

IES INDOOR REPORT

PHOTOMETRIC FILENAME : BS3C-4-PS1-3C-M-30W-50K- 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-50K- 19000020

[LUMINAIRE] BS3C-4-PS1-3C-M-30W-50K- 19000020

[LAMP] 4526 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	4526
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	151
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-50K- 19000020.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	8692	7863	7883
55	8035	7220	7401
65	7134	6600	6951
75	5719	6108	6594
85	3538	5978	6497

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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	1315.536	1315.536	1315.536	1315.536	1315.536
5	1309.073	1308.671	1309.396	1310.319	1313.667
10	1285.818	1290.532	1291.907	1293.384	1301.062
15	1250.736	1256.637	1265.117	1265.186	1278.790
20	1201.682	1211.793	1227.738	1227.934	1247.012
25	1139.930	1153.345	1179.479	1182.306	1204.382
30	1071.354	1086.205	1123.670	1129.118	1158.794
35	990.762	1011.199	1059.168	1068.920	1099.929
40	904.544	927.917	987.244	1001.762	1039.270
45	811.646	837.641	909.617	931.974	970.361
50	714.845	744.026	825.660	858.957	899.462
55	617.293	650.846	741.183	783.079	823.285
60	515.523	555.208	654.408	705.964	746.801
65	413.351	461.089	571.049	628.694	667.457
70	311.256	372.914	489.476	551.536	589.290
75	213.268	291.853	413.829	476.675	513.516
80	125.016	220.510	343.835	406.126	440.158
85	54.870	160.756	280.538	340.676	372.752
90	22.118	113.428	224.233	281.605	312.058
95	20.128	74.844	176.760	230.929	258.197
100	18.249	35.834	97.193	186.060	210.449
105	15.688	26.080	25.219	17.037	72.658
110	13.467	16.611	52.700	41.146	8.250
115	10.086	7.490	35.987	72.760	91.309
120	3.629	2.194	23.118	51.752	66.526
125	2.314	2.245	12.392	34.023	45.775
130	4.458	5.902	5.320	19.873	28.669
135	5.389	4.569	3.603	9.710	15.551
140	4.347	3.049	3.356	4.544	6.508
145	3.826	2.357	3.151	3.937	4.134
150	3.134	2.442	2.955	3.476	3.603
155	2.938	2.314	1.605	3.108	3.203
160	2.835	2.357	2.229	1.555	1.486
165	2.852	2.511	2.348	2.366	1.802
170	3.024	3.032	2.391	2.502	2.460
175	3.245	3.134	2.767	2.502	2.604
180	2.000	2.000	2.000	2.000	2.000

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Zone	Lumens	%Lamp	%Fixt
0-20	480.92	N.A.	10.60
0-30	1021.3	N.A.	22.60
0-40	1676.08	N.A.	37.00
0-60	3012.94	N.A.	66.60
0-80	3968.89	N.A.	87.70
0-90	4243.65	N.A.	93.80
10-90	4119.17	N.A.	91.00
20-40	1195.16	N.A.	26.40
20-50	1884.25	N.A.	41.60
40-70	1882.77	N.A.	41.60
60-80	955.96	N.A.	21.10
70-80	410.05	N.A.	9.10
80-90	274.76	N.A.	6.10
90-110	219.86	N.A.	4.90
90-120	255.07	N.A.	5.60
90-130	272.29	N.A.	6.00
90-150	280.39	N.A.	6.20
90-180	282.50	N.A.	6.20
110-180	62.64	N.A.	1.40
0-180	4526.15	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	124.48
10-20	356.45
20-30	540.38
30-40	654.78
40-50	689.09
50-60	647.77
60-70	545.91
70-80	410.05
80-90	274.76
90-100	168.06
100-110	51.80
110-120	35.21
120-130	17.22
130-140	5.91
140-150	2.19
150-160	1.19
160-170	0.67
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	17.0	18.6	17.5	19.0	19.5	19.4	21.0	19.9	21.5	21.9
	3H	18.5	19.9	19.0	20.4	20.9	22.0	23.4	22.5	23.9	24.4
	4H	19.0	20.4	19.5	20.8	21.3	23.2	24.6	23.7	25.1	25.6
	6H	19.3	20.6	19.8	21.1	21.6	24.5	25.8	25.0	26.3	26.8
	8H	19.4	20.6	19.9	21.1	21.7	25.2	26.4	25.7	26.9	27.4
	12H	19.4	20.6	19.9	21.1	21.7	25.9	27.1	26.4	27.6	28.1

