IES Indoor Report
Photometric Filename:HB060ME2I-CM D110.IES

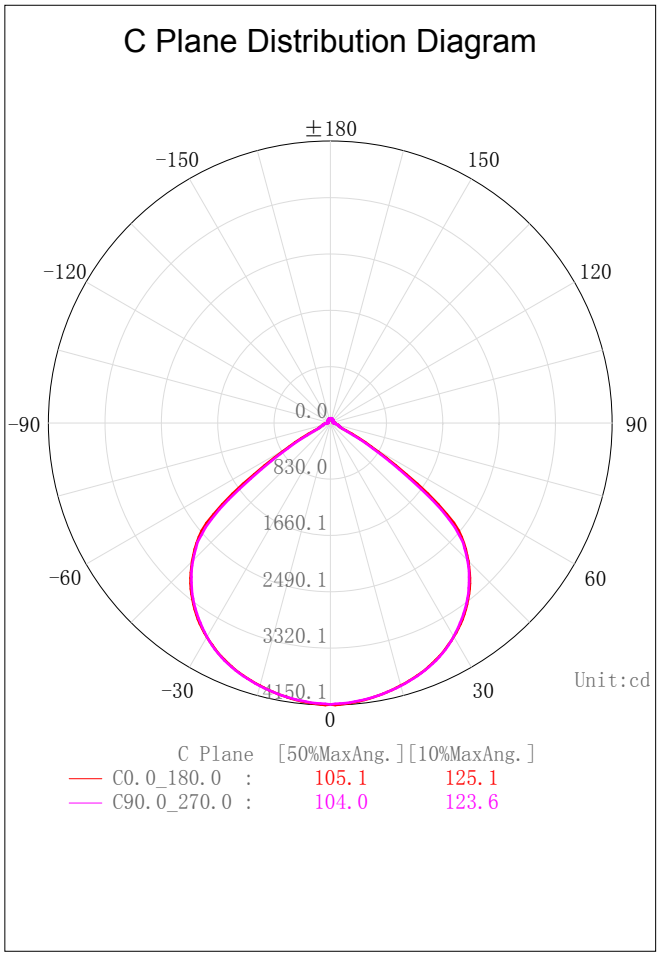
Indoor Luminaire Photometric Data

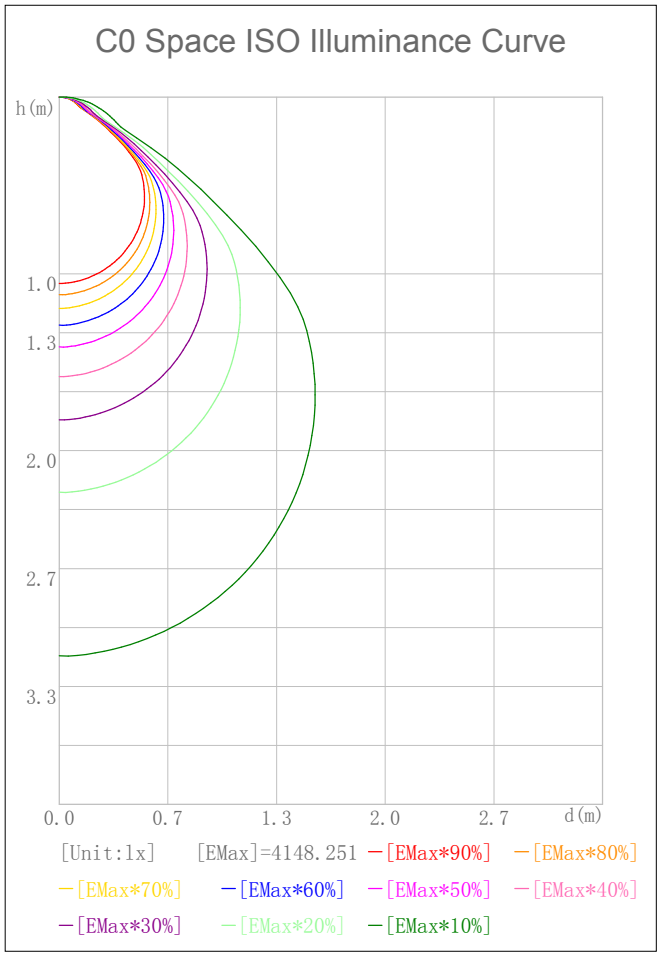
Description Information

Luminary Name: HB060ME2I-CM D110		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):0.310m*0.430m*0.150m		Lum.Area(m2):0.198	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):	9900.000	Luminary Flux(lm): 9807.494	Field Angle(10%Imax): 125.1(°)
Rated Power(W):		Luminary Efficiency: 99.07%	Down Lumens&Percent: 9519.569lm 97.06%
Rated Voltage(V):		Luminary EER(lm/W): 162.915	Up Lumens&Percent: 287.925lm 2.94%
Tested Power(W):	60.200	Max.Candela(cd): 4150.147	S/MH: C0_a180=1.303 C90_270=1.298
Lamps' Inside:	1	Max Cand@Ang.(°): C=0.0 γ=1.0	CIE Type: Semi-Direct
Tested Electrics(V,A,pf):221.7,0.274,0.989		Beam Angle(50%Imax): 105.1(°)	ErP Φuse(120°): 9055.031lm
Lamp Size(W*L*H):0.310m*0.430m*0.150m		Left=-52.5°,Right=52.5°	IRF(%): 107.477



