

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS3C-4-PS1-3C-M-35W-40K- 19000020.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002

[TEST] STD220813NB-BL

[TESTLAB] Ningbo TengLi Testing Co., Ltd

[TESTDATE] 16 August 2022

[ISSUEDATE] 2022-08-16 15:39:47

[NEARFIELD]

[LAMPPOSITION] 0,0

[OTHER] EVERFINE GO-R5000\_V2 SYSTEM

[MANUFAC] BELUCE

[LUMCAT] BS3C-4-PS1-3C-M-35W-40K- 19000020

[LUMINAIRE] BS3C-4-PS1-3C-M-35W-40K- 19000020

[LAMP] 5197 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	5197
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	148
Total Luminaire Watts	35
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.22
Spacing Criterion (90-270)	1.32
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-PS1-3C-M-35W-40K- 19000020.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9981	9029	9052
55	9226	8290	8498
65	8192	7579	7982
75	6567	7014	7571
85	4062	6865	7461

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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	1510.550	1510.550	1510.550	1510.550	1510.550
5	1503.128	1502.667	1503.500	1504.559	1508.403
10	1476.426	1481.838	1483.417	1485.114	1493.930
15	1436.143	1442.920	1452.656	1452.734	1468.356
20	1379.818	1391.428	1409.736	1409.961	1431.868
25	1308.912	1324.316	1354.323	1357.568	1382.917
30	1230.170	1247.223	1290.241	1296.497	1330.573
35	1137.632	1161.097	1216.177	1227.376	1262.981
40	1038.632	1065.470	1133.592	1150.262	1193.330
45	931.963	961.812	1044.457	1070.129	1114.206
50	820.813	854.320	948.055	986.287	1032.797
55	708.801	747.327	851.054	899.162	945.328
60	591.944	637.511	751.417	810.615	857.506
65	474.625	529.440	655.701	721.891	766.400
70	357.396	428.194	562.035	633.295	676.646
75	244.883	335.117	475.174	547.336	589.639
80	143.548	253.198	394.805	466.330	505.406
85	63.003	184.586	322.124	391.178	428.008
90	25.397	130.242	257.473	323.349	358.317
95	23.112	85.939	202.963	265.161	296.472
100	20.955	41.145	111.601	213.642	241.647
105	18.013	29.947	28.956	19.563	83.429
110	15.464	19.073	60.513	47.245	9.473
115	11.581	8.600	41.322	83.546	104.845
120	4.167	2.520	26.545	59.424	76.388
125	2.657	2.579	14.229	39.066	52.560
130	5.119	6.776	6.109	22.818	32.919
135	6.187	5.246	4.138	11.149	17.856
140	4.991	3.501	3.853	5.217	7.473
145	4.393	2.706	3.618	4.521	4.746
150	3.598	2.805	3.393	3.991	4.138
155	3.373	2.657	1.844	3.569	3.678
160	3.255	2.706	2.559	1.785	1.707
165	3.275	2.883	2.697	2.717	2.069
170	3.472	3.481	2.746	2.874	2.824
175	3.726	3.598	3.177	2.874	2.991
180	3.000	3.000	3.000	3.000	3.000

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : BS3C-4-PS1-3C-M-35W-40K- 19000020.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	552.22	N.A.	10.60
0-30	1172.7	N.A.	22.60
0-40	1924.54	N.A.	37.00
0-60	3459.57	N.A.	66.60
0-80	4557.24	N.A.	87.70
0-90	4872.72	N.A.	93.80
10-90	4729.79	N.A.	91.00
20-40	1372.32	N.A.	26.40
20-50	2163.56	N.A.	41.60
40-70	2161.86	N.A.	41.60
60-80	1097.67	N.A.	21.10
70-80	470.83	N.A.	9.10
80-90	315.49	N.A.	6.10
90-110	252.45	N.A.	4.90
90-120	292.88	N.A.	5.60
90-130	312.66	N.A.	6.00
90-150	321.95	N.A.	6.20
90-180	324.39	N.A.	6.20
110-180	71.94	N.A.	1.40
0-180	5197.11	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	142.93
10-20	409.29
20-30	620.48
30-40	751.84
40-50	791.24
50-60	743.79
60-70	626.83
70-80	470.83
80-90	315.49
90-100	192.97
100-110	59.48
110-120	40.43
120-130	19.78
130-140	6.79
140-150	2.51
150-160	1.37
160-170	0.77
170-180	0.30

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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	35	47	40	35	44	38	34	32
7	62	48	39	32	59	47	38	32	44	37	31	42	36	31	41	35	30	28
8	57	43	35	29	55	42	34	28	41	33	28	39	32	27	37	31	27	25
9	54	40	31	26	52	39	31	25	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	17.5	19.1	18.0	19.5	20.0	19.9	21.5	20.4	22.0	22.4
	3H	19.0	20.4	19.5	20.9	21.4	22.5	23.9	23.0	24.4	24.9
	4H	19.5	20.9	20.0	21.3	21.8	23.7	25.1	24.2	25.6	26.1
	6H	19.8	21.1	20.3	21.6	22.1	25.0	26.3	25.5	26.8	27.3
	8H	19.9	21.1	20.4	21.6	22.2	25.7	26.9	26.2	27.4	27.9
	12H	19.9	21.1	20.4	21.6	22.2	26.4	27.6	26.9	28.1	28.6