UGR Viewed Endwise

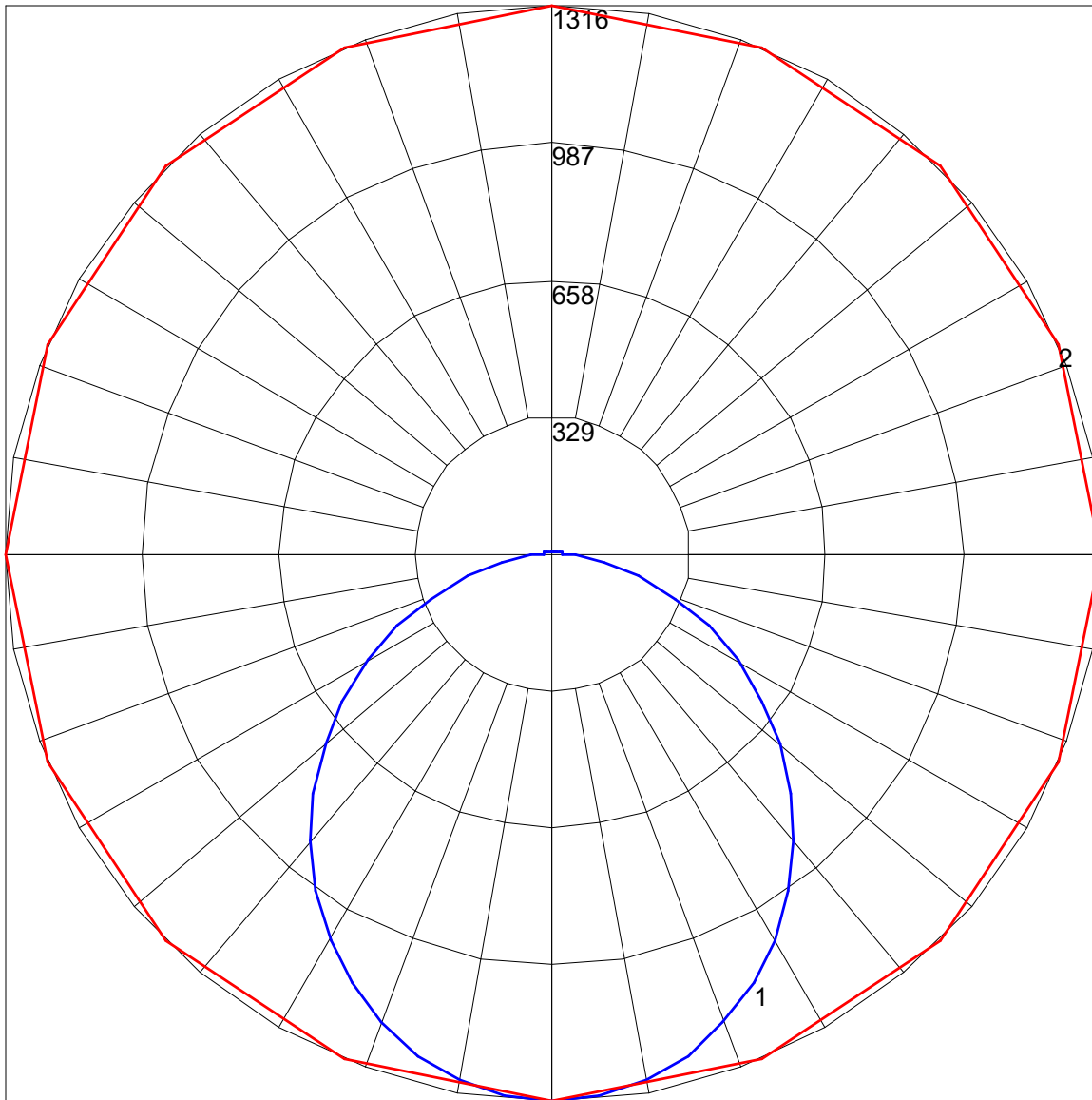
4H	2H	18.0	19.4	18.5	19.9	20.4	19.9	21.3	20.4	21.7	22.3
	3H	19.8	20.9	20.3	21.5	22.0	22.7	23.8	23.2	24.3	24.9
	4H	20.4	21.5	20.9	22.0	22.6	24.1	25.1	24.6	25.7	26.2
	6H	20.9	21.8	21.4	22.4	22.9	25.5	26.5	26.1	27.0	27.6
	8H	21.0	21.9	21.5	22.4	23.0	26.3	27.2	26.9	27.8	28.4
	12H	21.1	21.9	21.6	22.5	23.1	27.1	28.0	27.7	28.5	29.1

8H	4H	21.2	22.1	21.8	22.7	23.3	24.3	25.2	24.9	25.7	26.3
	6H	21.9	22.7	22.5	23.2	23.8	26.0	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	22.3	22.9	22.9	23.5	24.2	27.9	28.5	28.5	29.1	29.8

12H	4H	21.4	22.3	22.0	22.8	23.4	24.3	25.1	24.9	25.7	26.3
	6H	22.3	22.9	22.9	23.5	24.2	26.0	26.7	26.6	27.3	27.9
	8H	22.6	23.2	23.2	23.8	24.5	27.0	27.6	27.6	28.2	28.9

Maximum UGR = 29.8

POLAR GRAPH



Maximum Candela = 1315.536 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.)