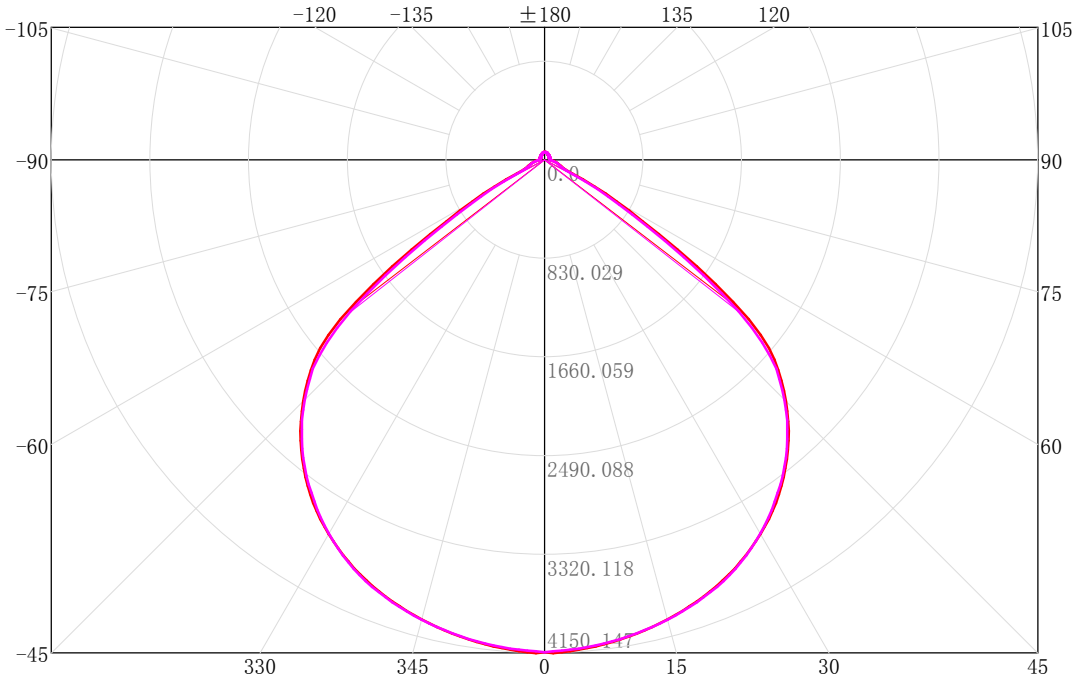


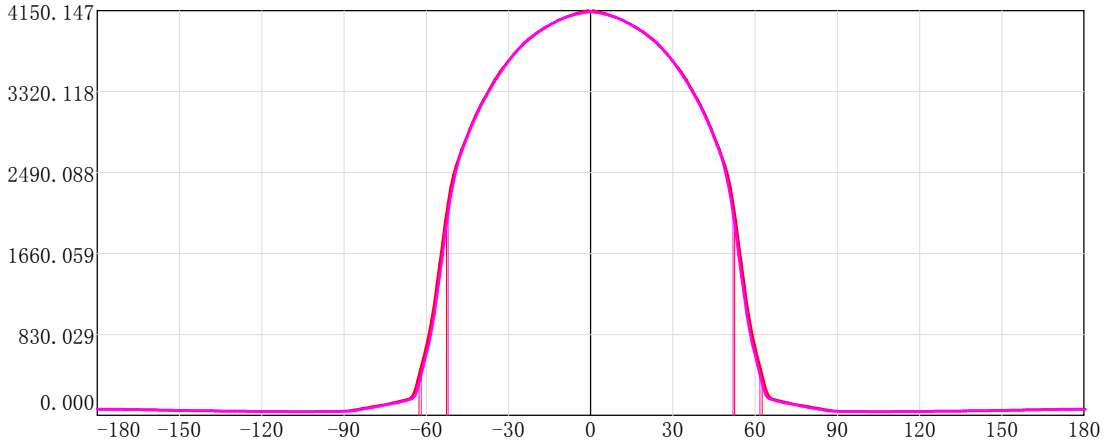
IES Indoor Report
Photometric Filename:HB060ME2I-CM D110.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HB060ME2I-CM D110	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 :	105.1	125.1	
C90.0_270.0 :	104.0	123.6	

IES Indoor Report
Photometric Filename:HB060ME2I-CM D110.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	3.96	3.96	0.04	0.04	47.0-48.0	215.07	7170.23	2.17	72.43
1.0-2.0	11.87	15.84	0.12	0.16	48.0-49.0	211.48	7381.71	2.14	74.56
2.0-3.0	19.76	35.59	0.20	0.36	49.0-50.0	206.93	7588.65	2.09	76.65
3.0-4.0	27.61	63.21	0.28	0.64	50.0-51.0	201.20	7789.85	2.03	78.69
4.0-5.0	35.43	98.64	0.36	1.00	51.0-52.0	193.90	7983.75	1.96	80.64
5.0-6.0	43.19	141.83	0.44	1.43	52.0-53.0	184.83	8168.58	1.87	82.51
6.0-7.0	50.91	192.74	0.51	1.95	53.0-54.0	173.79	8342.37	1.76	84.27
7.0-8.0	58.56	251.30	0.59	2.54	54.0-55.0	160.63	8503.00	1.62	85.89
8.0-9.0	66.15	317.45	0.67	3.21	55.0-56.0	145.24	8648.24	1.47	87.36
9.0-10.0	73.67	391.12	0.74	3.95	56.0-57.0	128.00	8776.24	1.29	88.65
10.0-11.0	81.10	472.21	0.82	4.77	57.0-58.0	110.00	8886.24	1.11	89.76
11.0-12.0	88.44	560.65	0.89	5.66	58.0-59.0	92.51	8978.75	0.93	90.69
12.0-13.0	95.69	656.34	0.97	6.63	59.0-60.0	76.28	9055.03	0.77	91.46
13.0-14.0	102.84	759.18	1.04	7.67	60.0-61.0	61.61	9116.65	0.62	92.09
14.0-15.0	109.88	869.05	1.11	8.78	61.0-62.0	48.37	9165.01	0.49	92.58
15.0-16.0	116.80	985.86	1.18	9.96	62.0-63.0	36.37	9201.38	0.37	92.94
16.0-17.0	123.61	1109.46	1.25	11.21	63.0-64.0	26.64	9228.02	0.27	93.21
17.0-18.0	130.29	1239.75	1.32	12.52	64.0-65.0	20.66	9248.69	0.21	93.42
18.0-19.0	136.82	1376.57	1.38	13.90	65.0-66.0	18.12	9266.81	0.18	93.60
19.0-20.0	143.21	1519.78	1.45	15.35	66.0-67.0	17.13	9283.93	0.17	93.78
20.0-21.0	149.42	1669.20	1.51	16.86	67.0-68.0	16.40	9300.33	0.17	93.94
21.0-22.0	155.46	1824.66	1.57	18.43	68.0-69.0	15.70	9316.04	0.16	94.10
22.0-23.0	161.33	1985.99	1.63	20.06	69.0-70.0	15.05	9331.09	0.15	94.25
23.0-24.0	167.01	2153.01	1.69	21.75	70.0-71.0	14.47	9345.56	0.15	94.40
24.0-25.0	172.50	2325.51	1.74	23.49	71.0-72.0	13.93	9359.49	0.14	94.54
25.0-26.0	177.78	2503.29	1.80	25.29	72.0-73.0	13.43	9372.92	0.14	94.68
26.0-27.0	182.83	2686.13	1.85	27.13	73.0-74.0	12.93	9385.85	0.13	94.81
27.0-28.0	187.65	2873.78	1.90	29.03	74.0-75.0	12.40	9398.24	0.13	94.93
28.0-29.0	192.22	3066.00	1.94	30.97	75.0-76.0	11.86	9410.10	0.12	95.05
29.0-30.0	196.54	3262.54	1.99	32.95	76.0-77.0	11.32	9421.42	0.11	95.17
30.0-31.0	200.59	3463.12	2.03	34.98	77.0-78.0	10.78	9432.20	0.11	95.27
31.0-32.0	204.36	3667.48	2.06	37.05	78.0-79.0	10.25	9442.45	0.10	95.38
32.0-33.0	207.84	3875.32	2.10	39.14	79.0-80.0	9.70	9452.15	0.10	95.48
33.0-34.0	211.02	4086.34	2.13	41.28	80.0-81.0	9.11	9461.26	0.09	95.57
34.0-35.0	213.89	4300.24	2.16	43.44	81.0-82.0	8.56	9469.82	0.09	95.65
35.0-36.0	216.44	4516.68	2.19	45.62	82.0-83.0	8.04	9477.87	0.08	95.74
36.0-37.0	218.66	4735.33	2.21	47.83	83.0-84.0	7.49	9485.36	0.08	95.81
37.0-38.0	220.53	4955.86	2.23	50.06	84.0-85.0	6.85	9492.21	0.07	95.88
38.0-39.0	222.00	5177.86	2.24	52.30	85.0-86.0	6.25	9498.46	0.06	95.94
39.0-40.0	223.06	5400.91	2.25	54.55	86.0-87.0	5.75	9504.22	0.06	96.00
40.0-41.0	223.70	5624.62	2.26	56.81	87.0-88.0	5.34	9509.56	0.05	96.06
41.0-42.0	223.92	5848.54	2.26	59.08	88.0-89.0	5.07	9514.63	0.05	96.11
42.0-43.0	223.72	6072.26	2.26	61.34	89.0-90.0	4.94	9519.57	0.05	96.16
43.0-44.0	223.05	6295.30	2.25	63.59	90.0-91.0	4.87	9524.44	0.05	96.21
44.0-45.0	221.84	6517.14	2.24	65.83	91.0-92.0	4.81	9529.24	0.05	96.25
45.0-46.0	220.13	6737.27	2.22	68.05	92.0-93.0	4.75	9533.99	0.05	96.30
46.0-47.0	217.88	6955.15	2.20	70.25	93.0-94.0	4.70	9538.69	0.05	96.35