### UGR Viewed Endwise

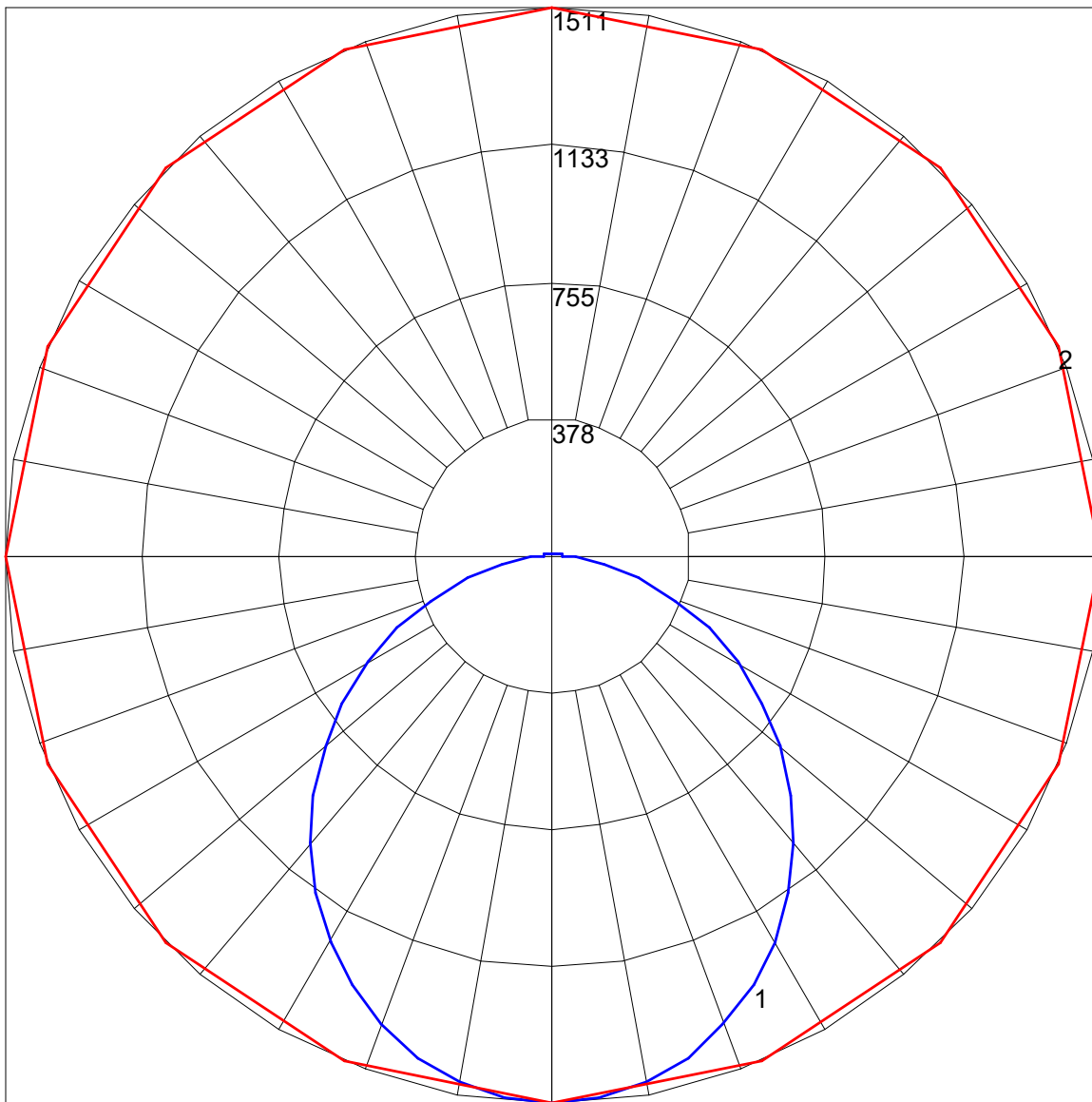
4H	2H	18.5	19.9	19.0	20.4	20.9	20.4	21.8	20.9	22.2	22.8
	3H	20.3	21.4	20.8	22.0	22.5	23.2	24.3	23.7	24.8	25.4
	4H	20.9	22.0	21.4	22.5	23.1	24.6	25.6	25.1	26.2	26.7
	6H	21.4	22.3	21.9	22.9	23.4	26.0	27.0	26.6	27.5	28.1
	8H	21.5	22.4	22.0	22.9	23.5	26.8	27.7	27.4	28.3	28.8
	12H	21.6	22.4	22.1	23.0	23.6	27.6	28.5	28.2	29.0	29.6

8H	4H	21.7	22.6	22.3	23.2	23.8	24.8	25.7	25.3	26.2	26.8
	6H	22.4	23.2	23.0	23.7	24.3	26.5	27.2	27.0	27.8	28.4
	8H	22.6	23.3	23.2	23.9	24.5	27.4	28.0	28.0	28.6	29.3
	12H	22.8	23.4	23.4	24.0	24.7	28.4	29.0	29.0	29.6	30.3

12H	4H	21.9	22.8	22.5	23.3	23.9	24.8	25.6	25.4	26.2	26.8
	6H	22.8	23.4	23.4	24.0	24.7	26.5	27.2	27.1	27.8	28.4
	8H	23.1	23.7	23.7	24.3	25.0	27.5	28.1	28.1	28.7	29.4

Maximum UGR = 30.3

POLAR GRAPH



Maximum Candela = 1510.55 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.)