

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS3C-4-PS2-3C-M-30W-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-30W-35K- 19000021

[LUMINAIRE] BS3C-4-PS2-3C-M-30W-35K- 19000021

[LAMP] 4500 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	4500
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	150
Total Luminaire Watts	30
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-30W-35K- 19000021.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8679	7782	7794
55	7976	7112	7305
65	7053	6496	6866
75	5657	6041	6543
85	3510	5947	6507

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : BS3C-4-PS2-3C-M-30W-35K- 19000021.IES****CANDELA TABULATION**

	<u>0.0</u>	<u>22.5</u>	<u>45.0</u>	<u>67.5</u>	<u>90.0</u>
<b>0</b>	1318.514	1318.514	1318.514	1318.514	1318.514
<b>5</b>	1311.382	1310.630	1311.024	1311.297	1313.799
<b>10</b>	1288.579	1290.945	1293.546	1290.734	1298.335
<b>15</b>	1251.343	1258.928	1262.918	1262.876	1274.592
<b>20</b>	1203.016	1213.949	1223.631	1224.793	1240.809
<b>25</b>	1140.943	1154.304	1176.818	1177.979	1199.736
<b>30</b>	1070.139	1085.525	1119.865	1124.700	1148.707
<b>35</b>	991.135	1007.488	1052.146	1060.914	1090.245
<b>40</b>	902.570	923.333	978.988	994.515	1028.298
<b>45</b>	810.463	832.214	900.158	923.523	959.340
<b>50</b>	712.446	738.198	815.603	848.004	887.458
<b>55</b>	612.796	642.363	730.113	773.605	812.639
<b>60</b>	510.617	547.359	644.850	696.872	736.442
<b>65</b>	408.664	453.259	561.998	620.659	659.268
<b>70</b>	308.314	367.186	482.001	545.288	583.570
<b>75</b>	210.971	287.267	409.284	472.934	509.581
<b>80</b>	123.231	217.478	340.946	406.162	438.746
<b>85</b>	54.451	159.075	279.046	342.759	373.288
<b>90</b>	22.786	112.650	224.580	284.923	313.786
<b>95</b>	20.747	74.194	177.177	234.288	260.975
<b>100</b>	18.786	35.822	98.095	189.908	213.746
<b>105</b>	16.085	26.508	22.602	16.715	73.989
<b>110</b>	13.919	17.078	53.889	40.952	6.686
<b>115</b>	10.650	7.890	37.052	75.308	94.142
<b>120</b>	3.963	2.386	24.048	53.825	69.269
<b>125</b>	2.644	2.429	12.973	35.859	48.096
<b>130</b>	4.857	6.229	5.561	21.278	30.560
<b>135</b>	5.709	4.920	3.816	10.718	16.836
<b>140</b>	4.652	2.923	3.622	4.825	7.122
<b>145</b>	3.932	2.255	3.506	4.347	4.594
<b>150</b>	3.296	2.649	3.254	3.953	4.052
<b>155</b>	3.049	2.623	1.761	3.616	3.600
<b>160</b>	3.033	2.591	2.607	1.766	1.619
<b>165</b>	3.264	2.849	2.649	2.733	1.813
<b>170</b>	3.764	3.585	2.691	2.812	2.686
<b>175</b>	3.932	3.800	3.112	2.928	2.817
<b>180</b>	3.000	3.000	3.000	3.000	3.000

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Zone	Lumens	%Lamp	%Fixt
0-20	480.72	N.A.	10.70
0-30	1019.99	N.A.	22.70
0-40	1671.28	N.A.	37.10
0-60	2994.41	N.A.	66.50
0-80	3938.73	N.A.	87.50
0-90	4213.12	N.A.	93.60
10-90	4088.54	N.A.	90.90
20-40	1190.56	N.A.	26.50
20-50	1873.86	N.A.	41.60
40-70	1861.57	N.A.	41.40
60-80	944.32	N.A.	21.00
70-80	405.88	N.A.	9.00
80-90	274.39	N.A.	6.10
90-110	221.54	N.A.	4.90
90-120	257.80	N.A.	5.70
90-130	275.90	N.A.	6.10
90-150	284.59	N.A.	6.30
90-180	286.98	N.A.	6.40
110-180	65.44	N.A.	1.50
0-180	4500.09	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	124.58
10-20	356.14
20-30	539.27
30-40	651.30
40-50	683.29
50-60	639.84
60-70	538.44
70-80	405.88
80-90	274.39
90-100	169.45
100-110	52.09
110-120	36.26
120-130	18.11
130-140	6.34
140-150	2.35
150-160	1.33
160-170	0.76
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	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	17.0	18.5	17.4	19.0	19.4	19.4	21.0	19.9	21.4	21.9
	3H	18.5	19.9	18.9	20.3	20.8	22.0	23.4	22.4	23.8	24.3
	4H	19.0	20.3	19.4	20.8	21.3	23.2	24.6	23.7	25.0	25.5
	6H	19.3	20.5	19.8	21.0	21.5	24.5	25.8	25.0	26.3	26.8
	8H	19.3	20.6	19.8	21.1	21.6	25.2	26.4	25.7	26.9	27.4
	12H	19.4	20.6	19.9	21.0	21.6	25.9	27.1	26.4	27.6	28.1