IES Indoor Report
Photometric Filename:HB060ME2I-CM D110.IES

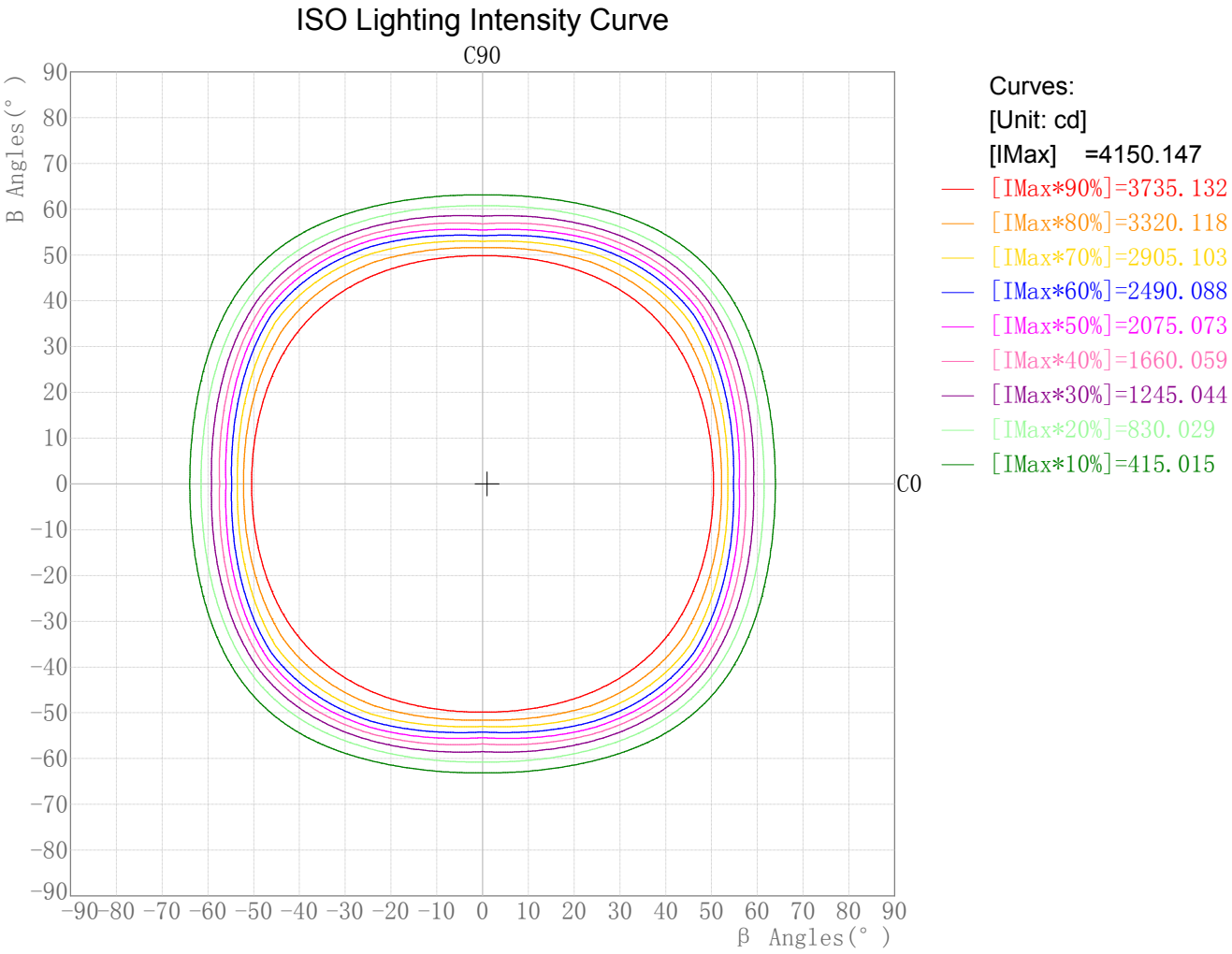
Zonal Flux Tabulation - (Cont.)

Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
94.0-95.0	4.65	9543.34	0.05	96.40
95.0-96.0	4.61	9547.94	0.05	96.44
96.0-97.0	4.56	9552.50	0.05	96.49
97.0-98.0	4.52	9557.02	0.05	96.54
98.0-99.0	4.48	9561.51	0.05	96.58
99.0-100.0	4.45	9565.96	0.04	96.63
100.0-101.0	4.42	9570.38	0.04	96.67
101.0-102.0	4.39	9574.77	0.04	96.71
102.0-103.0	4.37	9579.14	0.04	96.76
103.0-104.0	4.34	9583.48	0.04	96.80
104.0-105.0	4.32	9587.80	0.04	96.85
105.0-106.0	4.29	9592.10	0.04	96.89
106.0-107.0	4.28	9596.37	0.04	96.93
107.0-108.0	4.26	9600.63	0.04	96.98
108.0-109.0	4.24	9604.87	0.04	97.02
109.0-110.0	4.23	9609.10	0.04	97.06
110.0-111.0	4.21	9613.31	0.04	97.10
111.0-112.0	4.20	9617.50	0.04	97.15
112.0-113.0	4.18	9621.69	0.04	97.19
113.0-114.0	4.17	9625.86	0.04	97.23
114.0-115.0	4.16	9630.02	0.04	97.27
115.0-116.0	4.14	9634.16	0.04	97.31
116.0-117.0	4.13	9638.29	0.04	97.36
117.0-118.0	4.12	9642.41	0.04	97.40
118.0-119.0	4.10	9646.51	0.04	97.44
119.0-120.0	4.08	9650.60	0.04	97.48
120.0-121.0	4.07	9654.67	0.04	97.52
121.0-122.0	4.05	9658.71	0.04	97.56
122.0-123.0	4.03	9662.74	0.04	97.60
123.0-124.0	4.01	9666.74	0.04	97.64
124.0-125.0	3.98	9670.73	0.04	97.68
125.0-126.0	3.96	9674.69	0.04	97.72
126.0-127.0	3.94	9678.62	0.04	97.76
127.0-128.0	3.91	9682.53	0.04	97.80
128.0-129.0	3.88	9686.41	0.04	97.84
129.0-130.0	3.85	9690.26	0.04	97.88
130.0-131.0	3.82	9694.08	0.04	97.92
131.0-132.0	3.78	9697.86	0.04	97.96
132.0-133.0	3.75	9701.61	0.04	98.00
133.0-134.0	3.71	9705.32	0.04	98.03
134.0-135.0	3.67	9708.99	0.04	98.07
135.0-136.0	3.63	9712.62	0.04	98.11
136.0-137.0	3.58	9716.20	0.04	98.14
137.0-138.0	3.54	9719.74	0.04	98.18
138.0-139.0	3.49	9723.23	0.04	98.21
139.0-140.0	3.44	9726.67	0.03	98.25
140.0-141.0	3.40	9730.07	0.03	98.28
141.0-142.0	3.35	9733.42	0.03	98.32
142.0-143.0	3.30	9736.72	0.03	98.35
143.0-144.0	3.25	9739.97	0.03	98.38
144.0-145.0	3.20	9743.17	0.03	98.42
145.0-146.0	3.15	9746.32	0.03	98.45
146.0-147.0	3.10	9749.42	0.03	98.48
147.0-148.0	3.04	9752.46	0.03	98.51
148.0-149.0	2.99	9755.45	0.03	98.54
149.0-150.0	2.93	9758.38	0.03	98.57
150.0-151.0	2.87	9761.26	0.03	98.60
151.0-152.0	2.81	9764.07	0.03	98.63
152.0-153.0	2.75	9766.82	0.03	98.65
153.0-154.0	2.68	9769.50	0.03	98.68
154.0-155.0	2.61	9772.11	0.03	98.71
155.0-156.0	2.54	9774.65	0.03	98.73
156.0-157.0	2.47	9777.12	0.02	98.76
157.0-158.0	2.39	9779.52	0.02	98.78
158.0-159.0	2.32	9781.83	0.02	98.81
159.0-160.0	2.23	9784.07	0.02	98.83
160.0-161.0	2.15	9786.22	0.02	98.85
161.0-162.0	2.06	9788.28	0.02	98.87
162.0-163.0	1.97	9790.25	0.02	98.89
163.0-164.0	1.88	9792.14	0.02	98.91
164.0-165.0	1.79	9793.92	0.02	98.93
165.0-166.0	1.69	9795.61	0.02	98.95
166.0-167.0	1.59	9797.20	0.02	98.96
167.0-168.0	1.48	9798.68	0.01	98.98
168.0-169.0	1.38	9800.06	0.01	98.99
169.0-170.0	1.27	9801.32	0.01	99.00
170.0-171.0	1.15	9802.48	0.01	99.01
171.0-172.0	1.04	9803.52	0.01	99.03
172.0-173.0	0.92	9804.44	0.01	99.03
173.0-174.0	0.80	9805.24	0.01	99.04
174.0-175.0	0.68	9805.93	0.01	99.05
175.0-176.0	0.56	9806.49	0.01	99.06
176.0-177.0	0.44	9806.93	0.00	99.06
177.0-178.0	0.31	9807.24	0.00	99.06
178.0-179.0	0.19	9807.43	0.00	99.06
179.0-180.0	0.06	9807.49	0.00	99.07

