5	87.3	87.6	87.5
γ 102.0	87.8	87.6	87.9	87.7
γ 103.0	87.9	87.8	88.2	88.1
γ 104.0	88.3	88.1	88.6	88.5
γ 105.0	88.7	88.6	89.1	89.0
γ 106.0	89.3	89.2	89.7	89.5
γ 107.0	89.9	89.7	90.4	90.2
γ 108.0	90.5	90.4	91.1	90.9
γ 109.0	91.2	91.2	91.9	91.7
γ 110.0	92.1	92.0	92.7	92.5
γ 111.0	92.9	92.8	93.7	93.4
γ 112.0	93.8	93.8	94.7	94.4
γ 113.0	94.9	94.8	95.7	95.4
γ 114.0	96.0	95.8	96.8	96.5
γ 115.0	96.9	97.0	97.9	97.6
γ 116.0	98.1	98.0	99.1	98.9
γ 117.0	99.3	99.3	100.3	100.0
γ 118.0	100.5	100.5	101.6	101.4
γ 119.0	101.8	101.8	102.8	102.6
γ 120.0	103.0	103.2	104.1	103.9
γ 121.0	104.4	104.4	105.5	105.3
γ 122.0	105.7	105.7	107.0	106.6
γ 123.0	107.1	107.2	108.4	108.1
γ 124.0	108.5	108.7	109.8	109.4
γ 125.0	110.0	110.0	111.3	110.9
γ 126.0	111.5	111.7	112.8	112.4
γ 127.0	112.9	113.3	114.2	113.8
γ 128.0	114.5	114.7	115.6	115.3
γ 129.0	116.1	116.1	117.1	116.7
γ 130.0	117.4	117.7	118.5	118.2
γ 131.0	119.0	119.1	119.9	119.6
γ 132.0	120.5	120.6	121.2	121.1
γ 133.0	121.9	122.0	122.7	122.7
γ 134.0	123.4	123.3	124.1	124.1
γ 135.0	124.8	124.7	125.3	125.4
γ 136.0	126.0	126.0	126.7	126.9
γ 137.0	127.3	127.1	128.0	128.2
γ 138.0	128.6	128.4	129.4	129.7
γ 139.0	129.8	129.4	130.6	131.0
γ 140.0	131.0	130.5	131.9	132.4

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Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0
γ 141.0	132.1	131.7	133.0	133.8
γ 142.0	133.5	132.7	134.2	135.2
γ 143.0	134.6	134.1	135.5	136.3
γ 144.0	135.6	135.2	136.5	137.5
γ 145.0	136.6	136.4	137.6	138.7
γ 146.0	137.6	137.6	138.9	139.9
γ 147.0	138.6	138.6	140.0	141.1
γ 148.0	139.7	139.7	141.2	142.2
γ 149.0	140.7	140.9	142.4	143.3
γ 150.0	141.8	141.9	143.6	144.7
γ 151.0	142.8	143.1	145.0	146.0
γ 152.0	144.1	144.4	146.5	147.5
γ 153.0	145.5	145.8	148.0	148.9
γ 154.0	147.0	147.2	149.5	150.5
γ 155.0	148.7	148.8	151.2	152.1
γ 156.0	150.5	150.5	152.9	153.9
γ 157.0	152.2	152.3	154.8	155.6
γ 158.0	154.1	154.0	156.6	157.4
γ 159.0	156.1	155.9	158.6	159.4
γ 160.0	158.0	157.9	160.5	161.4
γ 161.0	159.9	159.9	162.3	163.1
γ 162.0	162.0	161.8	164.2	165.0
γ 163.0	163.8	163.8	166.1	167.0
γ 164.0	165.7	165.7	167.9	168.6
γ 165.0	167.7	167.6	169.6	170.4
γ 166.0	169.6	169.3	171.2	172.2
γ 167.0	171.4	171.0	172.7	173.5
γ 168.0	173.1	172.6	174.1	174.8
γ 169.0	174.8	174.1	175.5	176.3
γ 170.0	176.4	175.6	176.8	177.5
γ 171.0	177.5	176.9	178.0	178.6
γ 172.0	178.6	178.2	179.0	179.7
γ 173.0	179.7	179.2	179.8	180.6
γ 174.0	180.6	180.2	180.6	181.5
γ 175.0	181.5	181.3	181.4	182.6
γ 176.0	182.3	182.3	182.1	183.4
γ 177.0	183.0	183.0	182.7	184.1
γ 178.0	183.6	183.7	183.4	184.7
γ 179.0	184.2	184.3	183.7	185.2
γ 180.0	184.7	184.7	184.7	184.7