

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS3C-4-PS1-3C-M-42W-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-42W-40K- 19000020

[LUMINAIRE] BS3C-4-PS1-3C-M-42W-40K- 19000020

[LAMP] 6149 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	6149
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	42
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-42W-40K- 19000020.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	11808	10682	10709
55	10915	9808	10054
65	9692	8966	9443
75	7769	8298	8958
85	4806	8121	8827

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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	1787.131	1787.131	1787.131	1787.131	1787.131
5	1778.349	1777.804	1778.790	1780.043	1784.590
10	1746.758	1753.162	1755.030	1757.036	1767.467
15	1699.100	1707.117	1718.636	1718.729	1737.211
20	1632.461	1646.197	1667.858	1668.124	1694.041
25	1548.573	1566.797	1602.298	1606.138	1636.128
30	1455.413	1475.588	1526.482	1533.885	1574.199
35	1345.931	1373.693	1438.858	1452.107	1494.231
40	1228.804	1260.557	1341.152	1360.873	1411.828
45	1102.605	1137.918	1235.695	1266.068	1318.216
50	971.103	1010.745	1121.643	1166.876	1221.901
55	838.581	884.162	1006.881	1063.798	1118.417
60	700.328	754.238	889.001	959.038	1014.515
65	561.529	626.380	775.759	854.068	906.726
70	422.835	506.597	664.944	749.250	800.540
75	289.721	396.476	562.179	647.553	697.601
80	169.832	299.559	467.093	551.714	597.945
85	74.540	218.383	381.104	462.802	506.376
90	30.047	154.089	304.617	382.555	423.925
95	27.344	101.674	240.125	313.712	350.755
100	24.791	48.678	132.035	252.759	285.892
105	21.311	35.430	34.258	23.144	98.705
110	18.296	22.565	71.593	55.895	11.208
115	13.702	10.175	48.888	98.844	124.042
120	4.930	2.981	31.406	70.304	90.375
125	3.143	3.051	16.834	46.219	62.184
130	6.056	8.016	7.228	26.996	38.946
135	7.320	6.207	4.896	13.190	21.126
140	5.905	4.142	4.559	6.172	8.840
145	5.197	3.202	4.281	5.349	5.615
150	4.257	3.318	4.014	4.722	4.896
155	3.991	3.143	2.181	4.223	4.351
160	3.851	3.202	3.027	2.112	2.019
165	3.874	3.411	3.190	3.214	2.448
170	4.108	4.119	3.249	3.400	3.342
175	4.408	4.257	3.758	3.400	3.539
180	3.000	3.000	3.000	3.000	3.000

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : BS3C-4-PS1-3C-M-42W-40K- 19000020.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	653.33	N.A.	10.60
0-30	1387.42	N.A.	22.60
0-40	2276.92	N.A.	37.00
0-60	4093.01	N.A.	66.60
0-80	5391.66	N.A.	87.70
0-90	5764.91	N.A.	93.80
10-90	5595.81	N.A.	91.00
20-40	1623.59	N.A.	26.40
20-50	2559.71	N.A.	41.60
40-70	2557.7	N.A.	41.60
60-80	1298.65	N.A.	21.10
70-80	557.04	N.A.	9.10
80-90	373.25	N.A.	6.10
90-110	298.67	N.A.	4.90
90-120	346.50	N.A.	5.60
90-130	369.90	N.A.	6.00
90-150	380.90	N.A.	6.20
90-180	383.78	N.A.	6.20
110-180	85.10	N.A.	1.40
0-180	6148.69	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	169.10
10-20	484.23
20-30	734.09
30-40	889.50
40-50	936.12
50-60	879.98
60-70	741.61
70-80	557.04
80-90	373.25
90-100	228.31
100-110	70.37
110-120	47.83
120-130	23.40
130-140	8.03
140-150	2.97
150-160	1.62
160-170	0.91
170-180	0.35

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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	18.1	19.7	18.6	20.1	20.6	20.5	22.1	21.0	22.6	23.0
	3H	19.6	21.0	20.1	21.5	22.0	23.1	24.5	23.6	25.0	25.5
	4H	20.1	21.5	20.6	21.9	22.4	24.3	25.7	24.8	26.2	26.7
	6H	20.4	21.7	20.9	22.2	22.7	25.6	26.9	26.1	27.4	27.9
	8H	20.5	21.7	21.0	22.2	22.8	26.3	27.5	26.8	28.0	28.5
	12H	20.5	21.7	21.0	22.2	22.8	27.0	28.2	27.5	28.7	29.2

