

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS3C-8-HO-3C-M-65W-40K.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] STD230611NB-C-PL

[TESTLAB] STANDARD-TECH TESTING SERVICE

[TESTDATE] 15 August 2022

[ISSUEDATE] 2023-06-12 18:15:50

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000_V2 SYSTEM

[MANUFAC] BELUCE

[LUMCAT] BS3C-8-HO-3C-M-65W-40K

[LUMINAIRE] BS3C-8-HO-3C-M-65W-40K

[LAMP] 10196 LUMENS

[_SEARCH_SOURCE] LED

[_SEARCH_APPLICATION] Indoor, Outdoor, Commercial, Garage, Parking, Residential, Damp Location, Wet Location

[_SEARCH_MOUNTING] Cable, Suspended

[_SEARCH_CERTIFICATION] CSA

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	10196
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	157
Total Luminaire Watts	65
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.38
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	2.37 m
Luminous Width (90-270)	0.10 m
Luminous Height	0.03 m

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LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10892	9801	9945
55	10158	9094	9433
65	9216	8463	8936
75	7712	7894	8448
85	5302	7712	8358

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CANDELA TABULATION

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
0	2982.202	2982.202	2982.202	2982.202	2982.202
5	2964.151	2965.010	2972.962	2970.813	2970.813
10	2912.145	2920.311	2930.411	2936.428	2936.858
15	2835.424	2840.797	2865.295	2874.536	2883.347
20	2724.964	2742.801	2770.094	2790.295	2805.552
25	2582.913	2607.627	2651.038	2691.009	2705.193
30	2429.903	2455.476	2511.996	2566.581	2593.659
35	2250.029	2287.638	2355.117	2431.623	2463.428
40	2053.480	2098.115	2186.418	2284.844	2317.510
45	1849.301	1896.020	2006.502	2124.634	2167.507
50	1632.120	1685.545	1820.139	1959.761	2003.751
55	1406.451	1470.922	1627.307	1782.982	1832.388
60	1176.913	1254.966	1435.892	1600.336	1652.708
65	948.537	1044.276	1250.023	1418.357	1471.459
70	718.312	839.689	1062.371	1230.252	1282.302
75	495.586	651.348	884.152	1040.451	1098.818
80	289.280	481.447	712.080	867.927	921.287
85	125.409	336.559	562.099	712.573	764.988
90	47.176	230.655	444.010	580.838	632.136
95	39.911	158.942	349.689	475.815	519.828
100	35.813	103.495	270.627	385.707	426.732
105	31.496	62.586	201.759	306.408	343.930
110	26.429	35.130	141.640	234.845	267.811
115	23.235	25.700	90.476	170.746	200.367
120	19.866	22.319	51.616	114.227	140.061
125	15.926	19.315	24.228	67.817	86.995
130	13.114	16.511	16.410	32.631	45.618
135	10.690	13.886	13.960	14.949	15.922
140	9.003	11.640	12.067	13.605	10.816
145	7.877	10.134	11.690	12.469	9.303
150	7.312	9.564	10.750	11.334	8.922
155	7.310	9.376	10.370	10.391	7.594
160	8.437	9.562	10.370	10.202	7.786
165	9.186	10.876	10.370	10.202	8.353
170	10.310	11.621	10.370	10.202	8.734
175	11.247	12.001	10.370	10.013	9.113
180	10.000	10.000	10.000	10.000	10.000

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	1089.19	N.A.	10.70
0-30	2310.17	N.A.	22.70
0-40	3785.74	N.A.	37.10
0-60	6791.48	N.A.	66.60
0-80	8905.15	N.A.	87.30
0-90	9475.96	N.A.	92.90
10-90	9193.86	N.A.	90.20
20-40	2696.56	N.A.	26.40
20-50	4247.63	N.A.	41.70
40-70	4224.91	N.A.	41.40
60-80	2113.67	N.A.	20.70
70-80	894.50	N.A.	8.80
80-90	570.81	N.A.	5.60
90-110	552.06	N.A.	5.40
90-120	653.19	N.A.	6.40
90-130	692.11	N.A.	6.80
90-150	711.32	N.A.	7.00
90-180	719.59	N.A.	7.10
110-180	167.53	N.A.	1.60
0-180	10195.55	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	282.10
10-20	807.09
20-30	1220.98
30-40	1475.58
40-50	1551.08
50-60	1454.66
60-70	1219.18
70-80	894.50
80-90	570.81
90-100	348.95
100-110	203.11
110-120	101.14
120-130	38.91
130-140	12.41
140-150	6.80
150-160	4.44
160-170	2.83
170-180	1.00

