

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS3C-4-PS2-3C-M-45W-50K- 19000021.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] STD220813NB-BP

[TESTLAB] Ningbo TengLi Testing Co., Ltd

[TESTDATE] 29 August 2022

[ISSUEDATE] 2022-08-29 13:49:46

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000\_V2 SYSTEM

[MANUFAC] BELUCE

[LUMCAT] BS3C-4-PS2-3C-M-45W-50K- 19000021

[LUMINAIRE] BS3C-4-PS2-3C-M-45W-50K- 19000021

[LAMP] 6789 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	6789
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	151
Total Luminaire Watts	45
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.30
Spacing Criterion (Diagonal)	1.40
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	1.16 m
Luminous Width (90-270)	0.11 m
Luminous Height	0.04 m

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : BS3C-4-PS2-3C-M-45W-50K- 19000021.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13095	11740	11759
55	12034	10730	11021
65	10642	9800	10359
75	8535	9114	9872
85	5296	8972	9817

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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	1989.276	1989.276	1989.276	1989.276	1989.276
5	1978.514	1977.381	1977.975	1978.387	1982.162
10	1944.112	1947.681	1951.606	1947.362	1958.831
15	1887.932	1899.377	1905.396	1905.332	1923.008
20	1815.020	1831.515	1846.123	1847.876	1872.041
25	1721.369	1741.529	1775.495	1777.247	1810.072
30	1614.546	1637.759	1689.568	1696.864	1733.083
35	1495.350	1520.023	1587.400	1600.628	1644.880
40	1361.731	1393.056	1477.024	1500.450	1551.419
45	1222.765	1255.582	1358.091	1393.342	1447.380
50	1074.885	1113.738	1230.521	1279.405	1338.931
55	924.540	969.150	1101.540	1167.157	1226.048
60	770.381	825.815	972.901	1051.388	1111.089
65	616.562	683.843	847.900	936.404	994.654
70	465.161	553.982	727.207	822.689	880.447
75	318.297	433.407	617.497	713.527	768.818
80	185.922	328.114	514.393	612.786	661.947
85	82.152	240.000	421.004	517.130	563.189
90	34.378	169.957	338.829	429.870	473.417
95	31.301	111.938	267.312	353.477	393.739
100	28.343	54.047	147.999	286.519	322.484
105	24.268	39.994	34.100	25.219	111.629
110	20.999	25.766	81.304	61.786	10.088
115	16.067	11.903	55.902	113.619	142.034
120	5.980	3.600	36.281	81.208	104.508
125	3.989	3.664	19.573	54.102	72.563
130	7.328	9.398	8.391	32.103	46.108
135	8.612	7.423	5.757	16.170	25.402
140	7.018	4.410	5.465	7.280	10.745
145	5.932	3.402	5.290	6.558	6.931
150	4.973	3.997	4.909	5.963	6.114
155	4.600	3.957	2.656	5.456	5.432
160	4.576	3.909	3.933	2.665	2.443
165	4.925	4.298	3.997	4.124	2.735
170	5.678	5.409	4.060	4.243	4.053
175	5.932	5.733	4.695	4.418	4.250
180	5.000	5.000	5.000	5.000	5.000

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : BS3C-4-PS2-3C-M-45W-50K- 19000021.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	725.27	N.A.	10.70
0-30	1538.88	N.A.	22.70
0-40	2521.5	N.A.	37.10
0-60	4517.74	N.A.	66.50
0-80	5942.46	N.A.	87.50
0-90	6356.43	N.A.	93.60
10-90	6168.48	N.A.	90.90
20-40	1796.23	N.A.	26.50
20-50	2827.13	N.A.	41.60
40-70	2808.6	N.A.	41.40
60-80	1424.71	N.A.	21.00
70-80	612.36	N.A.	9.00
80-90	413.97	N.A.	6.10
90-110	334.24	N.A.	4.90
90-120	388.95	N.A.	5.70
90-130	416.26	N.A.	6.10
90-150	429.37	N.A.	6.30
90-180	432.97	N.A.	6.40
110-180	98.74	N.A.	1.50
0-180	6789.41	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	187.95
10-20	537.32
20-30	813.61
30-40	982.63
40-50	1030.9
50-60	965.34
60-70	812.36
70-80	612.36
80-90	413.97
90-100	255.65
100-110	78.58
110-120	54.71
120-130	27.32
130-140	9.56
140-150	3.54
150-160	2.00
160-170	1.14
170-180	0.46

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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	118	118	118	118	114	114	114	114	108	108	108	102	102	102	96	96	96	94
1	105	99	94	90	102	97	92	88	91	87	84	86	83	80	81	79	77	74
2	95	86	78	72	92	83	76	70	79	73	68	74	69	65	70	66	63	60
3	86	75	66	59	83	73	64	58	69	62	56	65	59	54	62	57	53	50
4	79	66	57	49	76	64	55	49	61	53	47	58	51	46	55	49	45	42
5	72	59	49	42	70	57	48	42	54	47	41	52	45	40	49	43	39	36
6	67	53	43	37	64	51	43	36	49	41	36	47	40	35	44	39	34	32
7	62	48	39	32	60	47	38	32	44	37	31	42	36	31	41	35	30	28
8	57	44	35	29	55	43	34	28	41	33	28	39	32	27	37	31	27	25
9	54	40	31	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	18.5	20.0	18.9	20.5	20.9	20.9	22.5	21.4	22.9	23.4
	3H	20.0	21.4	20.4	21.8	22.3	23.5	24.9	23.9	25.3	25.8
	4H	20.5	21.8	20.9	22.3	22.8	24.7	26.1	25.2	26.5	27.0
	6H	20.8	22.0	21.3	22.5	23.0	26.0	27.3	26.5	27.8	28.3
	8H	20.8	22.1	21.3	22.6	23.1	26.7	27.9	27.2	28.4	28.9
	12H	20.9	22.1	21.4	22.5	23.1	27.4	28.6	27.9	29.1	29.6

