

## IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS3C-4-PS1-3C-M-30W-35K- 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-30W-35K- 19000020

[LUMINAIRE] BS3C-4-PS1-3C-M-30W-35K- 19000020

[LAMP] 4350 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	4350
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	145
Total Luminaire Watts	30
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-30W-35K- 19000020.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8354	7557	7577
55	7722	6939	7113
65	6857	6343	6681
75	5496	5870	6337
85	3400	5746	6245

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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	1264.331	1264.331	1264.331	1264.331	1264.331
5	1258.119	1257.733	1258.430	1259.317	1262.534
10	1235.769	1240.300	1241.621	1243.041	1250.420
15	1202.053	1207.724	1215.874	1215.940	1229.015
20	1154.908	1164.626	1179.950	1180.138	1198.474
25	1095.560	1108.453	1133.569	1136.286	1157.503
30	1029.653	1043.926	1079.933	1085.169	1113.690
35	952.198	971.839	1017.941	1027.314	1057.116
40	869.336	891.799	948.817	962.770	998.818
45	780.054	805.037	874.211	895.698	932.591
50	687.021	715.066	793.522	825.523	864.452
55	593.266	625.513	712.333	752.599	791.240
60	495.457	533.597	628.936	678.485	717.733
65	397.262	443.142	548.822	604.223	641.477
70	299.141	358.399	470.424	530.068	566.353
75	204.967	280.493	397.721	458.121	493.528
80	120.150	211.927	330.452	390.318	423.025
85	52.734	154.499	269.618	327.416	358.243
90	21.257	109.013	215.505	270.644	299.912
95	19.345	71.931	169.880	221.940	248.147
100	17.539	34.439	93.410	178.818	202.258
105	15.077	25.065	24.237	16.374	69.830
110	12.943	15.964	50.649	39.544	7.929
115	9.693	7.198	34.586	69.928	87.755
120	3.488	2.109	22.218	49.738	63.937
125	2.224	2.158	11.910	32.699	43.993
130	4.284	5.672	5.113	19.099	27.553
135	5.179	4.391	3.463	9.332	14.946
140	4.178	2.930	3.225	4.367	6.255
145	3.677	2.265	3.028	3.784	3.973
150	3.012	2.347	2.840	3.341	3.463
155	2.824	2.224	1.543	2.987	3.078
160	2.725	2.265	2.142	1.494	1.428
165	2.741	2.413	2.257	2.274	1.732
170	2.906	2.914	2.298	2.405	2.364
175	3.119	3.012	2.659	2.405	2.503
180	2.000	2.000	2.000	2.000	2.000

**IES INDOOR REPORT****PHOTOMETRIC FILENAME : BS3C-4-PS1-3C-M-30W-35K- 19000020.IES****ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	462.20	N.A.	10.60
0-30	981.55	N.A.	22.60
0-40	1610.84	N.A.	37.00
0-60	2895.66	N.A.	66.60
0-80	3814.41	N.A.	87.70
0-90	4078.47	N.A.	93.80
10-90	3958.84	N.A.	91.00
20-40	1148.64	N.A.	26.40
20-50	1810.91	N.A.	41.60
40-70	1809.48	N.A.	41.60
60-80	918.75	N.A.	21.10
70-80	394.09	N.A.	9.10
80-90	264.06	N.A.	6.10
90-110	211.30	N.A.	4.90
90-120	245.14	N.A.	5.60
90-130	261.69	N.A.	6.00
90-150	269.48	N.A.	6.20
90-180	271.51	N.A.	6.20
110-180	60.20	N.A.	1.40
0-180	4349.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	119.63
10-20	342.57
20-30	519.35
30-40	629.29
40-50	662.27
50-60	622.55
60-70	524.66
70-80	394.09
80-90	264.06
90-100	161.52
100-110	49.78
110-120	33.84
120-130	16.55
130-140	5.68
140-150	2.10
150-160	1.14
160-170	0.64
170-180	0.25

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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	16.9	18.5	17.4	18.9	19.4	19.3	20.9	19.8	21.4	21.8
	3H	18.4	19.8	18.9	20.3	20.8	21.9	23.3	22.4	23.8	24.3
	4H	18.9	20.3	19.4	20.7	21.2	23.1	24.5	23.6	25.0	25.5
	6H	19.2	20.5	19.7	21.0	21.5	24.4	25.7	24.9	26.2	26.7
	8H	19.3	20.5	19.8	21.0	21.6	25.1	26.3	25.6	26.8	27.3
	12H	19.3	20.5	19.8	21.0	21.6	25.8	27.0	26.3	27.5	28.0