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC	80				70				50			30			10			0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	117	117	117	117	114	114	114	114	107	107	107	101	101	101	96	96	96	93
1	105	100	95	90	102	97	92	88	91	87	84	86	83	80	81	79	76	74
2	95	86	78	72	92	83	76	71	79	73	68	74	69	65	70	66	63	60
3	86	75	66	59	83	73	65	58	69	62	56	65	59	54	61	57	53	50
4	79	66	57	50	76	64	56	49	61	53	48	58	51	46	55	49	45	42
5	72	59	49	43	70	57	49	42	54	47	41	52	45	40	49	43	39	36
6	67	53	44	37	64	52	43	37	49	41	36	47	40	35	44	38	34	32
7	62	48	39	33	60	47	38	32	44	37	31	42	36	31	40	35	30	28
8	57	44	35	29	55	43	34	29	41	33	28	39	32	27	37	31	27	25
9	54	40	32	26	52	39	31	26	37	30	25	36	29	25	34	28	24	22
10	50	37	29	23	49	36	28	23	35	28	23	33	27	22	32	26	22	20

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UGR TABLE - CORRECTED

Reflectances

Ceiling Cavity	70	70	50	50	30	70	70	50	50	30
Walls	50	30	50	30	30	50	30	50	30	30
Floor Cavity	20	20	20	20	20	20	20	20	20	20

Room Size UGR Viewed Crosswise

X=2H	Y=2H	18.0	19.6	18.5	20.0	20.5	20.4	21.9	20.9	22.4	22.9
	3H	19.6	21.0	20.0	21.4	22.0	22.9	24.3	23.4	24.8	25.3
	4H	20.1	21.4	20.6	21.9	22.4	24.1	25.4	24.6	25.9	26.4
	6H	20.4	21.7	20.9	22.2	22.7	25.3	26.6	25.8	27.1	27.6
	8H	20.5	21.7	21.0	22.2	22.8	26.0	27.2	26.5	27.7	28.2
	12H	20.5	21.7	21.1	22.2	22.8	26.7	27.8	27.2	28.3	28.9

