

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS3C-8-PS3-3C-M-110W-50K.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-50K

[LUMINAIRE] BS3C-8-PS3-3C-M-110W-50K

[LAMP] 16596 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	16596
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	151
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	17962	16052	16190
55	16675	14830	15285
65	15044	13667	14342
75	12445	12650	13404
85	8219	12211	13106

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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>	4949.118	4949.118	4949.118	4949.118	4949.118
<b>5</b>	4923.813	4920.293	4922.933	4922.933	4920.512
<b>10</b>	4848.780	4840.419	4860.442	4858.901	4856.481
<b>15</b>	4718.736	4715.656	4738.761	4756.363	4759.004
<b>20</b>	4535.224	4542.265	4577.032	4612.238	4622.800
<b>25</b>	4299.782	4321.347	4377.897	4434.007	4451.389
<b>30</b>	4032.875	4061.921	4145.535	4223.649	4256.654
<b>35</b>	3728.781	3767.508	3878.188	3994.368	4038.596
<b>40</b>	3397.842	3452.853	3590.817	3743.304	3796.994
<b>45</b>	3049.520	3110.032	3286.283	3470.016	3528.546
<b>50</b>	2685.576	2758.409	2978.008	3190.786	3256.357
<b>55</b>	2308.649	2398.866	2653.671	2893.953	2969.206
<b>60</b>	1930.380	2042.930	2333.514	2586.998	2667.533
<b>65</b>	1548.326	1689.944	2018.726	2281.585	2361.679
<b>70</b>	1168.517	1354.802	1709.813	1971.132	2049.531
<b>75</b>	799.798	1044.965	1416.766	1658.434	1743.435
<b>80</b>	463.622	766.924	1132.562	1377.071	1454.193
<b>85</b>	194.413	530.712	889.992	1119.977	1199.477
<b>90</b>	66.947	361.392	698.646	910.060	986.016
<b>95</b>	57.634	248.820	548.535	742.697	806.465
<b>100</b>	51.574	161.579	424.544	603.479	662.780
<b>105</b>	46.813	95.902	316.460	478.651	534.189
<b>110</b>	40.903	54.377	223.516	367.400	418.030
<b>115</b>	36.527	39.719	143.855	268.514	314.677
<b>120</b>	31.959	35.534	81.956	181.543	221.469
<b>125</b>	26.664	31.936	39.889	109.683	139.419
<b>130</b>	22.469	28.146	27.686	54.636	75.135
<b>135</b>	19.411	25.100	24.648	26.592	29.549
<b>140</b>	17.320	22.435	22.726	24.462	20.932
<b>145</b>	15.980	20.340	21.959	22.556	19.185
<b>150</b>	15.027	19.387	20.435	21.020	18.243
<b>155</b>	15.028	19.005	20.048	20.063	15.936
<b>160</b>	17.118	19.954	20.048	19.873	16.129
<b>165</b>	19.409	20.906	20.050	19.681	16.899
<b>170</b>	21.291	22.980	20.622	19.491	16.899
<b>175</b>	22.068	23.947	20.622	18.344	16.899
<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	1804.29	N.A.	10.90
0-30	3821.85	N.A.	23.00
0-40	6251.06	N.A.	37.70
0-60	11160.58	N.A.	67.20
0-80	14560.5	N.A.	87.70
0-90	15460.67	N.A.	93.20
10-90	14992.97	N.A.	90.30
20-40	4446.77	N.A.	26.80
20-50	6987.18	N.A.	42.10
40-70	6878.9	N.A.	41.40
60-80	3399.91	N.A.	20.50
70-80	1430.54	N.A.	8.60
80-90	900.17	N.A.	5.40
90-110	861.80	N.A.	5.20
90-120	1020.93	N.A.	6.20
90-130	1083.86	N.A.	6.50
90-150	1118.8	N.A.	6.70
90-180	1135.13	N.A.	6.80
110-180	273.33	N.A.	1.60
0-180	16595.8	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	467.70
10-20	1336.59
20-30	2017.56
30-40	2429.21
40-50	2540.41
50-60	2369.11
60-70	1969.38
70-80	1430.54
80-90	900.17
90-100	544.93
100-110	316.87
110-120	159.13
120-130	62.93
130-140	21.91
140-150	13.03
150-160	8.77
160-170	5.59
170-180	1.97

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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