### UGR Viewed Endwise

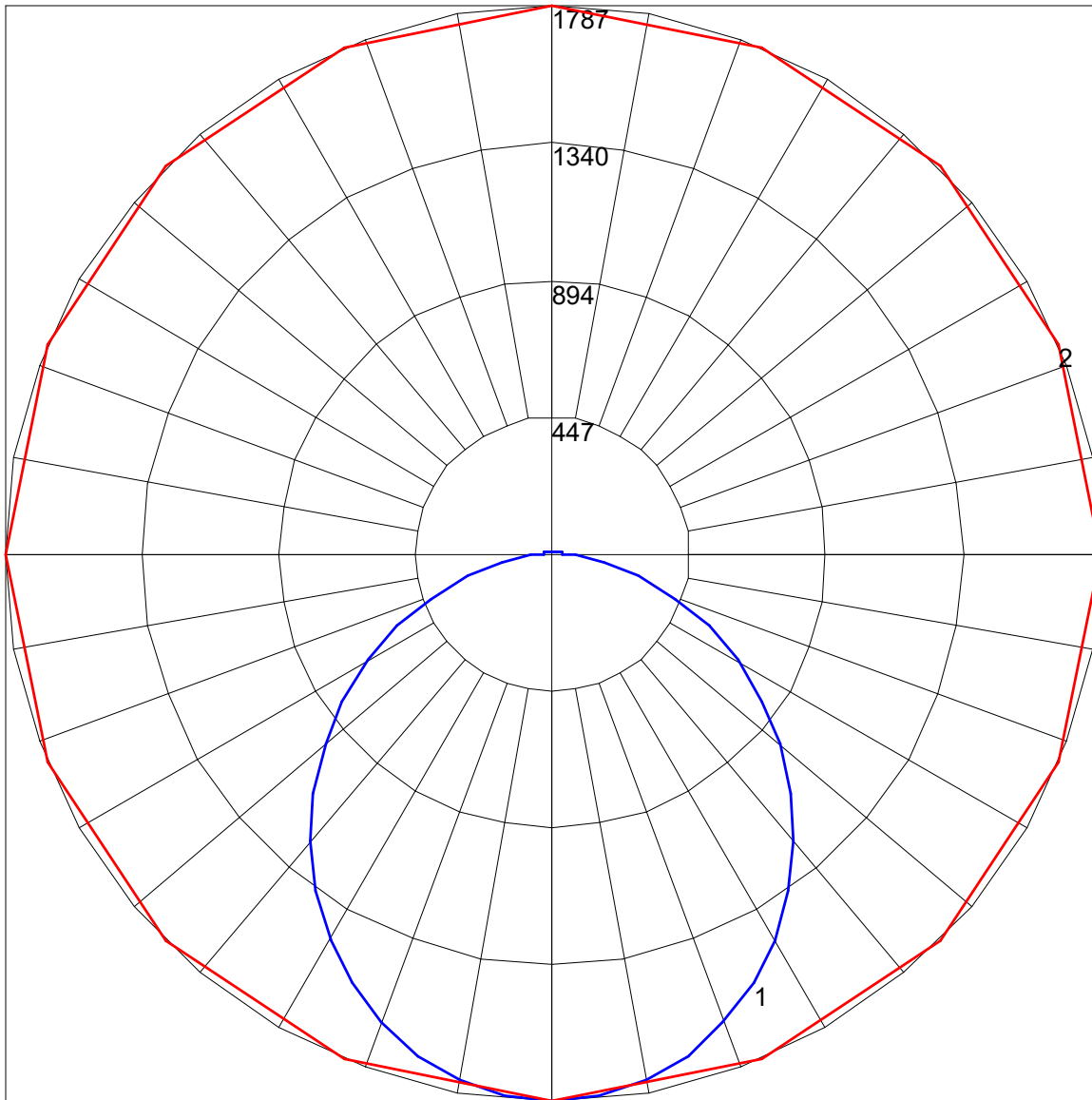
4H	2H	19.1	20.5	19.6	21.0	21.5	21.0	22.4	21.5	22.8	23.4
	3H	20.9	22.0	21.4	22.6	23.1	23.8	24.9	24.3	25.4	26.0
	4H	21.5	22.6	22.0	23.1	23.7	25.2	26.2	25.7	26.8	27.3
	6H	22.0	22.9	22.5	23.5	24.0	26.6	27.6	27.2	28.1	28.7
	8H	22.1	23.0	22.6	23.5	24.1	27.4	28.3	28.0	28.9	29.4
	12H	22.2	23.0	22.7	23.6	24.2	28.2	29.1	28.8	29.6	30.2

8H	4H	22.3	23.2	22.9	23.8	24.4	25.4	26.3	26.0	26.8	27.4
	6H	23.0	23.8	23.6	24.3	24.9	27.1	27.8	27.6	28.4	29.0
	8H	23.2	23.9	23.8	24.5	25.1	28.0	28.6	28.6	29.2	29.9
	12H	23.4	24.0	24.0	24.6	25.3	29.0	29.6	29.6	30.2	30.9

12H	4H	22.5	23.4	23.1	23.9	24.5	25.4	26.2	26.0	26.8	27.4
	6H	23.4	24.0	24.0	24.6	25.3	27.1	27.8	27.7	28.4	29.0
	8H	23.7	24.3	24.3	24.9	25.6	28.1	28.7	28.7	29.3	30.0

Maximum UGR = 30.9

POLAR GRAPH



Maximum Candela = 1787.131 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.)