IES Indoor Report
Photometric Filename:HB200ME4I-CM 30X90.IES

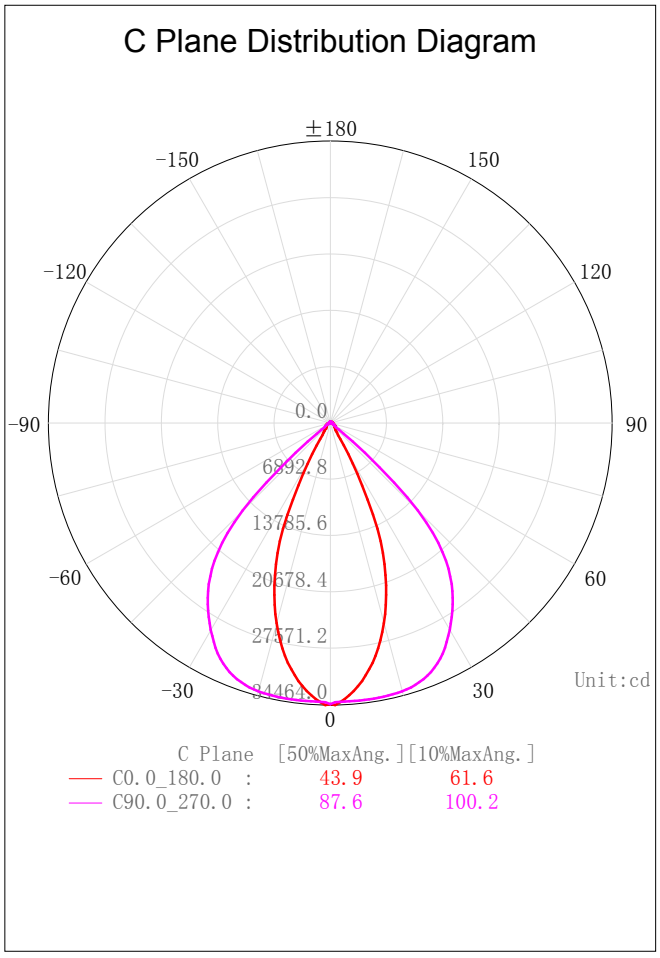
Indoor Luminaire Photometric Data

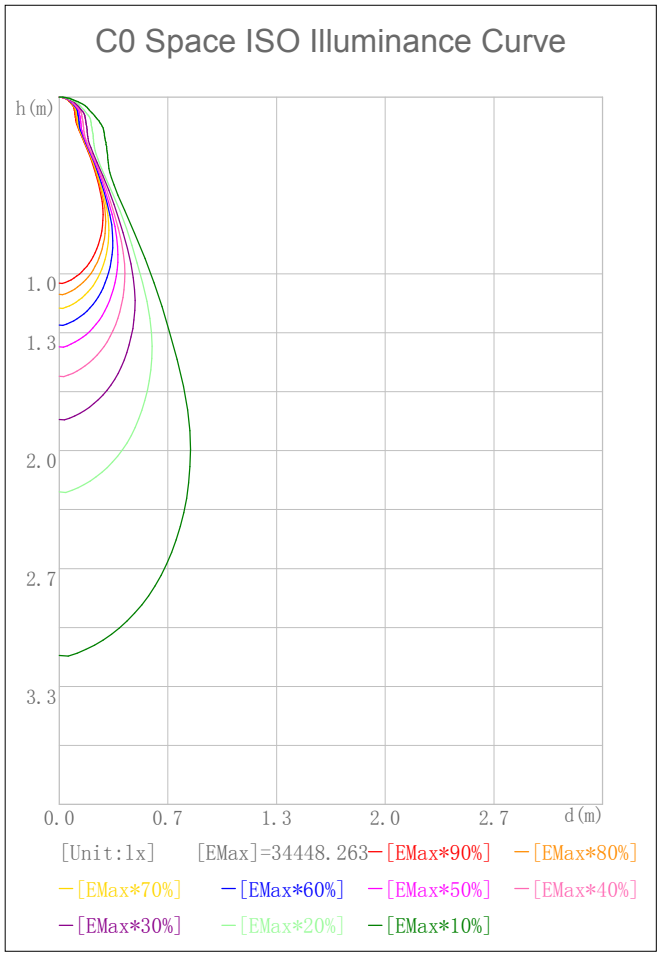
Description Information

Luminary Name: HB200ME4I-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):	32000.000	Luminary Flux(lm): 31508.638	Field Angle(10%Imax): 61.6(°)
Rated Power(W):		Luminary Efficiency: 98.46%	Down Lumens&Percent: 30894.386lm 98.05%
Rated Voltage(V):		Luminary EER(lm/W): 156.604	Up Lumens&Percent: 614.252lm 1.95%
Tested Power(W):	201.200	Max.Candela(cd): 34464.008	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):221.5,0.912,0.986		Beam Angle(50%Imax): 43.9(°)	ErP Φuse(90°): 28662.652lm
Lamp Size(W*L*H):0.362m*0.487m*0.120m		Left=-21.9°,Right=21.9°	IRF(%): 241.303