UGR Viewed Endwise

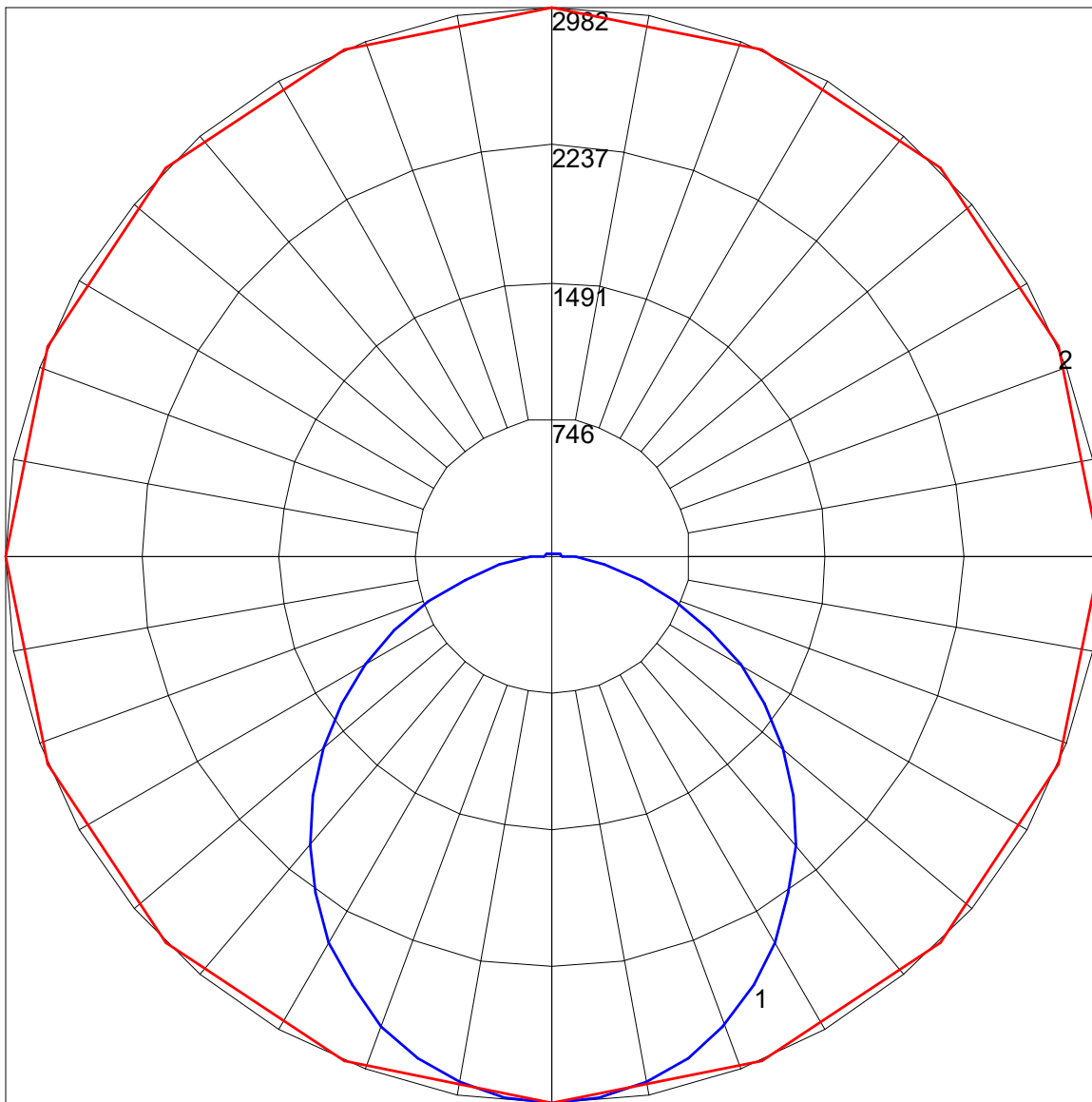
4H	2H	19.0	20.3	19.5	20.8	21.4	20.8	22.2	21.3	22.7	23.2
	3H	20.8	21.9	21.3	22.4	23.0	23.6	24.7	24.1	25.2	25.8
	4H	21.4	22.5	22.0	23.0	23.6	24.9	26.0	25.5	26.5	27.1
	6H	21.9	22.8	22.5	23.4	24.0	26.4	27.3	26.9	27.8	28.5
	8H	22.0	22.9	22.6	23.5	24.1	27.1	28.0	27.7	28.5	29.2
	12H	22.1	22.9	22.7	23.5	24.1	27.9	28.7	28.5	29.3	29.9

8H	4H	22.2	23.1	22.8	23.6	24.2	25.2	26.0	25.7	26.6	27.2
	6H	22.9	23.6	23.5	24.2	24.8	26.8	27.5	27.4	28.1	28.7
	8H	23.1	23.8	23.7	24.4	25.0	27.6	28.3	28.2	28.9	29.6
	12H	23.3	23.9	23.9	24.5	25.2	28.7	29.3	29.3	29.9	30.6

12H	4H	22.4	23.2	23.0	23.8	24.4	25.2	26.0	25.7	26.6	27.2
	6H	23.2	23.9	23.8	24.4	25.1	26.8	27.5	27.4	28.1	28.8
	8H	23.5	24.1	24.1	24.7	25.4	27.8	28.4	28.4	29.0	29.7

Maximum UGR = 30.6

POLAR GRAPH



Maximum Candela = 2982.202 Located At Horizontal Angle = 0, Vertical Angle = 0
1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (0) (Through Max. Cd.)