IES Indoor Report
Photometric Filename:HB060ME2I-CM D110.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HB060ME2I-CM D110	Lum.Catelog: LED HighBay Mild	Test ID:
Lamp Name:	Lamp Catelog: CREE3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/04/10



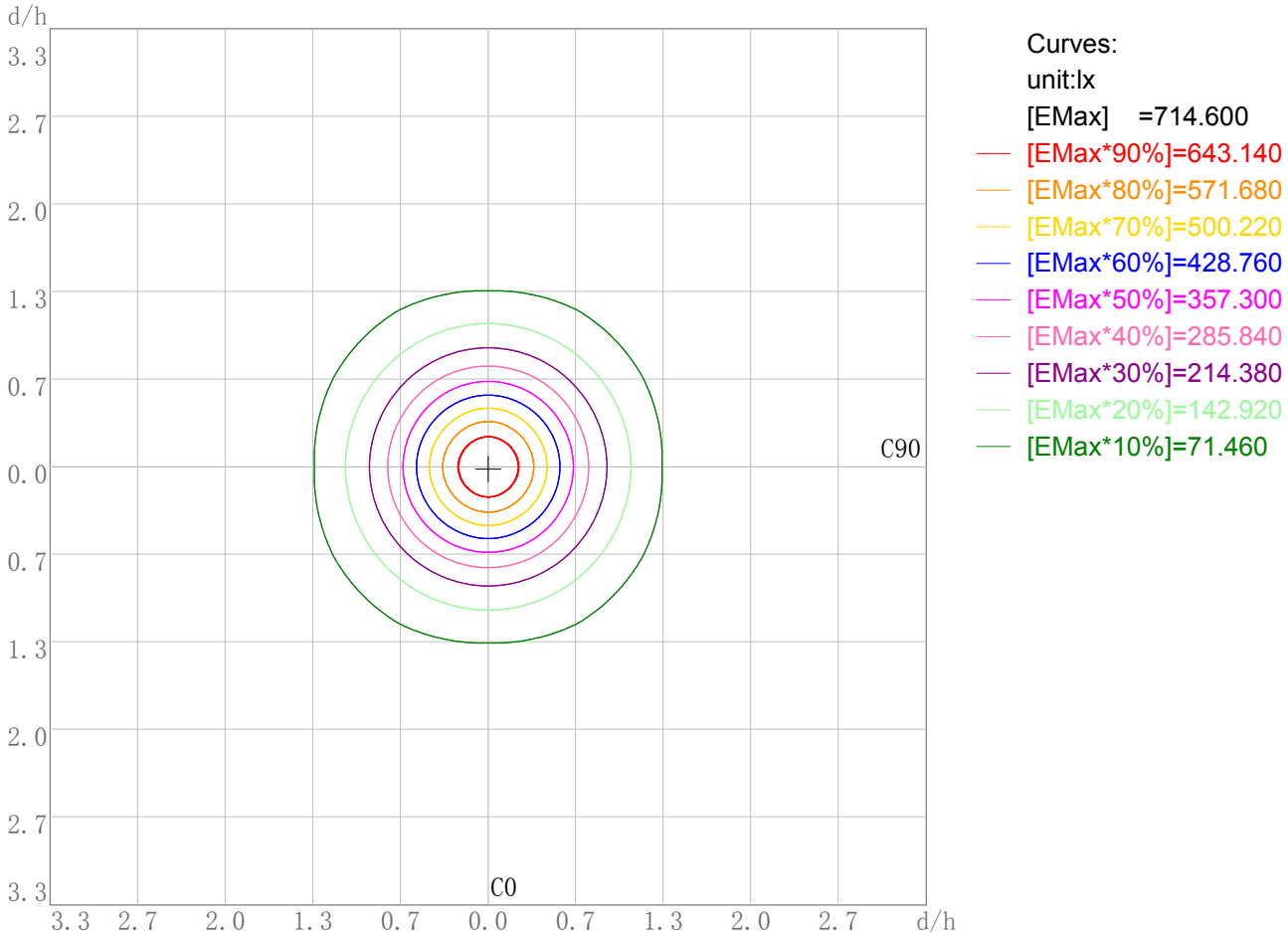
Maximum Light Intensity(cd): 4150.15
Maximum Cand.@Angle: H=1.0°,V=0.0°

IES Indoor Report
Photometric Filename:HB060ME2I-CM D110.IES

Plane ISO-Illuminance Diagram

Lum.Name: HB060ME2I-CM D110	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