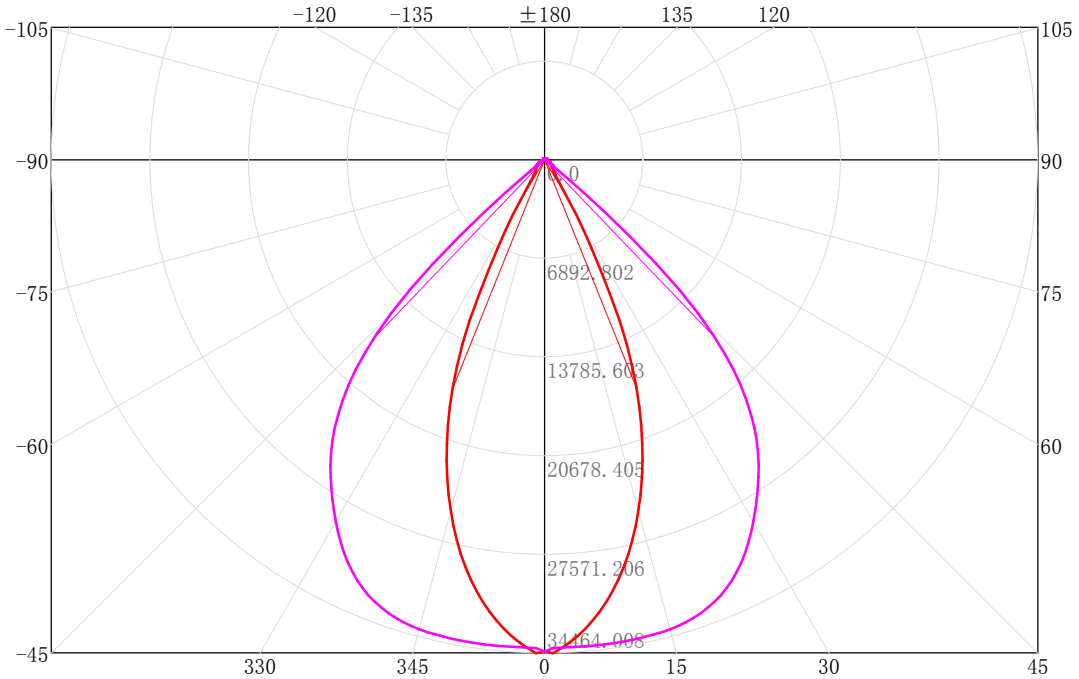


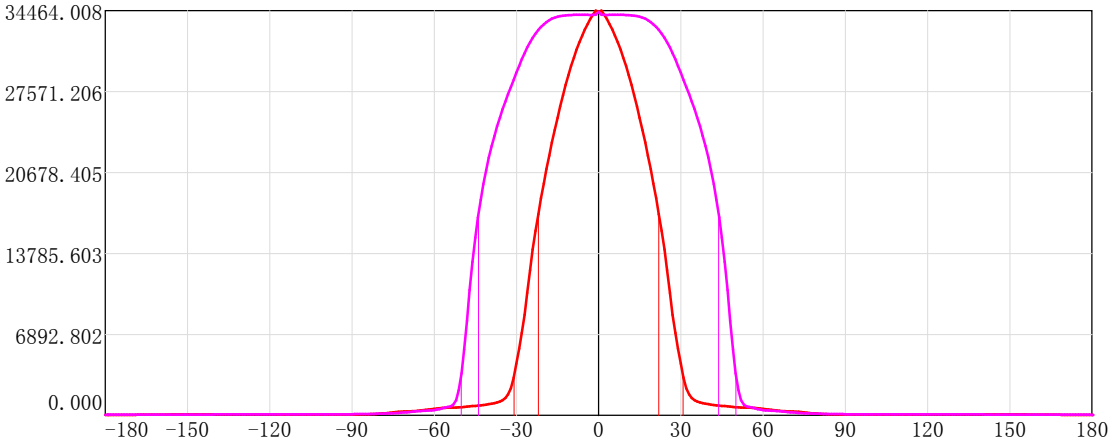
IES Indoor Report
Photometric Filename:HB200ME4I-CM 30X90.IES

2D Plane Light Intensity Distribution Curve

Lum.Name: HB200ME4I-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:HB200ME4I-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	32.78	32.78	0.10	0.10	47.0-48.0	198.11	29390.00	0.62	91.84
1.0-2.0	97.76	130.53	0.31	0.41	48.0-49.0	155.37	29545.37	0.49	92.33
2.0-3.0	161.81	292.35	0.51	0.91	49.0-50.0	118.25	29663.62	0.37	92.70
3.0-4.0	224.80	517.15	0.70	1.62	50.0-51.0	89.98	29753.60	0.28	92.98
4.0-5.0	286.57	803.72	0.90	2.51	51.0-52.0	71.30	29824.90	0.22	93.20
5.0-6.0	346.94	1150.66	1.08	3.60	52.0-53.0	60.70	29885.60	0.19	93.39
6.0-7.0	405.76	1556.42	1.27	4.86	53.0-54.0	55.34	29940.94	0.17	93.57
7.0-8.0	462.87	2019.29	1.45	6.31	54.0-55.0	52.41	29993.35	0.16	93.73
8.0-9.0	518.10	2537.39	1.62	7.93	55.0-56.0	50.32	30043.67	0.16	93.89
9.0-10.0	571.25	3108.64	1.79	9.71	56.0-57.0	48.33	30092.00	0.15	94.04
10.0-11.0	622.12	3730.77	1.94	11.66	57.0-58.0	46.26	30138.25	0.14	94.18
11.0-12.0	670.43	4401.20	2.10	13.75	58.0-59.0	44.23	30182.48	0.14	94.32
12.0-13.0	715.95	5117.15	2.24	15.99	59.0-60.0	42.33	30224.81	0.13	94.45
13.0-14.0	758.40	5875.55	2.37	18.36	60.0-61.0	40.59	30265.40	0.13	94.58
14.0-15.0	797.60	6673.15	2.49	20.85	61.0-62.0	38.94	30304.35	0.12	94.70
15.0-16.0	833.40	7506.55	2.60	23.46	62.0-63.0	37.37	30341.71	0.12	94.82
16.0-17.0	865.52	8372.06	2.70	26.16	63.0-64.0	35.85	30377.56	0.11	94.93
17.0-18.0	893.60	9265.66	2.79	28.96	64.0-65.0	34.33	30411.89	0.11	95.04
18.0-19.0	917.42	10183.08	2.87	31.82	65.0-66.0	32.79	30444.68	0.10	95.14
19.0-20.0	936.61	11119.69	2.93	34.75	66.0-67.0	31.30	30475.98	0.10	95.24
20.0-21.0	950.80	12070.48	2.97	37.72	67.0-68.0	29.88	30505.85	0.09	95.33
21.0-22.0	959.75	13030.23	3.00	40.72	68.0-69.0	28.51	30534.37	0.09	95.42
22.0-23.0	962.85	13993.08	3.01	43.73	69.0-70.0	27.15	30561.52	0.08	95.50
23.0-24.0	959.39	14952.47	3.00	46.73	70.0-71.0	25.84	30587.36	0.08	95.59
24.0-25.0	949.02	15901.49	2.97	49.69	71.0-72.0	24.61	30611.97	0.08	95.66
25.0-26.0	931.85	16833.34	2.91	52.60	72.0-73.0	23.38	30635.35	0.07	95.74
26.0-27.0	909.07	17742.41	2.84	55.45	73.0-74.0	22.13	30657.48	0.07	95.80
27.0-28.0	882.73	18625.14	2.76	58.20	74.0-75.0	20.89	30678.38	0.07	95.87
28.0-29.0	853.50	19478.64	2.67	60.87	75.0-76.0	19.70	30698.08	0.06	95.93
29.0-30.0	820.57	20299.21	2.56	63.44	76.0-77.0	18.58	30716.65	0.06	95.99
30.0-31.0	784.21	21083.41	2.45	65.89	77.0-78.0	17.54	30734.19	0.05	96.04
31.0-32.0	746.61	21830.02	2.33	68.22	78.0-79.0	16.59	30750.78	0.05	96.10
32.0-33.0	710.65	22540.67	2.22	70.44	79.0-80.0	15.72	30766.50	0.05	96.15
33.0-34.0	677.44	23218.11	2.12	72.56	80.0-81.0	14.94	30781.43	0.05	96.19
34.0-35.0	646.17	23864.28	2.02	74.58	81.0-82.0	14.26	30795.69	0.04	96.24
35.0-36.0	616.27	24480.55	1.93	76.50	82.0-83.0	13.71	30809.40	0.04	96.28
36.0-37.0	587.32	25067.87	1.84	78.34	83.0-84.0	13.24	30822.64	0.04	96.32
37.0-38.0	558.52	25626.39	1.75	80.08	84.0-85.0	12.79	30835.43	0.04	96.36
38.0-39.0	529.65	26156.04	1.66	81.74	85.0-86.0	12.35	30847.78	0.04	96.40
39.0-40.0	500.53	26656.58	1.56	83.30	86.0-87.0	12.01	30859.79	0.04	96.44
40.0-41.0	470.22	27126.80	1.47	84.77	87.0-88.0	11.75	30871.55	0.04	96.47
41.0-42.0	437.90	27564.70	1.37	86.14	88.0-89.0	11.53	30883.07	0.04	96.51
42.0-43.0	403.43	27968.12	1.26	87.40	89.0-90.0	11.31	30894.39	0.04	96.54
43.0-44.0	366.76	28334.88	1.15	88.55	90.0-91.0	11.11	30905.50	0.03	96.58
44.0-45.0	327.77	28662.65	1.02	89.57	91.0-92.0	10.94	30916.44	0.03	96.61
45.0-46.0	286.45	28949.10	0.90	90.47	92.0-93.0	10.78	30927.21	0.03	96.65
46.0-47.0	242.78	29191.89	0.76	91.22	93.0-94.0	10.62	30937.84	0.03	96.68

IES Indoor Report
Photometric Filename:HB200ME4I-CM 30X90.IES

Zonal Flux Tabulation - (Cont.)