### UGR Viewed Endwise

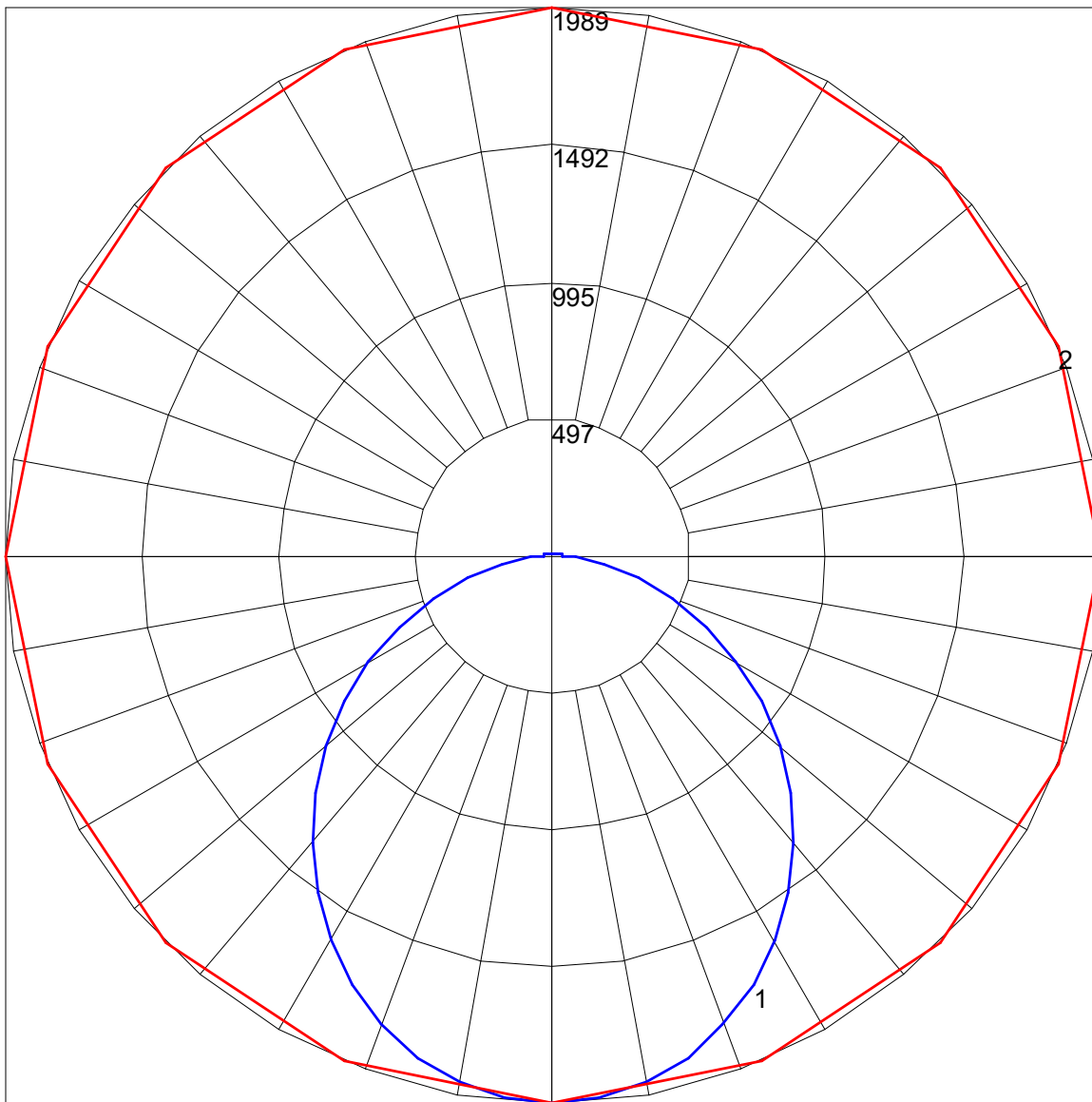
4H	2H	19.5	20.8	20.0	21.3	21.8	21.4	22.7	21.8	23.2	23.7
	3H	21.2	22.4	21.7	22.9	23.4	24.1	25.3	24.6	25.8	26.3
	4H	21.9	22.9	22.4	23.4	24.0	25.5	26.6	26.1	27.1	27.7
	6H	22.3	23.3	22.8	23.8	24.4	27.0	28.0	27.6	28.5	29.1
	8H	22.4	23.3	23.0	23.9	24.5	27.8	28.7	28.3	29.2	29.8
	12H	22.5	23.3	23.1	23.9	24.5	28.7	29.5	29.2	30.0	30.7

8H	4H	22.7	23.6	23.2	24.1	24.7	25.8	26.7	26.3	27.2	27.8
	6H	23.3	24.1	23.9	24.7	25.3	27.4	28.2	28.0	28.8	29.4
	8H	23.6	24.3	24.2	24.9	25.5	28.4	29.0	29.0	29.6	30.3
	12H	23.7	24.4	24.3	25.0	25.6	29.4	30.0	30.0	30.6	31.3

12H	4H	22.9	23.7	23.5	24.3	24.9	25.8	26.6	26.3	27.2	27.8
	6H	23.7	24.4	24.3	25.0	25.6	27.5	28.2	28.1	28.8	29.4
	8H	24.0	24.7	24.6	25.3	25.9	28.5	29.1	29.1	29.7	30.4

Maximum UGR = 31.3

POLAR GRAPH



Maximum Candela = 1989.276 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.)