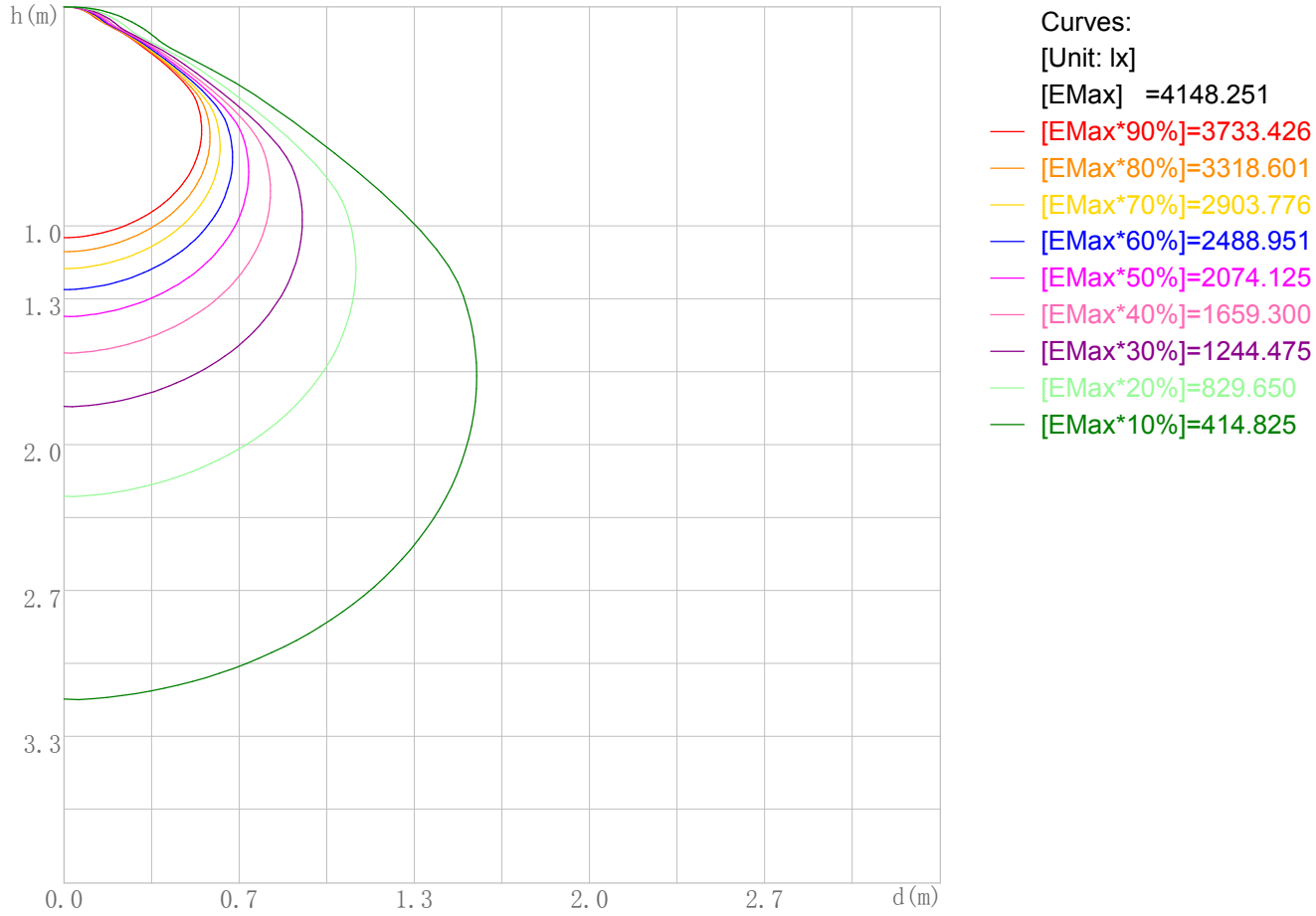
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 714.60
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Indoor Report
Photometric Filename:HB060ME2I-CM D110.IES

Space ISO Illuminance Diagram

Lum.Name: HB060ME2I-CM D110	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

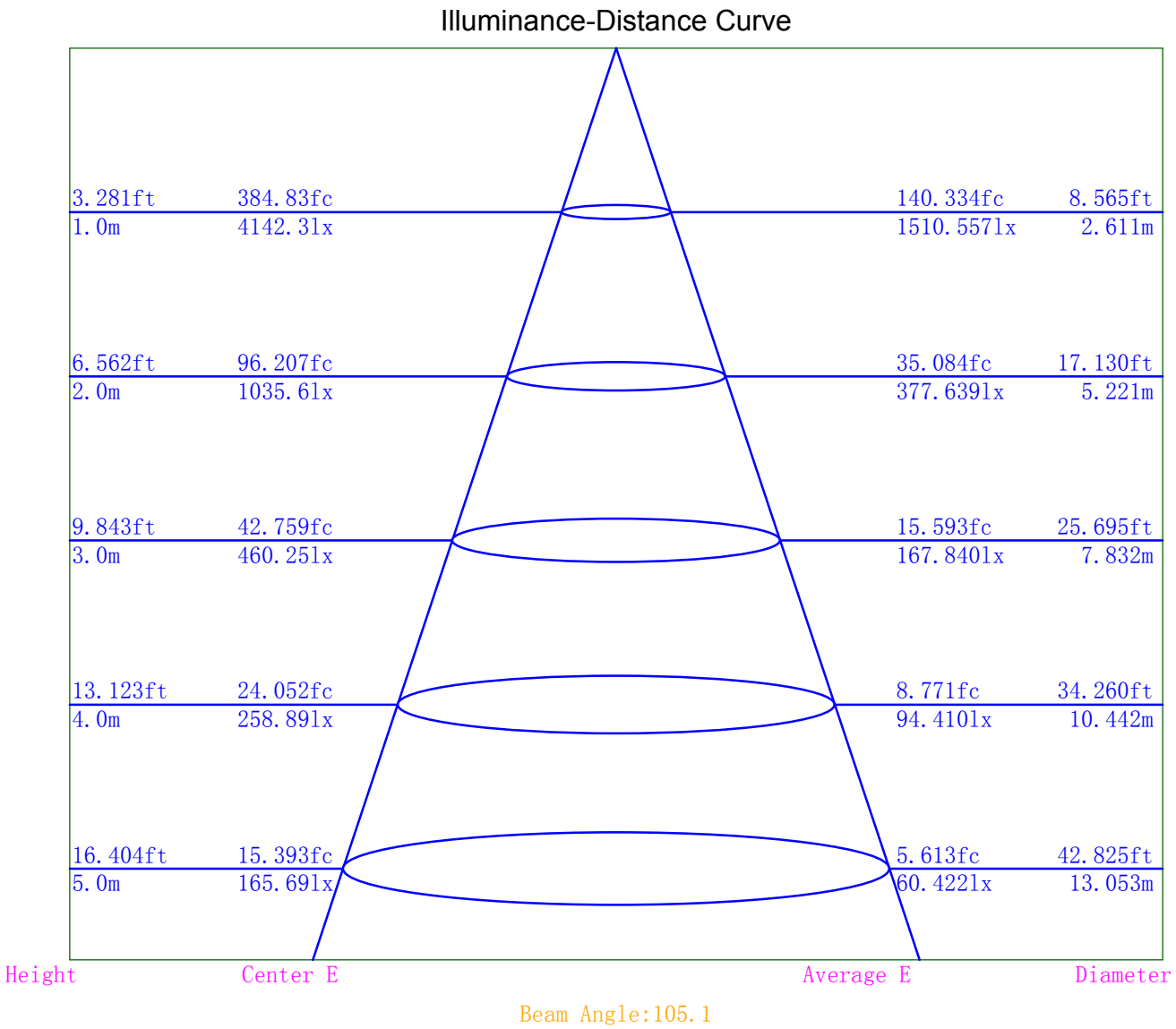


Space Plane Maximum Illuminance and @Angle:4148.25lx,1.0deg
Plane Maximum Lighting Intensity and @Angle:4150.147cd,0eg

