

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS3C-4-PS2-3C-M-65W-40K- 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-65W-40K- 19000021

[LUMINAIRE] BS3C-4-PS2-3C-M-65W-40K- 19000021

[LAMP] 9516 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	9516
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	146
Total Luminaire Watts	65
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-65W-40K- 19000021.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	18354	16456	16481
55	16867	15040	15447
65	14915	13736	14519
75	11963	12775	13837
85	7423	12575	13760

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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	2788.180	2788.180	2788.180	2788.180	2788.180
5	2773.097	2771.507	2772.341	2772.918	2778.209
10	2724.878	2729.880	2735.382	2729.435	2745.508
15	2646.136	2662.176	2670.613	2670.524	2695.300
20	2543.942	2567.062	2587.536	2589.993	2623.862
25	2412.681	2440.936	2488.543	2491.000	2537.006
30	2262.956	2295.491	2368.108	2378.334	2429.098
35	2095.892	2130.472	2224.909	2243.449	2305.472
40	1908.609	1952.515	2070.205	2103.040	2174.478
45	1713.835	1759.830	1903.507	1952.916	2028.656
50	1506.566	1561.021	1724.705	1793.221	1876.653
55	1295.841	1358.365	1543.925	1635.894	1718.436
60	1079.770	1157.466	1363.623	1473.632	1557.309
65	864.176	958.478	1188.422	1312.470	1394.113
70	651.972	776.465	1019.257	1153.086	1234.040
75	446.127	607.466	865.487	1000.083	1077.580
80	260.588	459.887	720.977	858.885	927.789
85	115.144	336.385	590.082	724.811	789.370
90	48.185	238.214	474.905	602.508	663.544
95	43.872	156.894	374.666	495.435	551.867
100	39.726	75.752	207.435	401.587	451.995
105	34.013	56.055	47.796	35.347	156.460
110	29.433	36.114	113.955	86.600	14.139
115	22.520	16.684	78.352	159.250	199.076
120	8.381	5.047	50.852	113.821	146.479
125	5.591	5.135	27.433	75.829	101.706
130	10.271	13.172	11.760	44.995	64.624
135	12.072	10.404	8.070	22.665	35.603
140	9.837	6.180	7.659	10.204	15.061
145	8.314	4.768	7.414	9.193	9.715
150	6.970	5.602	6.881	8.358	8.570
155	6.447	5.546	3.724	7.647	7.614
160	6.413	5.479	5.513	3.735	3.424
165	6.903	6.024	5.602	5.780	3.835
170	7.959	7.580	5.691	5.947	5.680
175	8.314	8.036	6.581	6.192	5.957
180	8.000	8.000	8.000	8.000	8.000

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : BS3C-4-PS2-3C-M-65W-40K- 19000021.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	1016.54	N.A.	10.70
0-30	2156.9	N.A.	22.70
0-40	3534.15	N.A.	37.10
0-60	6332.09	N.A.	66.50
0-80	8328.98	N.A.	87.50
0-90	8909.21	N.A.	93.60
10-90	8645.78	N.A.	90.90
20-40	2517.61	N.A.	26.50
20-50	3962.53	N.A.	41.60
40-70	3936.55	N.A.	41.40
60-80	1996.89	N.A.	21.00
70-80	858.29	N.A.	9.00
80-90	580.23	N.A.	6.10
90-110	468.47	N.A.	4.90
90-120	545.15	N.A.	5.70
90-130	583.44	N.A.	6.10
90-150	601.80	N.A.	6.30
90-180	606.87	N.A.	6.40
110-180	138.40	N.A.	1.50
0-180	9516.08	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	263.44
10-20	753.11
20-30	1140.36
30-40	1377.25
40-50	1444.92
50-60	1353.03
60-70	1138.6
70-80	858.29
80-90	580.23
90-100	358.32
100-110	110.14
110-120	76.68
120-130	38.29
130-140	13.40
140-150	4.96
150-160	2.81
160-170	1.60
170-180	0.66

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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