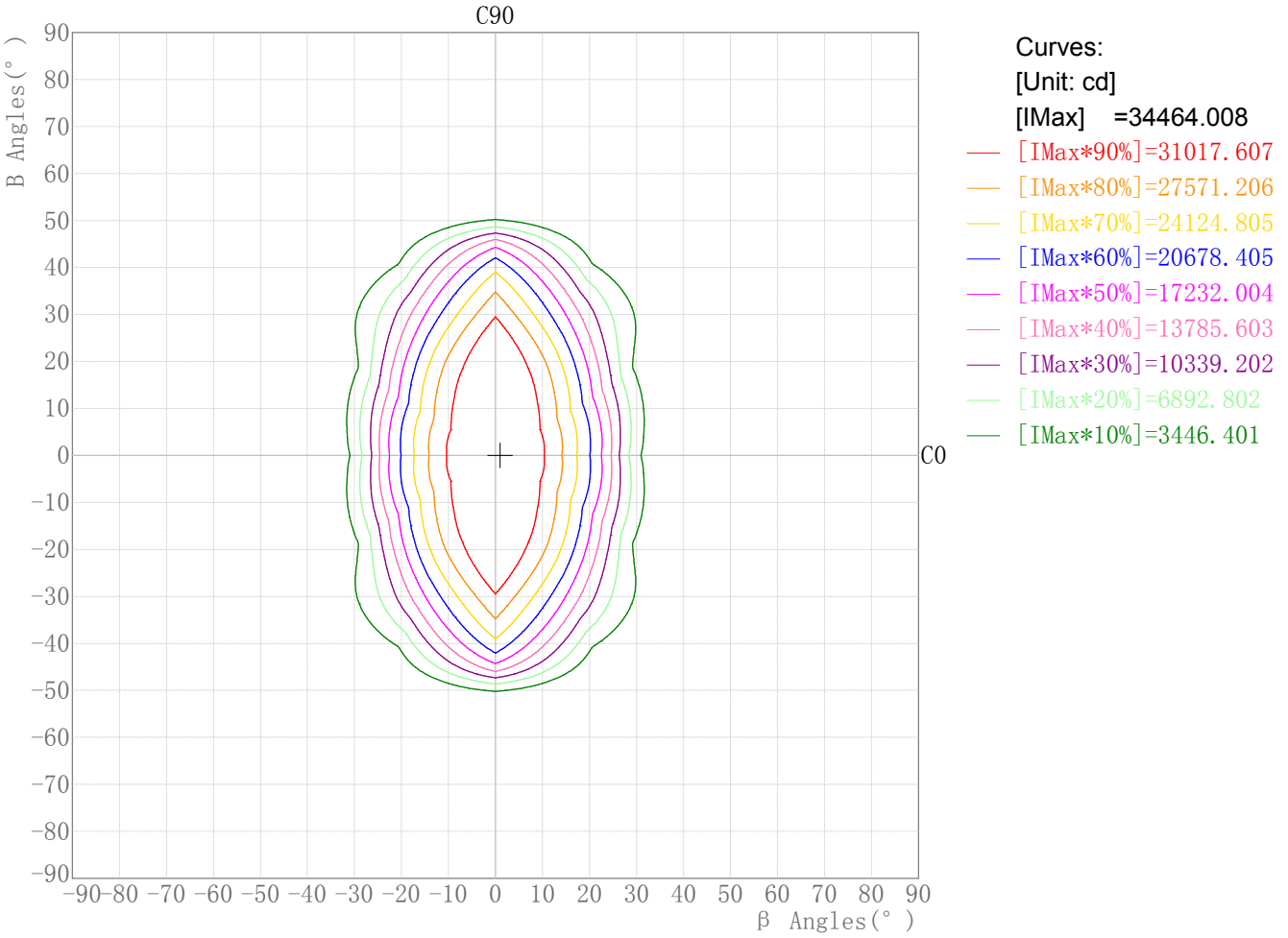
Zone(γ)	Zone Flux (lm)	Sums Flux (lm)	Zone%Lamp	Sums%Lamp
94.0-95.0	10.49	30948.32	0.03	96.71
95.0-96.0	10.36	30958.68	0.03	96.75
96.0-97.0	10.26	30968.94	0.03	96.78
97.0-98.0	10.16	30979.10	0.03	96.81
98.0-99.0	10.07	30989.17	0.03	96.84
99.0-100.0	10.00	30999.16	0.03	96.87
100.0-101.0	9.93	31009.09	0.03	96.90
101.0-102.0	9.87	31018.97	0.03	96.93
102.0-103.0	9.82	31028.79	0.03	96.96
103.0-104.0	9.79	31038.58	0.03	97.00
104.0-105.0	9.75	31048.33	0.03	97.03
105.0-106.0	9.73	31058.06	0.03	97.06
106.0-107.0	9.70	31067.76	0.03	97.09
107.0-108.0	9.69	31077.45	0.03	97.12
108.0-109.0	9.68	31087.12	0.03	97.15
109.0-110.0	9.67	31096.79	0.03	97.18
110.0-111.0	9.66	31106.46	0.03	97.21
111.0-112.0	9.66	31116.12	0.03	97.24
112.0-113.0	9.66	31125.78	0.03	97.27
113.0-114.0	9.66	31135.45	0.03	97.30
114.0-115.0	9.66	31145.11	0.03	97.33
115.0-116.0	9.66	31154.77	0.03	97.36
116.0-117.0	9.66	31164.42	0.03	97.39
117.0-118.0	9.65	31174.07	0.03	97.42
118.0-119.0	9.63	31183.70	0.03	97.45
119.0-120.0	9.61	31193.32	0.03	97.48
120.0-121.0	9.59	31202.91	0.03	97.51
121.0-122.0	9.56	31212.46	0.03	97.54
122.0-123.0	9.52	31221.98	0.03	97.57
123.0-124.0	9.47	31231.45	0.03	97.60
124.0-125.0	9.42	31240.88	0.03	97.63
125.0-126.0	9.36	31250.23	0.03	97.66
126.0-127.0	9.29	31259.52	0.03	97.69
127.0-128.0	9.21	31268.73	0.03	97.71
128.0-129.0	9.12	31277.85	0.03	97.74
129.0-130.0	9.03	31286.88	0.03	97.77
130.0-131.0	8.92	31295.80	0.03	97.80
131.0-132.0	8.80	31304.61	0.03	97.83
132.0-133.0	8.68	31313.29	0.03	97.85
133.0-134.0	8.55	31321.84	0.03	97.88
134.0-135.0	8.41	31330.24	0.03	97.91
135.0-136.0	8.26	31338.51	0.03	97.93
136.0-137.0	8.11	31346.62	0.03	97.96
137.0-138.0	7.94	31354.56	0.02	97.98
138.0-139.0	7.78	31362.34	0.02	98.01
139.0-140.0	7.60	31369.94	0.02	98.03
140.0-141.0	7.42	31377.36	0.02	98.05
141.0-142.0	7.23	31384.60	0.02	98.08
142.0-143.0	7.04	31391.64	0.02	98.10
143.0-144.0	6.84	31398.48	0.02	98.12
144.0-145.0	6.63	31405.11	0.02	98.14
145.0-146.0	6.42	31411.53	0.02	98.16
146.0-147.0	6.21	31417.75	0.02	98.18
147.0-148.0	6.00	31423.74	0.02	98.20
148.0-149.0	5.78	31429.52	0.02	98.22
149.0-150.0	5.56	31435.08	0.02	98.23
150.0-151.0	5.34	31440.42	0.02	98.25
151.0-152.0	5.12	31445.55	0.02	98.27
152.0-153.0	4.90	31450.45	0.02	98.28
153.0-154.0	4.68	31455.13	0.01	98.30
154.0-155.0	4.46	31459.59	0.01	98.31
155.0-156.0	4.24	31463.83	0.01	98.32
156.0-157.0	4.03	31467.86	0.01	98.34
157.0-158.0	3.81	31471.67	0.01	98.35
158.0-159.0	3.60	31475.27	0.01	98.36
159.0-160.0	3.39	31478.66	0.01	98.37
160.0-161.0	3.19	31481.85	0.01	98.38
161.0-162.0	2.98	31484.83	0.01	98.39
162.0-163.0	2.79	31487.62	0.01	98.40
163.0-164.0	2.59	31490.21	0.01	98.41
164.0-165.0	2.40	31492.61	0.01	98.41
165.0-166.0	2.21	31494.82	0.01	98.42
166.0-167.0	2.03	31496.85	0.01	98.43
167.0-168.0	1.85	31498.70	0.01	98.43
168.0-169.0	1.68	31500.37	0.01	98.44
169.0-170.0	1.51	31501.88	0.00	98.44
170.0-171.0	1.34	31503.23	0.00	98.45
171.0-172.0	1.18	31504.41	0.00	98.45
172.0-173.0	1.03	31505.43	0.00	98.45
173.0-174.0	0.87	31506.31	0.00	98.46
174.0-175.0	0.73	31507.04	0.00	98.46
175.0-176.0	0.59	31507.62	0.00	98.46
176.0-177.0	0.45	31508.07	0.00	98.46
177.0-178.0	0.32	31508.39	0.00	98.46
178.0-179.0	0.19	31508.58	0.00	98.46
179.0-180.0	0.06	31508.64	0.00	98.46