IES Indoor Report
Photometric Filename:HB060ME2I-CM D110.IES

Illuminance-Distance Diagram

Lum.Name: HB060ME2I-CM D110	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:HB060ME2I-CM D110.IES

Indoor Luminance Limiting Curves

Lum.Name: HB060ME2I-CM D110	Lum.Catelog: LED HighBay Mild	Test ID:
Lamp Name:	Lamp Catelog: CREE3030	Test Lab:
Manufacture:	Test Machine:GON-2000	Test Date: 2020/04/10

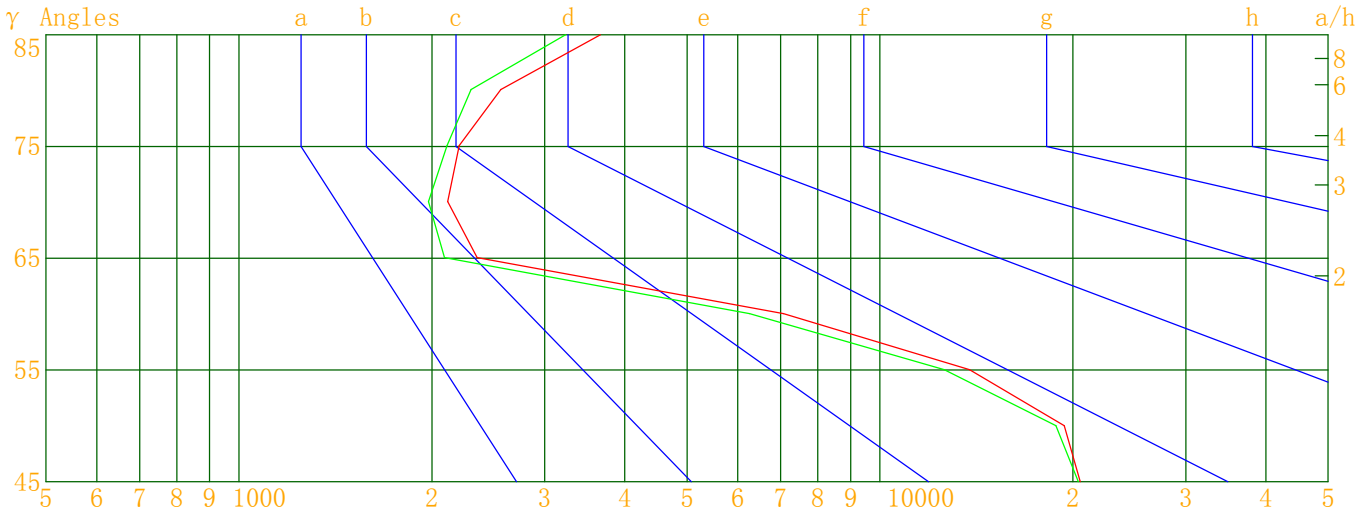
Glare Grade Table

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	20528	19392	13797	7072	2352	2116	2207	2561	3665
C90	20401	18816	12602	6259	2093	1975	2112	2303	3231

Luminance Limiting Curve



Luminous Size: Length(m)=0.430 Width(m)=0.310 Height(m)=0.150 Area(m^2)=0.197800

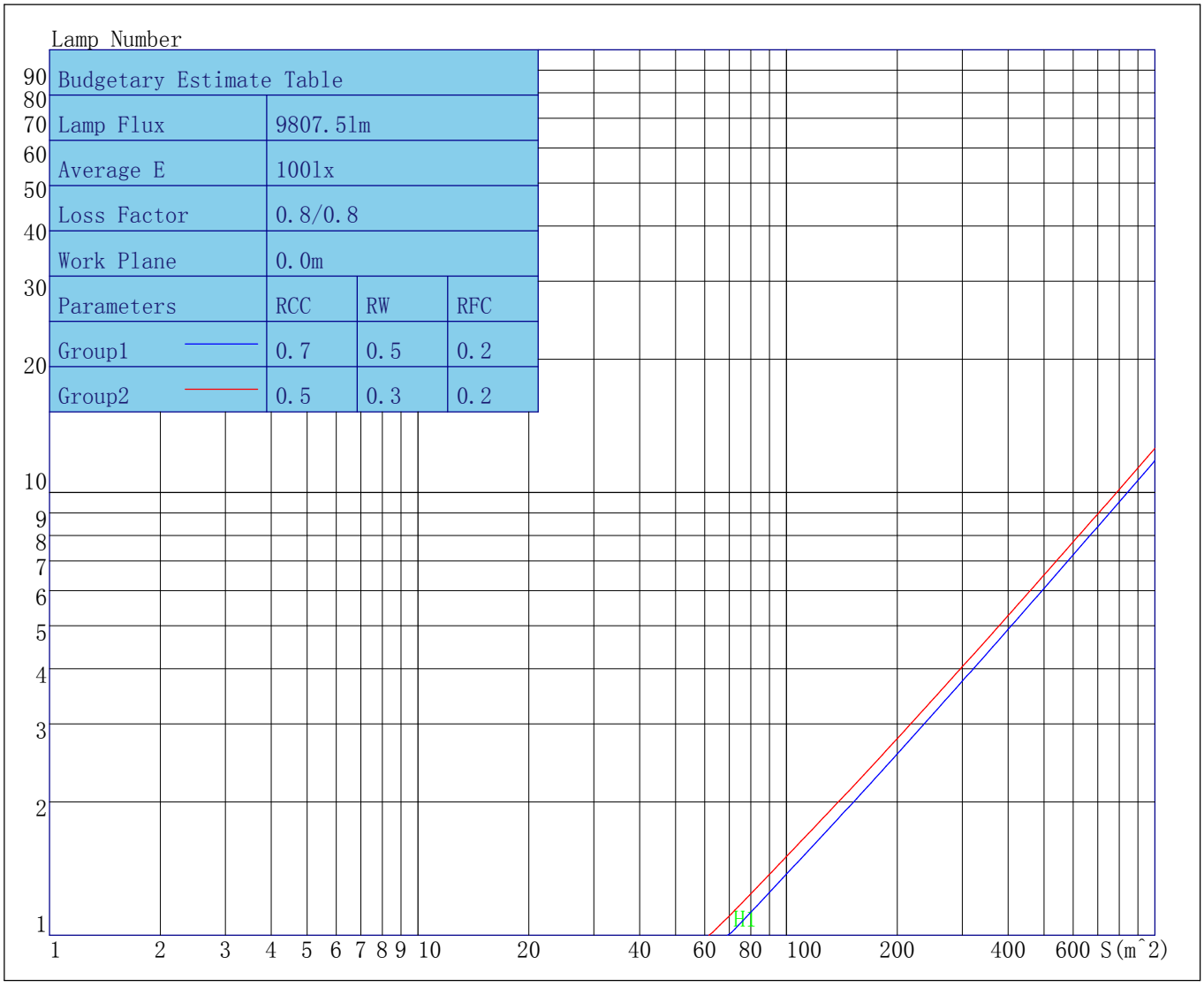
Luminous Type: Without Luminous Side

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

IES Indoor Report
Photometric Filename:HB060ME2I-CM D110.IES

Indoor Budgetary Estimate Table

Lum.Name: HB060ME2I-CM D110	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:HB060ME2I-CM D110.IES

