

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS3C-8-PS3-3C-M-110W-35K.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] STD230611NB-D-PL

[TESTLAB] STANDARD-TECH TESTING SERVICE

[TESTDATE] 15 August 2022

[ISSUEDATE] 2023-06-12 09:39:34

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000\_V2 SYSTEM

[MANUFAC] BELUCE

[LUMCAT] BS3C-8-PS3-3C-M-110W-35K

[LUMINAIRE] BS3C-8-PS3-3C-M-110W-35K

[LAMP] 15950 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	15950
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	110
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	17263	15428	15559
55	16025	14253	14690
65	14458	13135	13784
75	11961	12157	12882
85	7899	11736	12595

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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>
<b>0</b>	4756.480	4756.480	4756.480	4756.480	4756.480
<b>5</b>	4732.160	4728.777	4731.315	4731.315	4728.988
<b>10</b>	4660.048	4652.012	4671.256	4669.775	4667.449
<b>15</b>	4535.066	4532.106	4554.311	4571.228	4573.766
<b>20</b>	4358.697	4365.464	4398.877	4432.713	4442.864
<b>25</b>	4132.419	4153.144	4207.493	4261.419	4278.125
<b>30</b>	3875.901	3903.816	3984.176	4059.249	4090.970
<b>35</b>	3583.643	3620.863	3727.235	3838.893	3881.399
<b>40</b>	3265.586	3318.455	3451.049	3597.601	3649.201
<b>45</b>	2930.822	2988.978	3158.369	3334.950	3391.202
<b>50</b>	2581.044	2651.042	2862.093	3066.589	3129.608
<b>55</b>	2218.788	2305.493	2550.380	2781.310	2853.634
<b>60</b>	1855.243	1963.412	2242.685	2486.303	2563.703
<b>65</b>	1488.060	1624.165	1940.150	2192.777	2269.754
<b>70</b>	1123.034	1302.068	1643.261	1894.408	1969.756
<b>75</b>	768.667	1004.291	1361.620	1593.882	1675.574
<b>80</b>	445.576	737.073	1088.479	1323.470	1397.591
<b>85</b>	186.846	510.055	855.350	1076.383	1152.789
<b>90</b>	64.341	347.325	671.452	874.637	947.637
<b>95</b>	55.391	239.135	527.184	713.789	775.074
<b>100</b>	49.567	155.290	408.019	579.989	636.982
<b>105</b>	44.991	92.169	304.142	460.020	513.396
<b>110</b>	39.311	52.260	214.816	353.099	401.759
<b>115</b>	35.105	38.173	138.256	258.062	302.429
<b>120</b>	30.715	34.151	78.766	174.477	212.849
<b>125</b>	25.626	30.693	38.336	105.414	133.992
<b>130</b>	21.594	27.050	26.608	52.509	72.210
<b>135</b>	18.655	24.123	23.689	25.557	28.399
<b>140</b>	16.646	21.562	21.841	23.510	20.117
<b>145</b>	15.358	19.548	21.104	21.678	18.438
<b>150</b>	14.442	18.632	19.640	20.202	17.533
<b>155</b>	14.443	18.265	19.268	19.282	15.316
<b>160</b>	16.452	19.177	19.268	19.099	15.501
<b>165</b>	18.654	20.092	19.270	18.915	16.241
<b>170</b>	20.462	22.086	19.819	18.732	16.241
<b>175</b>	21.209	23.015	19.819	17.630	16.241
<b>180</b>	21.000	21.000	21.000	21.000	21.000