IES Indoor Report
Photometric Filename:HB200ME4I-CM 30X90.IES

Rectangle ISO Lighting Intensity Diagram

Lum.Name: HB200ME4I-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



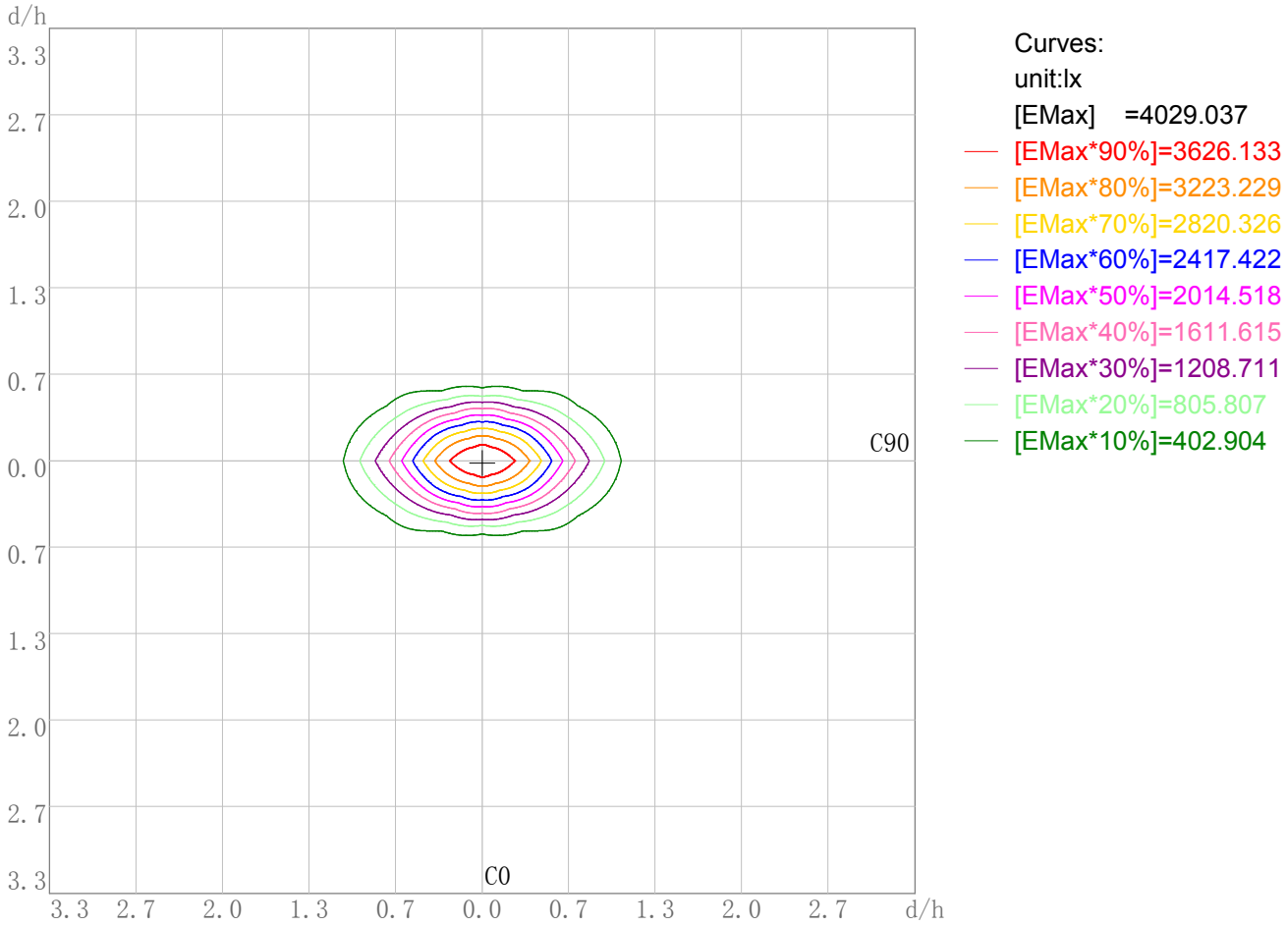
Maximum Light Intensity(cd): 34464.01
Maximum Cand.@Angle: H=1.0°,V=0.0°