Indoor Coefficient of Utilization Table

Lum.Name: HB060ME2I-CM D110	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	108	108	108	103	103	103	98	98	98	96
1	109	106	102	99	106	103	100	97	98	96	94	94	92	90	90	89	87	85
2	101	95	89	84	99	92	87	83	89	84	81	85	82	79	82	79	76	74
3	93	85	78	72	91	83	77	72	80	74	70	77	72	69	74	70	67	65
4	86	76	69	63	84	75	68	62	72	66	61	69	64	60	67	63	59	57
5	80	69	61	55	78	67	60	55	65	59	54	63	57	53	61	56	52	50
6	74	62	54	48	72	61	54	48	59	52	48	57	51	47	56	50	46	44
7	69	57	49	43	67	56	48	43	54	47	42	52	46	42	51	46	41	40
8	64	52	44	39	62	51	44	38	49	43	38	48	42	38	47	41	37	36
9	60	48	40	35	58	47	40	35	46	39	34	44	38	34	43	38	34	32
10	56	44	37	32	55	43	36	31	42	36	31	41	35	31	40	35	31	29

IES Indoor Report
Photometric Filename:HB060ME2I-CM D110.IES

Unified Glare Rating Table

Lum.Name: HB060ME2I-CM D110	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	21.3	22.7	21.7	23.1	23.5	21.1	22.5	21.5	22.8	23.2
	Y=3H	21.3	22.5	21.7	22.9	23.3	21.0	22.2	21.4	22.6	23.1
	Y=4H	21.2	22.4	21.7	22.8	23.2	21.0	22.1	21.4	22.5	23.0
	Y=6H	21.2	22.3	21.7	22.7	23.2	21.0	22.0	21.4	22.4	22.9
	Y=8H	21.2	22.2	21.7	22.7	23.1	21.0	21.9	21.4	22.4	22.9
	Y=12H	21.2	22.2	21.7	22.6	23.1	21.0	21.9	21.4	22.3	22.8
X=4H	Y=2H	21.4	22.5	21.8	22.9	23.4	21.1	22.3	21.6	22.7	23.1
	Y=3H	21.3	22.3	21.8	22.7	23.2	21.1	22.0	21.6	22.5	23.0
	Y=4H	21.3	22.1	21.8	22.6	23.1	21.1	21.9	21.6	22.4	22.9
	Y=6H	21.4	22.1	21.9	22.6	23.1	21.1	21.8	21.6	22.3	22.9
	Y=8H	21.4	22.0	21.9	22.5	23.1	21.1	21.8	21.6	22.3	22.8
	Y=12H	21.4	22.0	21.9	22.5	23.1	21.1	21.7	21.7	22.3	22.8
X=8H	Y=4H	21.3	21.9	21.8	22.4	22.9	21.0	21.7	21.5	22.2	22.7
	Y=6H	21.3	21.8	21.8	22.4	23.0	21.1	21.6	21.6	22.1	22.8
	Y=8H	21.3	21.8	21.9	22.4	22.9	21.1	21.6	21.7	22.1	22.7
	Y=12H	21.4	21.9	22.0	22.4	23.0	21.2	21.6	21.7	22.1	22.8
X=12H	Y=4H	21.2	21.8	21.8	22.3	22.9	21.0	21.6	21.5	22.1	22.7
	Y=6H	21.3	21.8	21.8	22.3	22.9	21.0	21.5	21.6	22.0	22.7
	Y=8H	21.3	21.8	21.9	22.3	22.9	21.1	21.5	21.6	22.1	22.7
Variations with the objerver position at spacings											
S=1.0H		0.2/-0.2					0.3/-0.3				
S=1.5H		0.4/-0.4					0.4/-0.5				
S=2.0H		0.5/-0.5					0.5/-0.6				
Reduced UGR Table:											
Nordic Standard Table:		BK0					BK0				
Correction Value		0.5					0.4				

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

IES Indoor Report
Photometric Filename:HB060ME2I-CM D110.IES

Candela Tabulation

V/H	C0.0	C30.0	C60.0	C90.0
γ 0.0	4142.27	4142.27	4142.27	4142.27
γ 1.0	4150.15	4137.07	4136.36	4133.52
γ 2.0	4144.86	4131.96	4131.64	4130.54
γ 3.0	4138.34	4125.83	4125.96	4126.39
γ 4.0	4131.30	4118.72	4119.28	4121.15
γ 5.0	4123.30	4110.77	4111.74	4114.74
γ 6.0	4114.80	4102.01	4103.02	4107.53
γ 7.0	4105.20	4092.53	4093.49	4099.13
γ 8.0	4095.17	4083.09	4083.68	4090.18
γ 9.0	4084.62	4072.58	4072.58	4080.73
γ 10.0	4072.83	4060.89	4060.46	4069.83
γ 11.0	4060.30	4048.13	4047.82	4058.24
γ 12.0	4047.00	4034.83	4034.52	4045.87
γ 13.0	4032.75	4020.40	4020.64	4032.62
γ 14.0	4017.34	4005.13	4005.83	4018.66
γ 15.0	4000.96	3989.16	3990.07	4004.06
γ 16.0	3984.36	3972.21	3973.82	3988.29
γ 17.0	3967.01	3954.30	3956.67	3971.79
γ 18.0	3948.77	3935.74	3938.10	3954.34
γ 19.0	3929.85	3916.12	3918.68	3935.72
γ 20.0	3909.94	3894.83	3897.50	3916.14
γ 21.0	3888.70	3872.29	3874.96	3895.33
γ 22.0	3866.38	3848.17	3851.28	3873.61
γ 23.0	3842.61	3823.34	3826.91	3850.26
γ 24.0	3817.20	3797.60	3801.46	3824.93
γ 25.0	3790.36	3770.75	3775.11	3797.50
γ 26.0	3761.71	3742.89	3747.06	3767.78
γ 27.0	3731.54	3713.78	3717.22	3735.99
γ 28.0	3700.16	3683.56	3685.54	3702.55
γ 29.0	3667.72	3652.09	3651.64	3667.03
γ 30.0	3633.71	3619.06	3615.72	3629.91
γ 31.0	3598.62	3584.56	3577.73	3590.96
γ 32.0	3561.80	3548.62	3537.87	3550.67
γ 33.0	3522.96	3510.49	3495.87	3508.54
γ 34.0	3481.52	3470.96	3452.14	3465.07
γ 35.0	3437.30	3429.21	3407.48	3420.48
γ 36.0	3389.71	3384.58	3360.67	3374.82
γ 37.0	3341.15	3337.41	3313.20	3328.24
γ 38.0	3291.61	3286.76	3263.33	3278.49
γ 39.0	3240.16	3232.76	3211.01	3225.54
γ 40.0	3186.16	3175.64	3156.47	3169.93
γ 41.0	3129.21	3116.57	3099.06	3112.18
γ 42.0	3069.33	3054.95	3037.86	3051.74
γ 43.0	3006.97	2990.71	2974.63	2992.51
γ 44.0	2940.60	2924.01	2907.24	2924.43
γ 45.0	2871.10	2854.52	2836.47	2853.44
γ 46.0	2799.68	2781.37	2762.77	2778.56

