

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS3C-4-PS2-3C-M-45W-35K- 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-35K- 19000021

[LUMINAIRE] BS3C-4-PS2-3C-M-45W-35K- 19000021

[LAMP] 6525 LUMENS

[\_SEARCH\_SOURCETYPE] 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	6525
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
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-35K- 19000021.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	12585	11283	11301
55	11566	10313	10592
65	10227	9419	9956
75	8203	8759	9488
85	5090	8623	9435

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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	1911.846	1911.846	1911.846	1911.846	1911.846
5	1901.503	1900.414	1900.985	1901.381	1905.009
10	1868.440	1871.870	1875.642	1871.564	1882.586
15	1814.447	1825.446	1831.231	1831.170	1848.158
20	1744.373	1760.226	1774.265	1775.950	1799.174
25	1654.367	1673.742	1706.386	1708.070	1739.617
30	1551.702	1574.011	1623.804	1630.816	1665.625
35	1437.146	1460.858	1525.613	1538.326	1580.855
40	1308.727	1338.833	1419.533	1442.047	1491.032
45	1175.171	1206.710	1305.229	1339.108	1391.043
50	1033.047	1070.387	1182.625	1229.606	1286.815
55	888.554	931.427	1058.664	1121.727	1178.326
60	740.395	793.671	935.032	1010.464	1067.841
65	592.563	657.225	814.897	899.956	955.938
70	447.055	532.419	698.901	790.667	846.177
75	305.908	416.537	593.462	685.754	738.893
80	178.685	315.343	494.371	588.934	636.182
85	78.954	230.658	404.617	497.001	541.268
90	33.040	163.342	325.641	413.138	454.990
95	30.083	107.581	256.907	339.718	378.413
100	27.240	51.943	142.238	275.367	309.932
105	23.323	38.437	32.773	24.237	107.284
110	20.182	24.763	78.139	59.381	9.695
115	15.442	11.440	53.726	109.197	136.506
120	5.747	3.460	34.869	78.047	100.440
125	3.834	3.521	18.811	51.996	69.739
130	7.043	9.032	8.064	30.853	44.313
135	8.277	7.134	5.533	15.541	24.413
140	6.745	4.238	5.252	6.997	10.327
145	5.701	3.270	5.084	6.303	6.661
150	4.779	3.841	4.718	5.731	5.876
155	4.421	3.803	2.553	5.244	5.221
160	4.398	3.757	3.780	2.561	2.348
165	4.733	4.131	3.841	3.963	2.629
170	5.457	5.198	3.902	4.078	3.895
175	5.701	5.510	4.512	4.246	4.085
180	5.000	5.000	5.000	5.000	5.000

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : BS3C-4-PS2-3C-M-45W-35K- 19000021.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	697.04	N.A.	10.70
0-30	1478.98	N.A.	22.70
0-40	2423.36	N.A.	37.10
0-60	4341.9	N.A.	66.50
0-80	5711.16	N.A.	87.50
0-90	6109.02	N.A.	93.60
10-90	5928.38	N.A.	90.90
20-40	1726.32	N.A.	26.50
20-50	2717.09	N.A.	41.60
40-70	2699.28	N.A.	41.40
60-80	1369.26	N.A.	21.00
70-80	588.52	N.A.	9.00
80-90	397.86	N.A.	6.10
90-110	321.23	N.A.	4.90
90-120	373.81	N.A.	5.70
90-130	400.06	N.A.	6.10
90-150	412.66	N.A.	6.30
90-180	416.12	N.A.	6.40
110-180	94.90	N.A.	1.50
0-180	6525.14	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	180.64
10-20	516.40
20-30	781.94
30-40	944.38
40-50	990.77
50-60	927.77
60-70	780.74
70-80	588.52
80-90	397.86
90-100	245.70
100-110	75.52
110-120	52.58
120-130	26.26
130-140	9.19
140-150	3.40
150-160	1.92
160-170	1.10
170-180	0.45

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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	18.3	19.8	18.7	20.3	20.7	20.7	22.3	21.2	22.7	23.2
	3H	19.8	21.2	20.2	21.6	22.1	23.3	24.7	23.7	25.1	25.6
	4H	20.3	21.6	20.7	22.1	22.6	24.5	25.9	25.0	26.3	26.8
	6H	20.6	21.8	21.1	22.3	22.8	25.8	27.1	26.3	27.6	28.1
	8H	20.6	21.9	21.1	22.4	22.9	26.5	27.7	27.0	28.2	28.7
	12H	20.7	21.9	21.2	22.3	22.9	27.2	28.4	27.7	28.9	29.4