IES Indoor Report
Photometric Filename:HB200ME4I-CM 30X90.IES

Plane ISO-Illuminance Diagram

Lum.Name: HB200ME4I-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



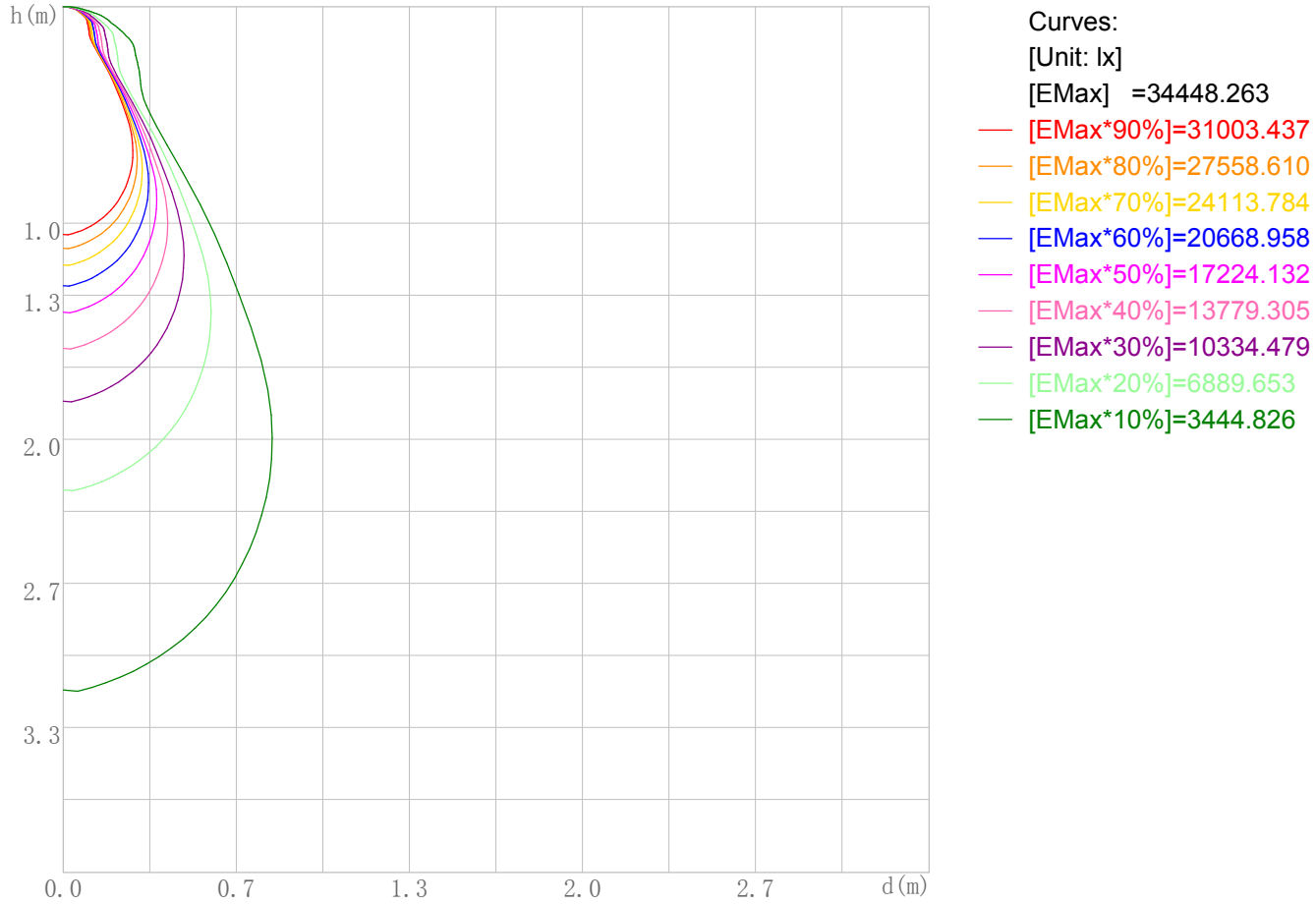
Working Plane Luminaire Mounting Height(m): 3.00
Working Plane Maximum Illuminance(lx): 4029.04
Working Plane Maximum Illuminance Position(d/h):H0.0 V0.0

IES Indoor Report
Photometric Filename:HB200ME4I-CM 30X90.IES

Space ISO Illuminance Diagram

Lum.Name: HB200ME4I-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



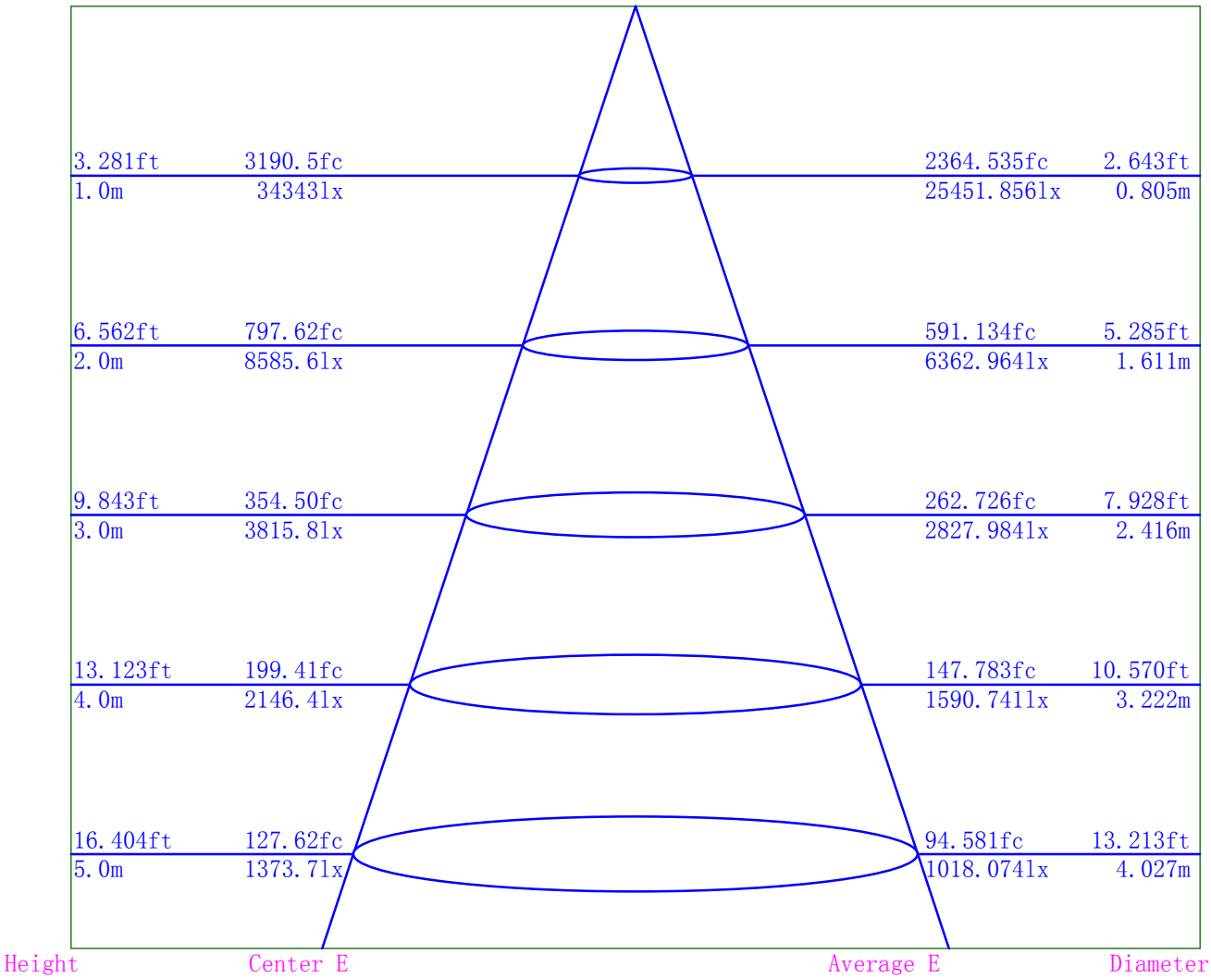
Space Plane Maximum Illuminance and @Angle:34448.26lx,1.0deg
Plane Maximum Lighting Intensity and @Angle:34464.008cd,0eg