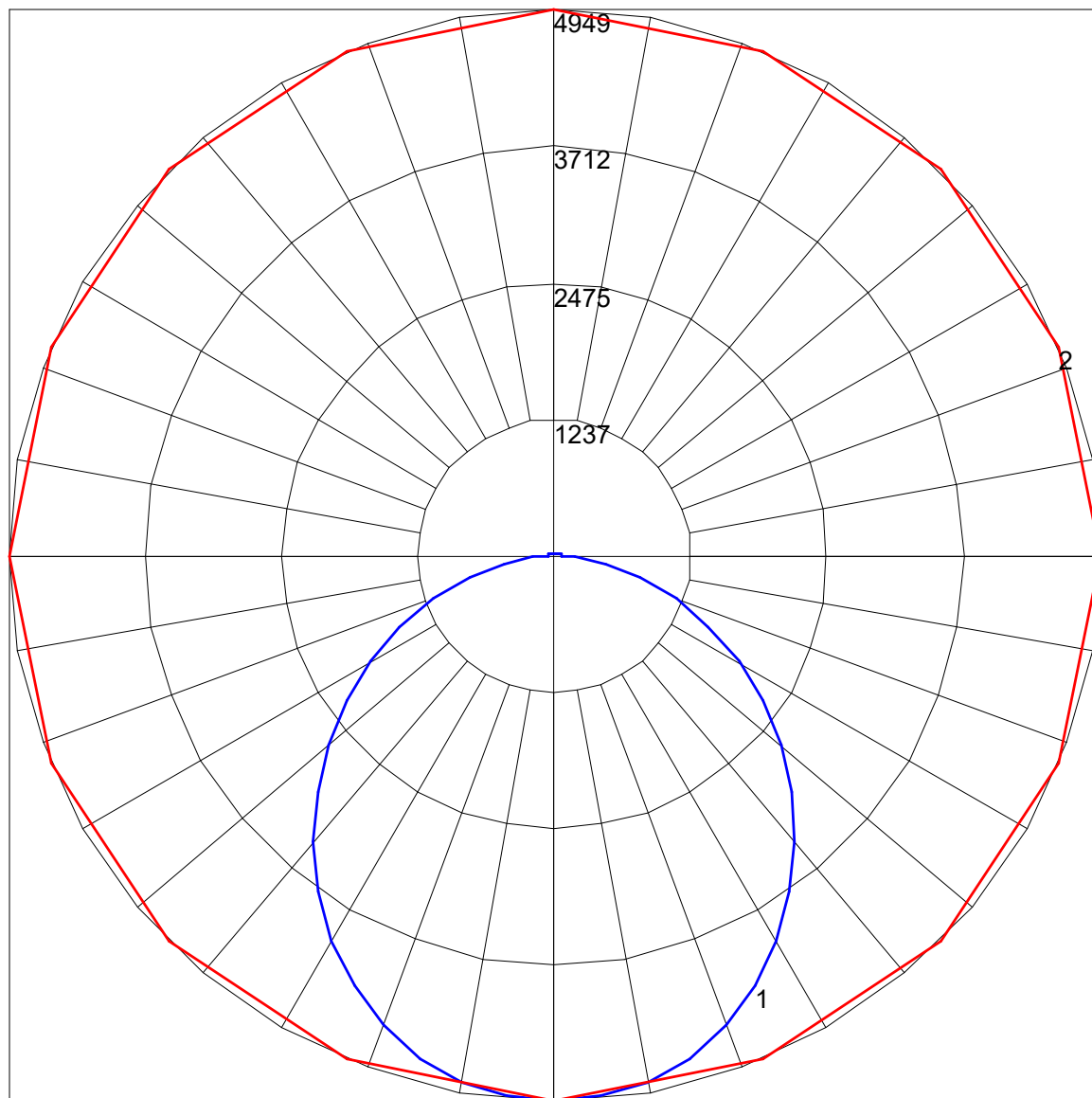
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**UGR TABLE - CORRECTED**

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					UGR Viewed Endwise				
X=2H	Y=2H	19.7	21.3	20.2	21.7	22.2	22.1	23.6	22.5	24.1	24.5
	3H	21.3	22.7	21.7	23.1	23.7	24.5	25.9	25.0	26.4	26.9
	4H	21.8	23.1	22.3	23.6	24.1	25.7	27.0	26.2	27.5	28.0
	6H	22.1	23.3	22.6	23.8	24.4	26.9	28.1	27.4	28.6	29.2
	8H	22.2	23.4	22.7	23.9	24.4	27.5	28.7	28.1	29.2	29.8
	12H	22.2	23.3	22.7	23.9	24.4	28.2	29.4	28.7	29.9	30.5
4H	2H	20.7	22.0	21.2	22.5	23.0	22.5	23.8	23.0	24.3	24.9
	3H	22.5	23.6	23.0	24.1	24.7	25.2	26.3	25.7	26.9	27.4
	4H	23.1	24.1	23.6	24.7	25.3	26.5	27.6	27.1	28.1	28.7
	6H	23.6	24.5	24.1	25.0	25.7	27.9	28.8	28.5	29.4	30.0
	8H	23.7	24.6	24.3	25.1	25.7	28.7	29.5	29.2	30.1	30.7
	12H	23.8	24.6	24.4	25.1	25.8	29.5	30.3	30.1	30.8	31.5
8H	4H	23.9	24.7	24.4	25.3	25.9	26.8	27.6	27.3	28.2	28.8
	6H	24.5	25.2	25.1	25.8	26.5	28.3	29.1	28.9	29.7	30.3
	8H	24.7	25.4	25.4	26.0	26.7	29.2	29.9	29.8	30.5	31.1
	12H	24.9	25.5	25.5	26.1	26.8	30.2	30.8	30.8	31.4	32.1
12H	4H	24.1	24.8	24.6	25.4	26.1	26.8	27.6	27.4	28.2	28.8
	6H	24.8	25.5	25.4	26.1	26.8	28.4	29.1	29.0	29.6	30.3
	8H	25.2	25.7	25.8	26.4	27.1	29.3	29.9	29.9	30.5	31.2

Maximum UGR = 32.1

POLAR GRAPH



Maximum Candela = 4949.118 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.)