### UGR Viewed Endwise

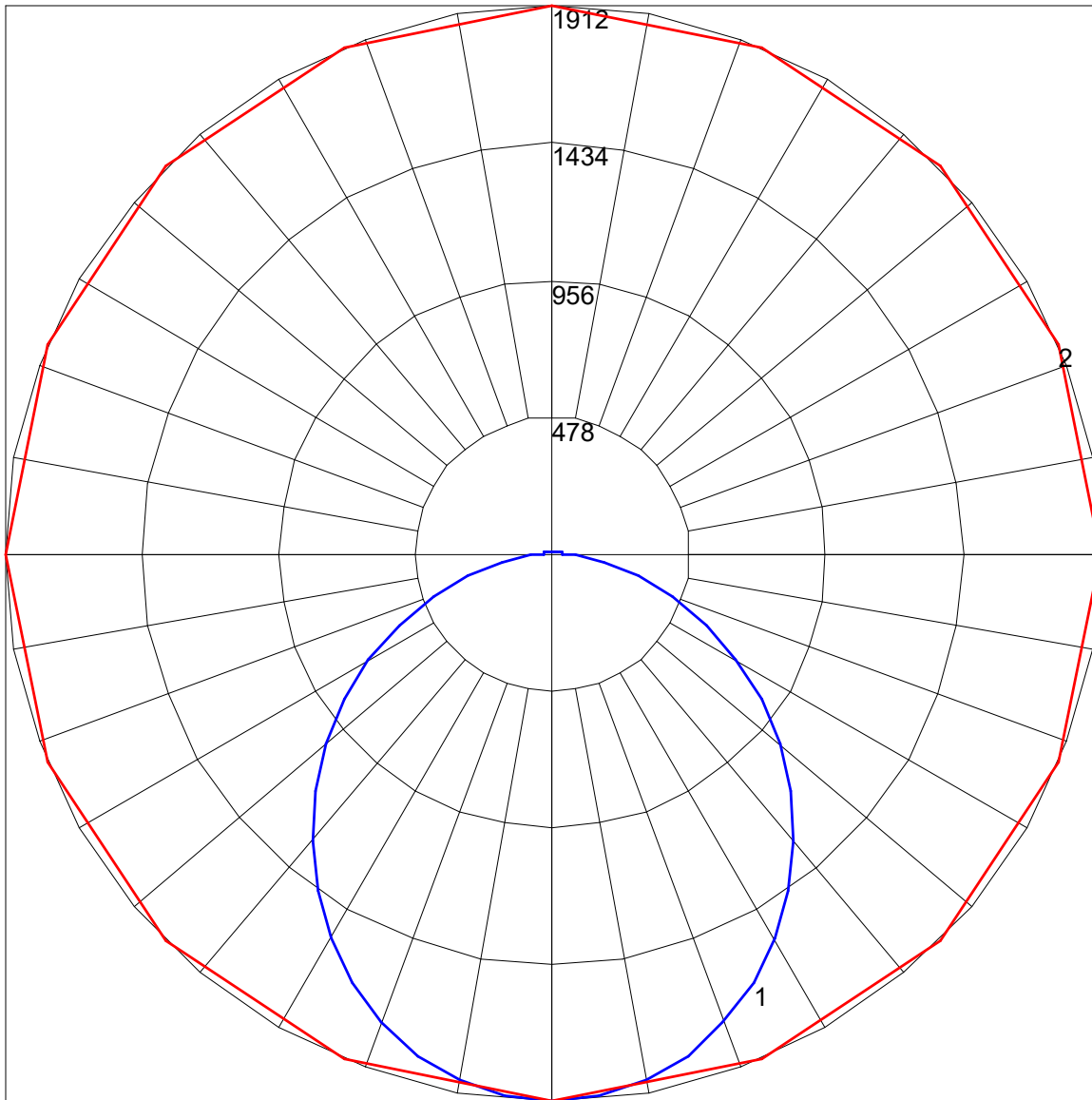
4H	2H	19.3	20.6	19.8	21.1	21.6	21.2	22.5	21.6	23.0	23.5
	3H	21.0	22.2	21.5	22.7	23.2	23.9	25.1	24.4	25.6	26.1
	4H	21.7	22.7	22.2	23.2	23.8	25.3	26.4	25.9	26.9	27.5
	6H	22.1	23.1	22.6	23.6	24.2	26.8	27.8	27.4	28.3	28.9
	8H	22.2	23.1	22.8	23.7	24.3	27.6	28.5	28.1	29.0	29.6
	12H	22.3	23.1	22.9	23.7	24.3	28.5	29.3	29.0	29.8	30.5

8H	4H	22.5	23.4	23.0	23.9	24.5	25.6	26.5	26.1	27.0	27.6
	6H	23.1	23.9	23.7	24.5	25.1	27.2	28.0	27.8	28.6	29.2
	8H	23.4	24.1	24.0	24.7	25.3	28.2	28.8	28.8	29.4	30.1
	12H	23.5	24.2	24.1	24.8	25.4	29.2	29.8	29.8	30.4	31.1

12H	4H	22.7	23.5	23.3	24.1	24.7	25.6	26.4	26.1	27.0	27.6
	6H	23.5	24.2	24.1	24.8	25.4	27.3	28.0	27.9	28.6	29.2
	8H	23.8	24.5	24.4	25.1	25.7	28.3	28.9	28.9	29.5	30.2

Maximum UGR = 31.1

POLAR GRAPH



Maximum Candela = 1911.846 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.)