IES Indoor Report
Photometric Filename:HB200ME4I-CM 30X90.IES

Illuminance-Distance Diagram

Lum.Name: HB200ME4I-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:HB200ME4I-CM 30X90.IES

Indoor Luminance Limiting Curves

Lum.Name: HB200ME4I-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

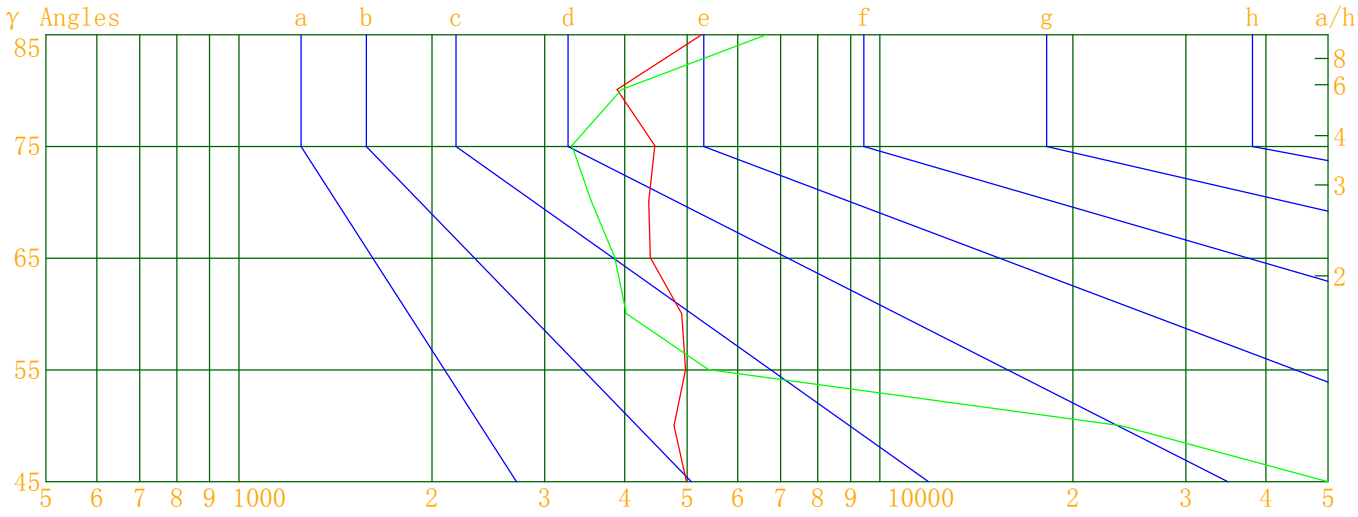
Glare Grade Table

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	4989	4775	4974	4907	4382	4360	4455	3888	5267
C90	91198	23770	5407	4022	3858	3549	3306	3952	6647