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1734.06	N.A.	10.90
0-30	3673.09	N.A.	23.00
0-40	6007.75	N.A.	37.70
0-60	10726.17	N.A.	67.20
0-80	13993.75	N.A.	87.70
0-90	14858.88	N.A.	93.20
10-90	14409.39	N.A.	90.30
20-40	4273.69	N.A.	26.80
20-50	6715.21	N.A.	42.10
40-70	6611.15	N.A.	41.40
60-80	3267.58	N.A.	20.50
70-80	1374.85	N.A.	8.60
80-90	865.13	N.A.	5.40
90-110	828.26	N.A.	5.20
90-120	981.20	N.A.	6.20
90-130	1041.67	N.A.	6.50
90-150	1075.26	N.A.	6.70
90-180	1090.96	N.A.	6.80
110-180	262.70	N.A.	1.60
0-180	15949.84	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	449.49
10-20	1284.57
20-30	1939.03
30-40	2334.66
40-50	2441.53
50-60	2276.9
60-70	1892.72
70-80	1374.85
80-90	865.13
90-100	523.72
100-110	304.54
110-120	152.94
120-130	60.48
130-140	21.06
140-150	12.52
150-160	8.43
160-170	5.37
170-180	1.90

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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	88	84	86	83	80	81	79	77	74
2	95	86	79	72	92	84	77	71	79	73	68	75	70	66	71	67	63	61
3	86	75	66	60	83	73	65	59	69	62	57	65	60	55	62	57	53	50
4	79	66	57	50	76	65	56	49	61	54	48	58	52	47	55	50	45	43
5	73	59	50	43	70	58	49	42	55	47	41	52	45	40	49	44	39	37
6	67	53	44	37	64	52	43	37	49	42	36	47	40	35	45	39	34	32
7	62	48	39	33	60	47	38	32	45	37	32	43	36	31	41	35	30	28
8	58	44	35	29	56	43	35	29	41	34	28	39	33	28	37	32	27	25
9	54	40	32	26	52	39	31	26	38	30	25	36	30	25	35	29	24	23
10	50	37	29	24	49	36	29	23	35	28	23	33	27	23	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	19.5	21.1	20.0	21.5	22.0	21.9	23.4	22.3	23.9	24.3
	3H	21.1	22.5	21.5	22.9	23.5	24.3	25.7	24.8	26.2	26.7
	4H	21.6	22.9	22.1	23.4	23.9	25.5	26.8	26.0	27.3	27.8
	6H	21.9	23.1	22.4	23.6	24.2	26.7	27.9	27.2	28.4	29.0
	8H	22.0	23.2	22.5	23.7	24.2	27.3	28.5	27.9	29.0	29.6
	12H	22.0	23.1	22.5	23.7	24.3	28.0	29.2	28.5	29.7	30.3