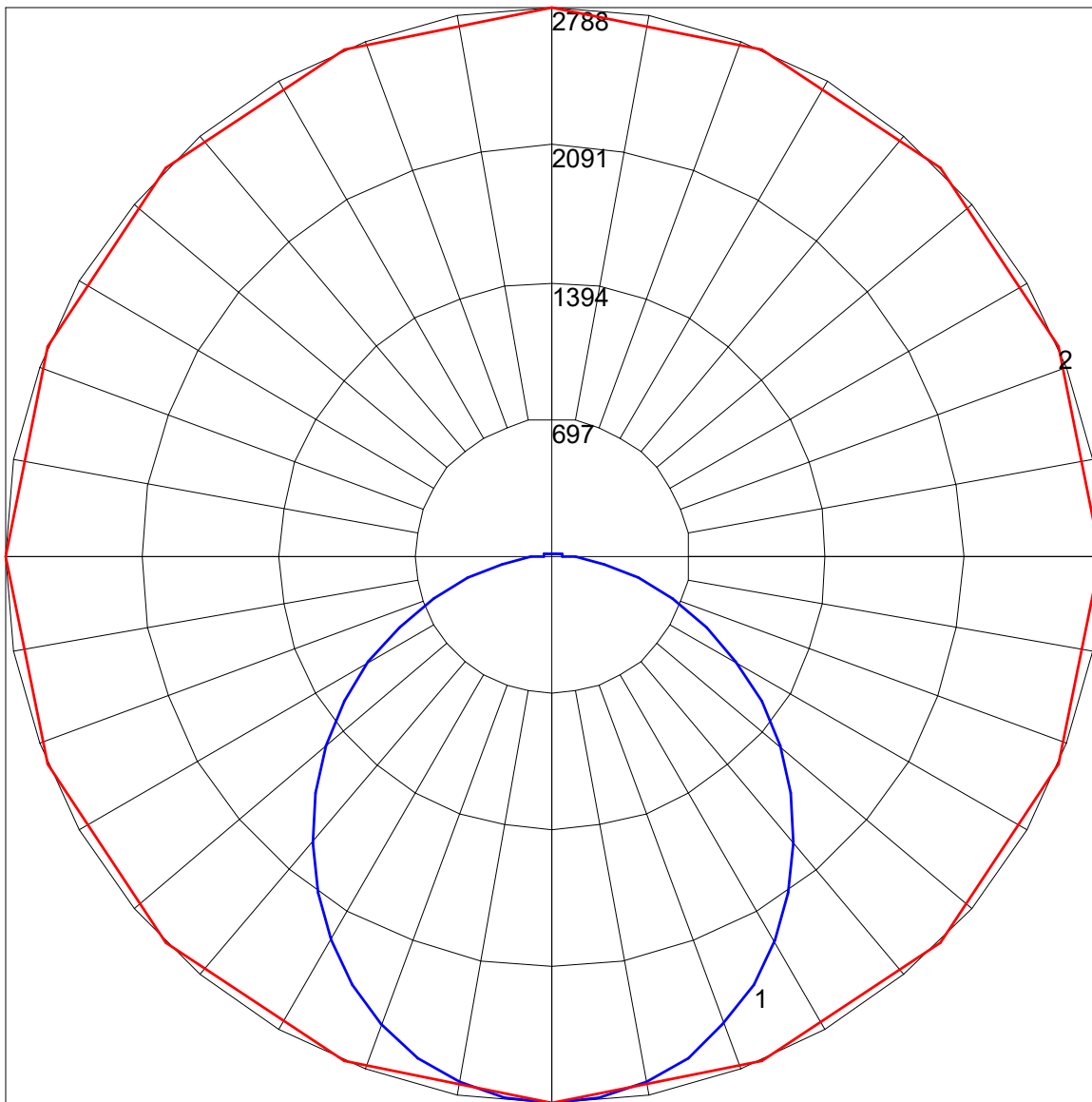
X=2H	Y=2H	19.6	21.1	20.0	21.6	22.0	22.0	23.6	22.5	24.0	24.5
	3H	21.1	22.5	21.5	22.9	23.4	24.6	26.0	25.0	26.4	26.9
	4H	21.6	22.9	22.0	23.4	23.9	25.8	27.2	26.3	27.6	28.1
	6H	21.9	23.1	22.4	23.6	24.1	27.1	28.4	27.6	28.9	29.4
	8H	21.9	23.2	22.4	23.7	24.2	27.8	29.0	28.3	29.5	30.0
	12H	22.0	23.2	22.5	23.6	24.2	28.5	29.7	29.0	30.2	30.7

### UGR Viewed Endwise

4H	2H	20.6	21.9	21.1	22.4	22.9	22.5	23.8	22.9	24.3	24.8
	3H	22.3	23.5	22.8	24.0	24.5	25.2	26.4	25.7	26.9	27.4
	4H	23.0	24.0	23.5	24.5	25.1	26.6	27.7	27.2	28.2	28.8
	6H	23.4	24.4	23.9	24.9	25.5	28.1	29.1	28.7	29.6	30.2
	8H	23.5	24.4	24.1	25.0	25.6	28.9	29.8	29.4	30.3	30.9
	12H	23.6	24.4	24.2	25.0	25.6	29.8	30.6	30.3	31.1	31.8
8H	4H	23.8	24.7	24.3	25.2	25.8	26.9	27.8	27.4	28.3	28.9
	6H	24.4	25.2	25.0	25.8	26.4	28.5	29.3	29.1	29.9	30.5
	8H	24.7	25.4	25.3	26.0	26.6	29.5	30.1	30.1	30.7	31.4
	12H	24.8	25.5	25.4	26.1	26.7	30.5	31.1	31.1	31.7	32.4
12H	4H	24.0	24.8	24.6	25.4	26.0	26.9	27.7	27.4	28.3	28.9
	6H	24.8	25.5	25.4	26.1	26.7	28.6	29.3	29.2	29.9	30.5
	8H	25.1	25.8	25.7	26.4	27.0	29.6	30.2	30.2	30.8	31.5

Maximum UGR = 32.4

POLAR GRAPH



Maximum Candela = 2788.18 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.)