Luminance Limiting Curve



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

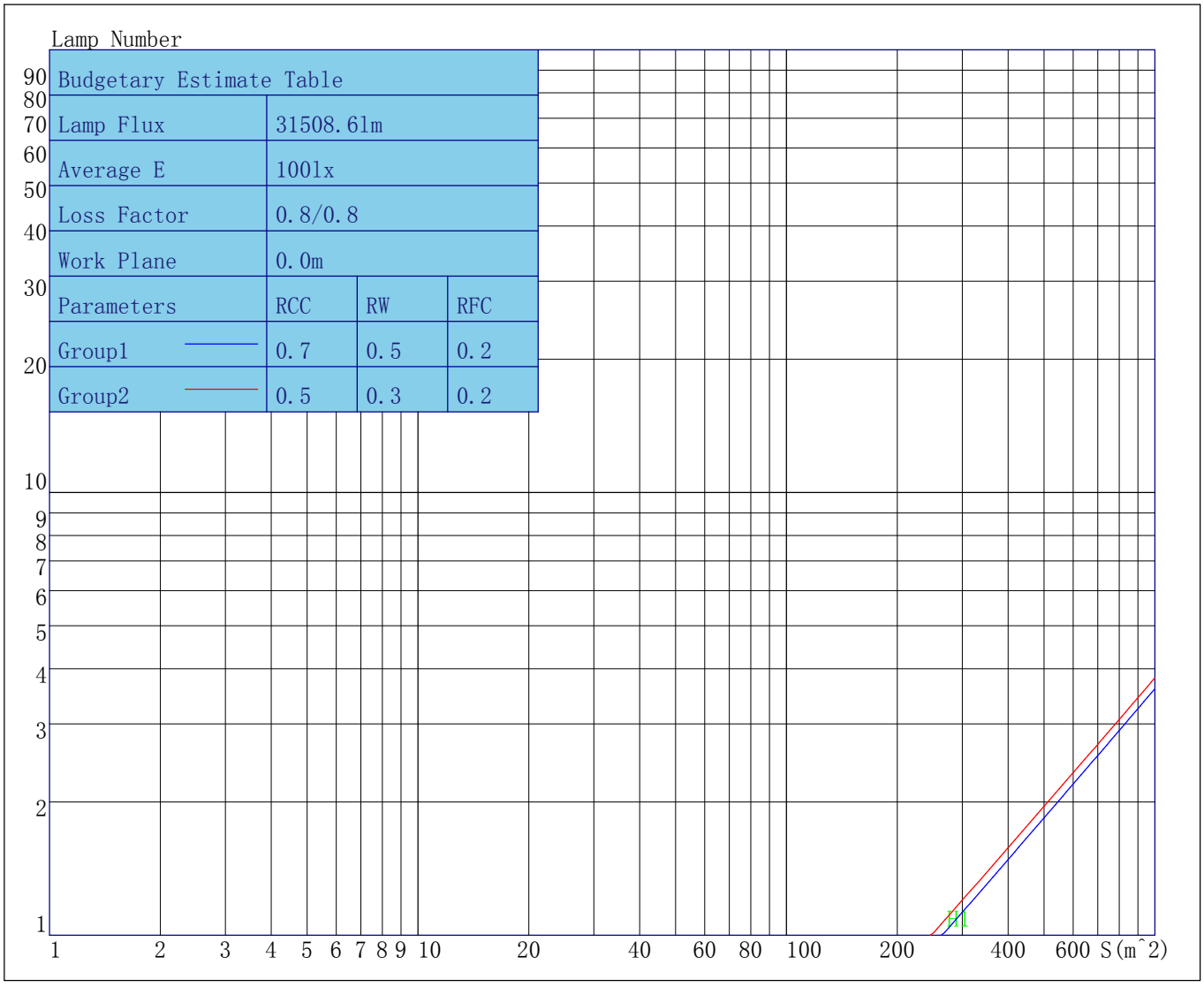
Luminous Type: Without Luminous Side

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

IES Indoor Report
Photometric Filename:HB200ME4I-CM 30X90.IES

Indoor Budgetary Estimate Table

Lum.Name: HB200ME4I-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

IES Indoor Report
Photometric Filename:HB200ME4I-CM 30X90.IES

Indoor Coefficient of Utilization Table

Lum.Name: HB200ME4I-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	117	117	117	117	114	114	114	114	108	108	108	103	103	103	99	99	99	97
1	111	108	105	103	108	105	103	101	101	99	97	97	96	94	93	92	91	89
2	105	100	95	92	102	98	94	91	94	91	88	91	88	86	88	86	84	82
3	99	92	87	83	97	91	86	82	88	84	81	85	82	79	83	80	78	76
4	94	86	80	76	92	85	79	75	82	78	74	80	76	73	78	75	72	70
5	89	80	74	69	87	79	73	69	77	72	68	75	71	67	73	70	67	65
6	84	75	69	64	82	74	68	64	72	67	63	71	66	63	69	65	62	61
7	80	70	64	59	78	69	63	59	68	63	59	66	62	58	65	61	58	56
8	76	66	60	55	74	65	59	55	64	59	55	63	58	55	62	57	54	53
9	72	62	56	52	71	61	56	52	60	55	51	59	54	51	58	54	51	49
10	68	58	53	49	67	58	52	48	57	52	48	56	51	48	55	51	48	46

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Unified Glare Rating Table

Lum.Name: HB200ME4I-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	12.1	13.1	12.5	13.5	13.8	23.1	24.1	23.5	24.5	24.8
	Y=3H	13.0	13.9	13.5	14.3	14.7	22.9	23.8	23.4	24.2	24.6
	Y=4H	13.6	14.4	14.0	14.8	15.2	22.9	23.7	23.3	24.1	24.5
	Y=6H	14.0	14.8	14.5	15.2	15.6	22.8	23.5	23.3	24.0	24.4
	Y=8H	14.2	14.9	14.7	15.3	15.8	22.8	23.5	23.2	23.9	24.4
	Y=12H	14.4	15.1	14.9	15.5	16.0	22.7	23.4	23.2	23.8	24.3
X=4H	Y=2H	12.2	13.0	12.6	13.4	13.9	22.8	23.6	23.3	24.0	24.5
	Y=3H	13.3	13.9	13.7	14.4	14.8	22.7	23.3	23.1	23.8	24.2
	Y=4H	13.9	14.5	14.4	15.0	15.5	22.6	23.2	23.1	23.7	24.1
	Y=6H	14.5	15.0	15.0	15.5	16.0	22.6	23.1	23.1	23.5	24.1
	Y=8H	14.8	15.2	15.3	15.7	16.3	22.5	23.0	23.0	23.5	24.0
	Y=12H	15.1	15.5	15.6	16.0	16.6	22.5	22.9	23.1	23.5	24.0
X=8H	Y=4H	14.0	14.5	14.5	14.9	15.5	22.5	22.9	23.0	23.4	23.9
	Y=6H	14.7	15.1	15.3	15.6	16.2	22.4	22.8	23.0	23.3	23.9
	Y=8H	15.1	15.4	15.7	16.0	16.5	22.4	22.7	23.0	23.3	23.8
	Y=12H	15.6	15.9	16.2	16.4	17.0	22.5	22.7	23.0	23.3	23.9
X=12H	Y=4H	14.0	14.4	14.5	14.9	15.4	22.4	22.8	22.9	23.3	23.8
	Y=6H	14.8	15.1	15.3	15.6	16.2	22.4	22.7	22.9	23.2	23.8
	Y=8H	15.2	15.5	15.8	16.0	16.7	22.4	22.6	22.9	23.2	23.8
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	34342.5	34342.5	34342.5	34342.5
γ 1.0	34464.0	34066.8	34132.2	34106.7
γ 2.0	34134.9	33772.5	33952.6	34098.4
γ 3.0	33753.3	33441.9	33761.7	34095.9
γ 4.0	33332.0	33069.1	33565.4	34096.8
γ 5.0	32857.3	32658.3	33357.8	34101.2
γ 6.0	32327.9	32208.2	33133.0	34105.6
γ 7.0	31760.4	31728.0	32893.3	34107.8
γ 8.0	31136.2	31217.3	32633.2	34107.4
γ 9.0	30470.8	30670.8	32352.3	34101.8
γ 10.0	29754.9	30083.4	32057.9	34091.3
γ 11.0	28985.5	29446.4	31744.8	34074.9
γ 12.0	28153.0	28755.2	31413.8	34051.4
γ 13.0	27268.3	28007.2	31061.1	34024.1
γ 14.0	26316.8	27204.0	30681.2	33987.3
γ 15.0	25330.1	26347.4	30275.5	33938.6
γ 16.0	24306.7	25438.3	29844.5	33870.9
γ 17.0	23229.7	24486.8	29376.6	33775.5
γ 18.0	22116.0	23480.5	28864.4	33648.5
γ 19.0	20975.2	22425.9	28307.8	33491.0
γ 20.0	19763.0	21326.8	27693.4	33300.0
γ 21.0	18486.5	20186.7	27025.1	33078.7
γ 22.0	17146.5	18992.3	26309.6	32818.6
γ 23.0	15709.7	17727.7	25539.9	32513.0
γ 24.0	14135.0	16401.5	24713.3	32161.7
γ 25.0	12359.0	15043.0	23843.8	31765.7
γ 26.0	10428.2	13693.5	22909.9	31325.7
γ 27.0	8574.3	12347.9	21937.0	30840.7
γ 28.0	7021.7	10988.4	20950.6	30311.7
γ 29.0	5681.4	9608.5	19937.3	29751.6
γ 30.0	4418.0	8205.2	18913.5	29169.5
γ 31.0	3233.0	6828.3	17896.4	28571.9
γ 32.0	2313.5	5550.1	16865.5	27964.9
γ 33.0	1787.2	4409.1	15832.0	27355.0
γ 34.0	1492.7	3428.6	14803.6	26729.6
γ 35.0	1307.2	2638.6	13746.1	26074.7
γ 36.0	1185.6	2052.0	12656.0	25377.3
γ 37.0	1106.8	1624.1	11544.6	24624.6
γ 38.0	1050.1	1332.0	10401.1	23812.2
γ 39.0	1005.4	1156.7	9264.2	22927.7
γ 40.0	968.2	1045.6	8155.8	21964.1
γ 41.0	935.1	968.1	7061.7	20900.4
γ 42.0	905.9	909.3	5993.3	19710.2
γ 43.0	878.7	860.2	4976.3	18372.2
γ 44.0	852.8	816.6	4013.1	16867.6
γ 45.0	828.1	777.6	3136.2	15137.2
γ 46.0	804.7	742.4	2391.6	13082.2

