

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS3C-8-PS3-3C-M-110W-40K.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-40K

[LUMINAIRE] BS3C-8-PS3-3C-M-110W-40K

[LAMP] 16679 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	16679
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	152
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	18052	16133	16270
55	16758	14905	15361
65	15119	13735	14414
75	12507	12713	13471
85	8260	12272	13171

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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>	4973.851	4973.851	4973.851	4973.851	4973.851
<b>5</b>	4948.419	4944.882	4947.536	4947.536	4945.103
<b>10</b>	4873.012	4864.609	4884.732	4883.184	4880.751
<b>15</b>	4742.318	4739.223	4762.443	4780.133	4782.787
<b>20</b>	4557.889	4564.966	4599.905	4635.288	4645.903
<b>25</b>	4321.270	4342.942	4399.775	4456.166	4473.635
<b>30</b>	4053.029	4082.220	4166.253	4244.756	4277.927
<b>35</b>	3747.415	3786.336	3897.569	4014.330	4058.779
<b>40</b>	3414.823	3470.108	3608.762	3762.011	3815.969
<b>45</b>	3064.760	3125.574	3302.706	3487.357	3546.180
<b>50</b>	2698.998	2772.194	2992.891	3206.732	3272.631
<b>55</b>	2320.187	2410.854	2666.932	2908.416	2984.045
<b>60</b>	1940.028	2053.140	2345.176	2599.927	2680.864
<b>65</b>	1556.064	1698.389	2028.815	2292.987	2373.482
<b>70</b>	1174.357	1361.572	1718.358	1980.982	2059.774
<b>75</b>	803.795	1050.187	1423.846	1666.722	1752.148
<b>80</b>	465.939	770.757	1138.222	1383.953	1461.461
<b>85</b>	195.385	533.364	894.439	1125.574	1205.471
<b>90</b>	67.281	363.198	702.137	914.608	990.944
<b>95</b>	57.922	250.063	551.276	746.409	810.495
<b>100</b>	51.832	162.387	426.665	606.494	666.092
<b>105</b>	47.047	96.381	318.041	481.043	536.858
<b>110</b>	41.108	54.648	224.633	369.236	420.119
<b>115</b>	36.709	39.918	144.574	269.855	316.250
<b>120</b>	32.119	35.712	82.366	182.451	222.576
<b>125</b>	26.797	32.096	40.088	110.231	140.115
<b>130</b>	22.581	28.286	27.824	54.909	75.510
<b>135</b>	19.508	25.225	24.772	26.725	29.697
<b>140</b>	17.407	22.547	22.839	24.584	21.036
<b>145</b>	16.060	20.441	22.068	22.669	19.281
<b>150</b>	15.102	19.483	20.538	21.125	18.334
<b>155</b>	15.103	19.100	20.149	20.163	16.016
<b>160</b>	17.204	20.053	20.149	19.972	16.209
<b>165</b>	19.506	21.010	20.151	19.779	16.983
<b>170</b>	21.397	23.095	20.725	19.588	16.983
<b>175</b>	22.178	24.067	20.725	18.436	16.983
<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	1813.31	N.A.	10.90
0-30	3840.95	N.A.	23.00
0-40	6282.3	N.A.	37.70
0-60	11216.36	N.A.	67.20
0-80	14633.26	N.A.	87.70
0-90	15537.93	N.A.	93.20
10-90	15067.9	N.A.	90.30
20-40	4468.99	N.A.	26.80
20-50	7022.1	N.A.	42.10
40-70	6913.28	N.A.	41.40
60-80	3416.9	N.A.	20.50
70-80	1437.69	N.A.	8.60
80-90	904.67	N.A.	5.40
90-110	866.11	N.A.	5.20
90-120	1026.04	N.A.	6.20
90-130	1089.28	N.A.	6.50
90-150	1124.39	N.A.	6.70
90-180	1140.8	N.A.	6.80
110-180	274.69	N.A.	1.60
0-180	16678.74	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	470.03
10-20	1343.27
20-30	2027.64
30-40	2441.35
40-50	2553.11
50-60	2380.95
60-70	1979.22
70-80	1437.69
80-90	904.67
90-100	547.65
100-110	318.46
110-120	159.93
120-130	63.24
130-140	22.02
140-150	13.09
150-160	8.82
160-170	5.61
170-180	1.98