### UGR Viewed Endwise

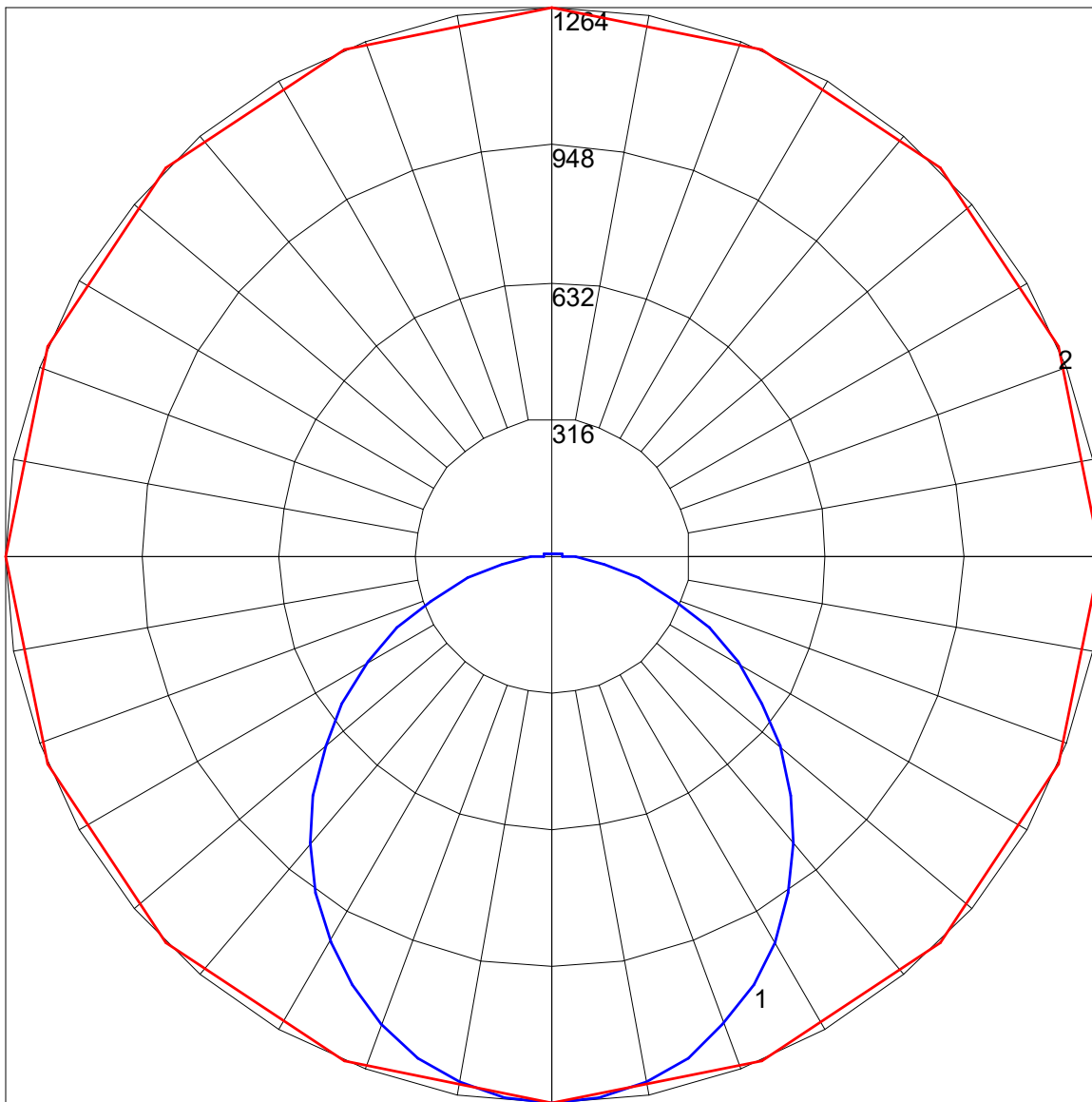
4H	2H	17.9	19.3	18.4	19.8	20.3	19.8	21.2	20.3	21.6	22.2
	3H	19.7	20.8	20.2	21.4	21.9	22.6	23.7	23.1	24.2	24.8
	4H	20.3	21.4	20.8	21.9	22.5	24.0	25.0	24.5	25.6	26.1
	6H	20.8	21.7	21.3	22.3	22.8	25.4	26.4	26.0	26.9	27.5
	8H	20.9	21.8	21.4	22.3	22.9	26.2	27.1	26.8	27.7	28.2
	12H	21.0	21.8	21.5	22.4	23.0	27.0	27.9	27.6	28.4	29.0

8H	4H	21.1	22.0	21.7	22.6	23.2	24.2	25.1	24.8	25.6	26.2
	6H	21.8	22.6	22.4	23.1	23.7	25.9	26.6	26.4	27.2	27.8
	8H	22.0	22.7	22.6	23.3	23.9	26.8	27.4	27.4	28.0	28.7
	12H	22.2	22.8	22.8	23.4	24.1	27.8	28.4	28.4	29.0	29.7

12H	4H	21.3	22.2	21.9	22.7	23.3	24.2	25.0	24.8	25.6	26.2
	6H	22.2	22.8	22.8	23.4	24.1	25.9	26.6	26.5	27.2	27.8
	8H	22.5	23.1	23.1	23.7	24.4	26.9	27.5	27.5	28.1	28.8

Maximum UGR = 29.7

POLAR GRAPH



Maximum Candela = 1264.331 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.)