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Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0
γ 47.0	778.6	710.3	1801.8	10668.3
γ 48.0	761.9	680.3	1370.6	8069.8
γ 49.0	741.7	651.7	1061.0	5600.7
γ 50.0	720.5	624.7	846.4	3586.5
γ 51.0	704.7	596.7	726.1	2160.7
γ 52.0	694.7	568.9	660.0	1305.3
γ 53.0	686.4	542.3	606.9	929.8
γ 54.0	676.2	518.4	558.9	788.3
γ 55.0	669.7	497.5	516.5	727.9
γ 56.0	662.0	479.9	478.4	677.8
γ 57.0	649.4	463.3	445.8	617.7
γ 58.0	629.1	446.5	418.6	557.2
γ 59.0	603.8	429.0	394.6	508.6
γ 60.0	576.0	411.1	373.2	472.1
γ 61.0	547.3	392.4	354.0	447.1
γ 62.0	517.7	372.8	335.9	427.1
γ 63.0	489.0	354.2	319.2	411.8
γ 64.0	461.6	335.5	303.1	397.4
γ 65.0	434.7	316.4	287.6	382.7
γ 66.0	408.4	297.6	273.1	367.8
γ 67.0	385.3	280.1	259.6	352.0
γ 68.0	367.8	263.2	246.8	334.4
γ 69.0	356.8	246.3	234.8	312.0
γ 70.0	350.1	229.4	223.6	284.9
γ 71.0	342.4	213.6	212.6	264.3
γ 72.0	330.9	199.2	202.0	247.3
γ 73.0	314.5	187.1	191.6	230.3
γ 74.0	293.5	176.5	181.3	214.8
γ 75.0	270.7	166.8	171.8	200.9
γ 76.0	247.8	157.3	162.9	189.6
γ 77.0	224.5	148.3	155.3	181.2
γ 78.0	201.6	140.1	148.6	173.5
γ 79.0	180.1	133.3	143.1	166.6
γ 80.0	158.5	127.4	137.9	161.1
γ 81.0	142.6	121.9	133.3	154.0
γ 82.0	131.6	116.4	128.9	148.6
γ 83.0	124.5	111.8	124.9	144.1
γ 84.0	117.7	107.9	121.4	139.7
γ 85.0	107.8	104.5	118.5	136.0
γ 86.0	99.3	101.5	115.8	132.5
γ 87.0	95.8	99.1	113.5	129.3
γ 88.0	93.7	97.0	111.3	126.6
γ 89.0	91.7	95.1	109.4	124.0
γ 90.0	89.7	93.3	107.6	121.8
γ 91.0	88.0	91.5	106.1	119.8
γ 92.0	86.4	90.1	104.9	118.1
γ 93.0	84.8	88.7	103.6	116.5

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Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0
γ 94.0	83.3	87.4	102.8	115.2
γ 95.0	81.9	86.3	101.9	113.9
γ 96.0	80.7	85.4	101.3	113.0
γ 97.0	79.5	84.7	100.7	112.1
γ 98.0	78.6	84.0	100.4	111.3
γ 99.0	77.9	83.5	100.1	110.7
γ 100.0	77.2	83.2	99.9	110.1
γ 101.0	76.7	83.0	99.8	109.6
γ 102.0	76.4	83.0	99.7	109.1
γ 103.0	76.4	83.0	99.7	108.6
γ 104.0	76.4	83.4	99.8	108.1
γ 105.0	76.7	83.7	99.9	107.6
γ 106.0	77.3	84.2	100.0	107.2
γ 107.0	78.0	84.8	100.1	106.8
γ 108.0	78.9	85.6	100.2	106.4
γ 109.0	80.1	86.4	100.3	106.1
γ 110.0	81.4	87.4	100.5	105.7
γ 111.0	83.0	88.2	100.6	105.3
γ 112.0	84.6	89.5	100.8	105.0
γ 113.0	86.3	90.7	101.0	104.8
γ 114.0	88.0	91.8	101.3	104.5
γ 115.0	89.9	93.1	101.4	104.3
γ 116.0	92.0	94.3	101.5	104.1
γ 117.0	94.0	95.7	101.8	103.9
γ 118.0	96.0	97.0	101.9	103.5
γ 119.0	98.0	98.3	102.1	103.4
γ 120.0	100.0	99.5	102.1	103.1
γ 121.0	101.9	100.8	102.4	103.0
γ 122.0	103.7	102.1	102.4	102.7
γ 123.0	105.5	103.2	102.6	102.5
γ 124.0	107.3	104.3	102.7	102.2
γ 125.0	108.9	105.5	102.7	101.9
γ 126.0	110.4	106.6	102.8	101.7
γ 127.0	111.9	107.5	102.8	101.3
γ 128.0	113.2	108.5	102.7	100.9
γ 129.0	114.3	109.3	102.7	100.5
γ 130.0	115.4	110.2	102.6	100.1
γ 131.0	116.4	110.8	102.5	99.7
γ 132.0	117.2	111.3	102.5	99.2
γ 133.0	117.8	111.7	102.2	98.8
γ 134.0	118.4	112.2	102.0	98.2
γ 135.0	118.8	112.5	101.7	97.8
γ 136.0	119.0	112.7	101.6	97.4
γ 137.0	119.2	112.8	101.3	96.8
γ 138.0	119.2	112.7	100.9	96.3
γ 139.0	119.0	112.7	100.6	95.9
γ 140.0	118.7	112.6	100.3	95.4

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Candela Tabulation - (Cont.)

V/H	C0.0	C30.0	C60.0	C90.0
γ 141.0	118.3	112.2	99.8	94.9
γ 142.0	117.8	111.8	99.3	94.4
γ 143.0	117.0	111.4	98.8	93.9
γ 144.0	116.2	110.6	98.1	93.4
γ 145.0	115.1	109.9	97.5	92.9
γ 146.0	113.9	109.1	96.9	92.5
γ 147.0	112.7	108.0	96.2	92.0
γ 148.0	111.3	106.9	95.6	91.5
γ 149.0	109.8	105.8	95.0	91.2
γ 150.0	108.1	104.4	94.3	90.8
γ 151.0	106.3	103.1	93.8	90.5
γ 152.0	104.4	101.6	93.0	90.3
γ 153.0	102.2	100.1	92.5	89.8
γ 154.0	100.0	98.6	91.9	89.6
γ 155.0	97.9	97.1	91.1	89.3
γ 156.0	95.7	95.4	90.5	89.0
γ 157.0	93.2	93.7	89.8	88.7
γ 158.0	90.8	92.0	89.0	88.4
γ 159.0	88.4	90.2	88.4	88.1
γ 160.0	86.0	88.5	87.6	87.8
γ 161.0	83.6	86.7	87.0	87.4
γ 162.0	81.2	84.9	86.3	87.2
γ 163.0	78.9	83.1	85.5	86.7
γ 164.0	76.6	81.3	84.7	86.3
γ 165.0	74.4	79.6	83.8	85.9
γ 166.0	72.2	77.8	83.0	85.4
γ 167.0	70.1	76.1	82.2	84.9
γ 168.0	68.2	74.5	81.2	84.3
γ 169.0	66.4	72.9	80.3	83.8
γ 170.0	64.5	71.4	79.3	83.1
γ 171.0	63.0	69.7	78.2	82.3
γ 172.0	61.6	68.2	77.0	81.5
γ 173.0	60.3	66.8	76.1	80.6
γ 174.0	59.1	65.3	74.9	79.7
γ 175.0	58.1	63.9	73.9	78.8
γ 176.0	57.2	62.7	72.8	77.9
γ 177.0	56.4	61.5	71.7	77.0
γ 178.0	55.5	60.7	70.5	76.1
γ 179.0	55.1	59.9	69.6	75.2
γ 180.0	64.2	64.2	64.2	64.2