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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**

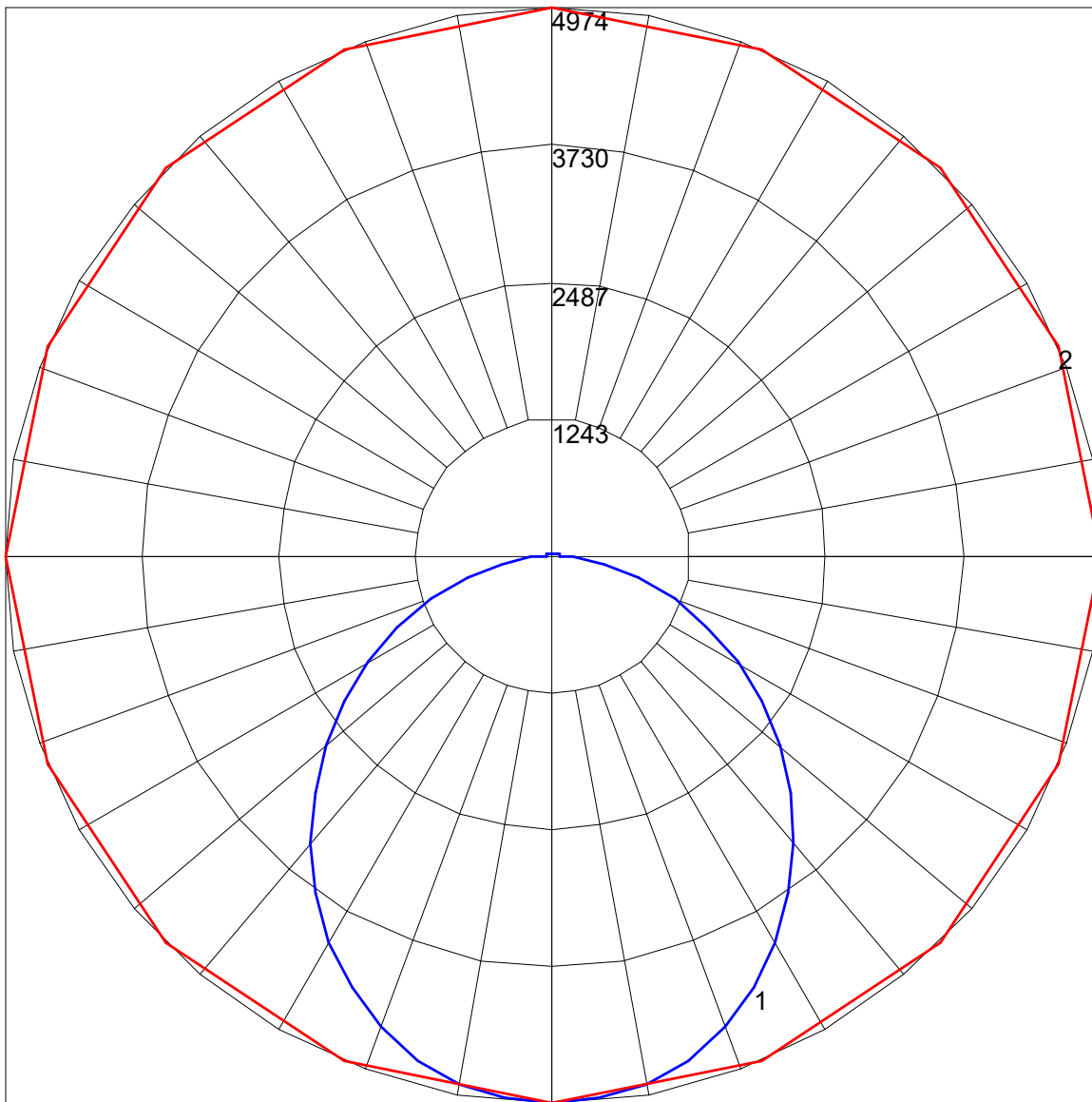
Reflectances

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 = 4973.851 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.)