UGR Viewed Endwise

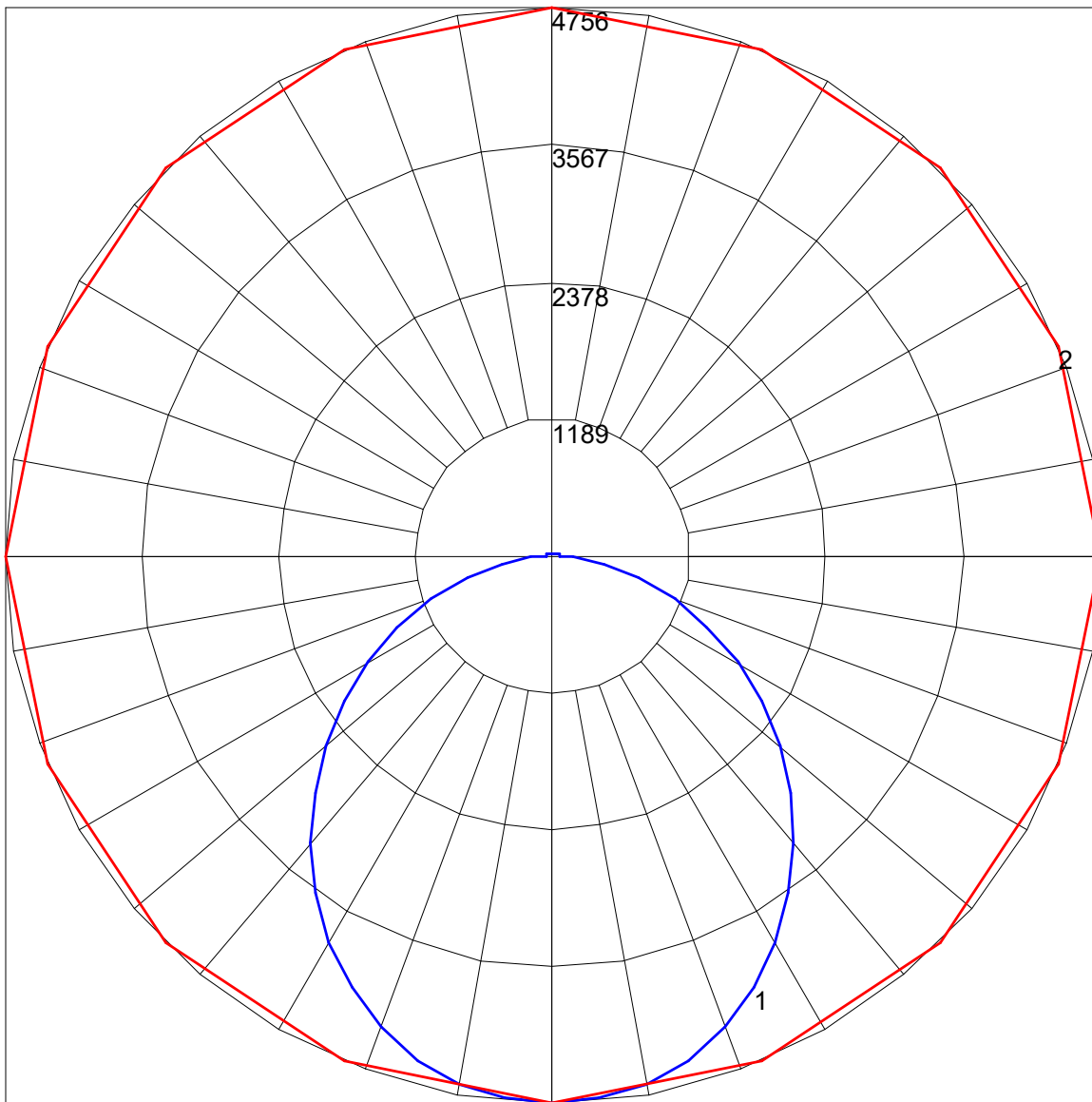
4H	2H	20.5	21.8	21.0	22.3	22.8	22.3	23.6	22.8	24.1	24.7
	3H	22.3	23.4	22.8	23.9	24.5	25.0	26.1	25.5	26.7	27.2
	4H	22.9	23.9	23.4	24.5	25.1	26.3	27.4	26.9	27.9	28.5
	6H	23.4	24.3	23.9	24.8	25.5	27.7	28.6	28.3	29.2	29.8
	8H	23.5	24.4	24.1	24.9	25.5	28.5	29.3	29.0	29.9	30.5
	12H	23.6	24.4	24.2	24.9	25.6	29.3	30.1	29.9	30.6	31.3

8H	4H	23.7	24.5	24.2	25.1	25.7	26.6	27.4	27.1	28.0	28.6
	6H	24.3	25.0	24.9	25.6	26.3	28.1	28.9	28.7	29.5	30.1
	8H	24.5	25.2	25.2	25.8	26.5	29.0	29.7	29.6	30.3	30.9
	12H	24.7	25.3	25.3	25.9	26.6	30.0	30.6	30.6	31.2	31.9

12H	4H	23.9	24.6	24.4	25.2	25.9	26.6	27.4	27.2	28.0	28.6
	6H	24.6	25.3	25.2	25.9	26.6	28.2	28.9	28.8	29.4	30.1
	8H	25.0	25.5	25.6	26.2	26.9	29.1	29.7	29.7	30.3	31.0

Maximum UGR = 31.9

POLAR GRAPH



Maximum Candela = 4756.48 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.)