IES Indoor Report
Photometric Filename:HB060ME2I-CM D110.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0
γ 47.0	2724.85	2704.15	2684.98	2699.40
γ 48.0	2645.09	2622.82	2602.11	2624.25
γ 49.0	2561.05	2537.72	2515.52	2512.75
γ 50.0	2465.59	2447.98	2422.63	2392.37
γ 51.0	2339.59	2352.32	2322.33	2245.09
γ 52.0	2179.86	2250.50	2213.80	2069.65
γ 53.0	1987.26	2140.89	2088.56	1869.82
γ 54.0	1776.55	2017.93	1939.18	1651.41
γ 55.0	1565.36	1866.11	1760.85	1429.71
γ 56.0	1348.72	1679.55	1554.05	1220.54
γ 57.0	1147.80	1461.53	1327.66	1033.95
γ 58.0	973.32	1233.74	1100.83	869.53
γ 59.0	828.53	1009.87	890.42	732.25
γ 60.0	699.41	800.95	702.83	619.01
γ 61.0	591.53	618.19	542.90	506.99
γ 62.0	479.77	458.22	407.41	391.11
γ 63.0	362.39	329.29	293.08	277.34
γ 64.0	262.17	237.18	217.01	202.59
γ 65.0	196.62	193.58	186.50	174.97
γ 66.0	173.47	178.97	175.53	165.31
γ 67.0	163.68	170.42	167.29	156.60
γ 68.0	156.22	162.66	158.83	147.51
γ 69.0	149.44	155.02	150.50	139.61
γ 70.0	143.14	148.05	142.87	133.62
γ 71.0	137.08	142.19	135.51	128.67
γ 72.0	130.99	136.73	128.98	123.96
γ 73.0	125.18	131.46	123.47	119.26
γ 74.0	118.94	125.91	118.22	113.86
γ 75.0	112.98	119.86	112.89	108.10
γ 76.0	108.22	114.17	107.38	102.58
γ 77.0	104.00	108.12	101.73	95.96
γ 78.0	99.68	102.65	96.65	90.29
γ 79.0	94.17	97.61	91.04	85.09
γ 80.0	87.96	91.93	85.79	79.09
γ 81.0	83.27	85.66	79.74	74.67
γ 82.0	79.36	79.68	74.29	71.06
γ 83.0	74.79	75.11	69.20	66.13
γ 84.0	68.24	69.57	63.08	61.79
γ 85.0	63.19	62.50	57.12	55.71
γ 86.0	60.25	57.53	51.45	50.02
γ 87.0	55.43	53.30	47.14	46.37
γ 88.0	48.32	48.40	45.82	45.68
γ 89.0	45.61	45.81	45.13	45.02
γ 90.0	44.85	44.92	44.49	44.48
γ 91.0	44.06	44.32	43.98	43.95
γ 92.0	43.55	43.76	43.47	43.44
γ 93.0	43.09	43.29	43.03	43.05

IES Indoor Report
Photometric Filename:HB060ME2I-CM D110.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0
γ 94.0	42.66	42.84	42.55	42.65
γ 95.0	42.31	42.47	42.33	42.28
γ 96.0	42.03	42.14	41.89	41.98
γ 97.0	41.62	41.80	41.68	41.75
γ 98.0	41.43	41.47	41.38	41.46
γ 99.0	41.25	41.34	41.19	41.23
γ 100.0	41.06	41.15	41.02	41.11
γ 101.0	40.90	40.93	40.84	41.00
γ 102.0	40.86	40.86	40.80	40.80
γ 103.0	40.73	40.78	40.74	40.77
γ 104.0	40.65	40.75	40.65	40.73
γ 105.0	40.70	40.64	40.63	40.67
γ 106.0	40.58	40.67	40.59	40.62
γ 107.0	40.72	40.64	40.73	40.74
γ 108.0	40.75	40.70	40.75	40.77
γ 109.0	40.85	40.74	40.87	40.89
γ 110.0	40.94	40.85	40.98	41.00
γ 111.0	41.06	41.02	41.08	41.09
γ 112.0	41.22	41.09	41.24	41.26
γ 113.0	41.41	41.32	41.43	41.40
γ 114.0	41.55	41.53	41.63	41.60
γ 115.0	41.75	41.69	41.83	41.84
γ 116.0	41.94	41.88	42.05	42.06
γ 117.0	42.27	42.15	42.27	42.26
γ 118.0	42.33	42.40	42.52	42.50
γ 119.0	42.64	42.61	42.73	42.74
γ 120.0	42.82	42.86	42.95	42.98
γ 121.0	43.18	43.04	43.25	43.26
γ 122.0	43.43	43.30	43.40	43.57
γ 123.0	43.65	43.67	43.59	43.80
γ 124.0	43.98	43.88	43.88	44.14
γ 125.0	44.18	44.11	44.16	44.46
γ 126.0	44.52	44.42	44.52	44.71
γ 127.0	44.79	44.70	44.74	45.07
γ 128.0	45.07	45.01	45.04	45.29
γ 129.0	45.40	45.26	45.35	45.61
γ 130.0	45.64	45.50	45.61	45.95
γ 131.0	45.84	45.78	45.96	46.23
γ 132.0	46.10	46.09	46.17	46.50
γ 133.0	46.39	46.38	46.50	46.77
γ 134.0	46.60	46.70	46.85	47.05
γ 135.0	46.90	46.89	47.19	47.36
γ 136.0	47.10	47.10	47.40	47.65
γ 137.0	47.45	47.42	47.73	47.90
γ 138.0	47.69	47.68	48.06	48.16
γ 139.0	47.95	47.99	48.36	48.48
γ 140.0	48.19	48.36	48.73	48.78

IES Indoor Report
Photometric Filename:HB060ME2I-CM D110.IES

Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0
γ 141.0	48.57	48.71	49.08	49.21
γ 142.0	48.97	49.02	49.37	49.56
γ 143.0	49.33	49.55	49.85	50.01
γ 144.0	49.66	49.91	50.30	50.37
γ 145.0	50.09	50.34	50.66	50.73
γ 146.0	50.52	50.78	51.18	51.20
γ 147.0	51.01	51.30	51.60	51.69
γ 148.0	51.46	51.74	52.15	52.15
γ 149.0	52.03	52.24	52.63	52.63
γ 150.0	52.55	52.76	53.21	53.13
γ 151.0	53.12	53.26	53.71	53.61
γ 152.0	53.67	53.81	54.30	54.22
γ 153.0	54.25	54.35	54.81	54.72
γ 154.0	54.76	54.91	55.32	55.21
γ 155.0	55.26	55.47	55.88	55.80
γ 156.0	55.90	56.09	56.45	56.27
γ 157.0	56.49	56.58	57.11	56.86
γ 158.0	57.10	57.09	57.55	57.47
γ 159.0	57.61	57.75	58.13	58.00
γ 160.0	58.26	58.31	58.64	58.55
γ 161.0	58.83	58.89	59.28	59.05
γ 162.0	59.36	59.42	59.74	59.66
γ 163.0	60.03	60.04	60.29	60.10
γ 164.0	60.61	60.56	60.79	60.64
γ 165.0	61.14	61.18	61.37	61.25
γ 166.0	61.67	61.72	61.82	61.71
γ 167.0	62.26	62.18	62.32	62.22
γ 168.0	62.75	62.69	62.77	62.71
γ 169.0	63.32	63.11	63.18	63.12
γ 170.0	63.82	63.56	63.54	63.55
γ 171.0	64.15	63.95	63.95	63.99
γ 172.0	64.54	64.29	64.17	64.36
γ 173.0	64.88	64.68	64.49	64.69
γ 174.0	65.18	64.98	64.76	64.90
γ 175.0	65.39	65.23	64.94	65.29
γ 176.0	65.63	65.43	65.14	65.44
γ 177.0	65.78	65.58	65.23	65.61
γ 178.0	65.97	65.71	65.43	65.68
γ 179.0	66.03	65.74	65.50	65.77
γ 180.0	65.81	65.81	65.81	65.81