### UGR Viewed Endwise

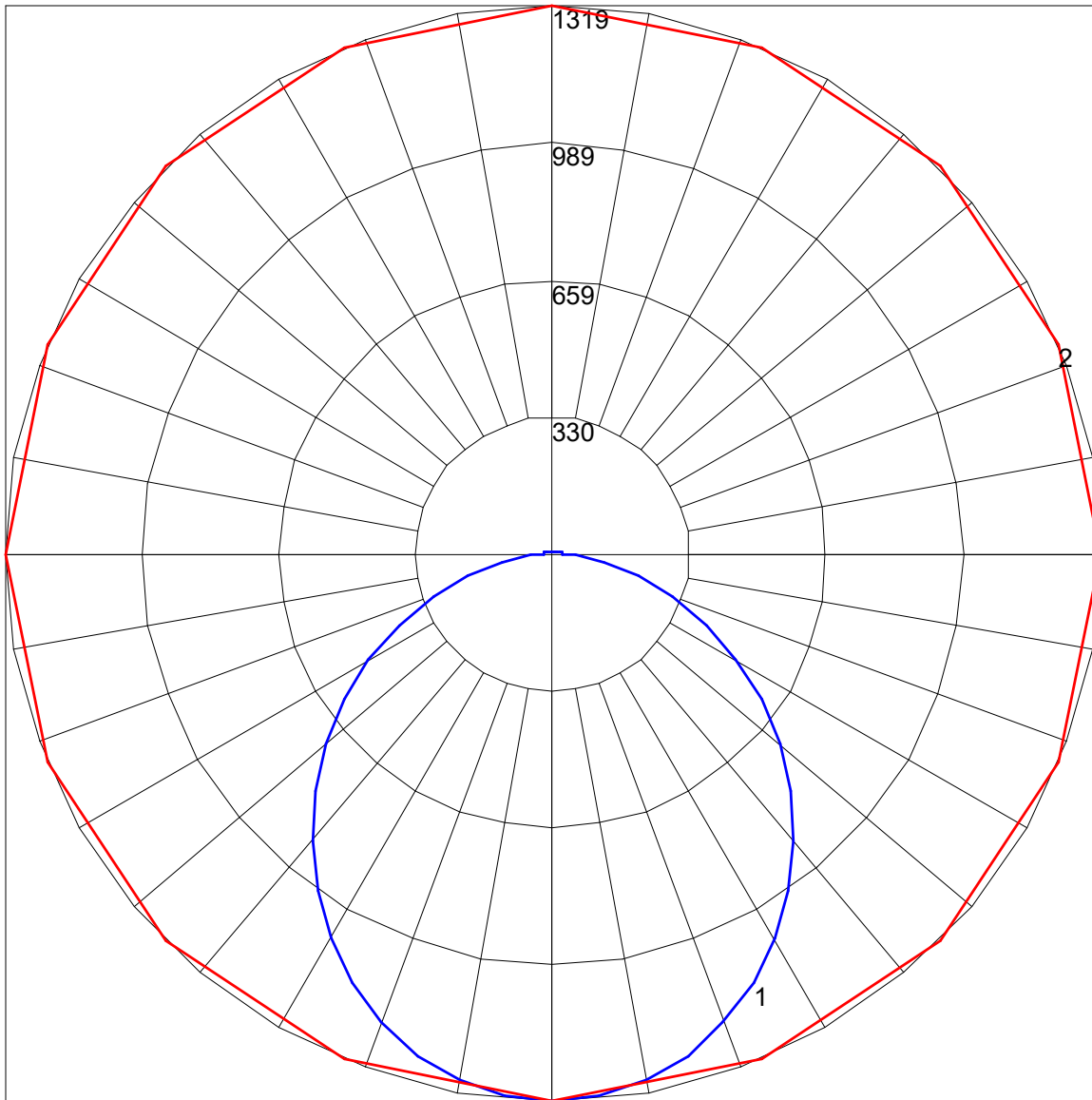
4H	2H	18.0	19.3	18.5	19.8	20.3	19.9	21.2	20.3	21.7	22.2
	3H	19.7	20.9	20.2	21.4	21.9	22.6	23.8	23.1	24.3	24.8
	4H	20.4	21.4	20.9	21.9	22.5	24.0	25.1	24.6	25.6	26.2
	6H	20.8	21.8	21.3	22.3	22.9	25.5	26.5	26.1	27.0	27.6
	8H	20.9	21.8	21.5	22.4	23.0	26.3	27.2	26.8	27.7	28.3
	12H	21.0	21.8	21.6	22.4	23.0	27.2	28.0	27.7	28.5	29.2

8H	4H	21.2	22.1	21.7	22.6	23.2	24.3	25.2	24.8	25.7	26.3
	6H	21.8	22.6	22.4	23.2	23.8	25.9	26.7	26.5	27.3	27.9
	8H	22.1	22.8	22.7	23.4	24.0	26.9	27.5	27.5	28.1	28.8
	12H	22.2	22.9	22.8	23.5	24.1	27.9	28.5	28.5	29.1	29.8

12H	4H	21.4	22.2	22.0	22.8	23.4	24.3	25.1	24.8	25.7	26.3
	6H	22.2	22.9	22.8	23.5	24.1	26.0	26.7	26.6	27.3	27.9
	8H	22.5	23.2	23.1	23.8	24.4	27.0	27.6	27.6	28.2	28.9

Maximum UGR = 29.8

POLAR GRAPH



Maximum Candela = 1318.514 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.)