

IES INDOOR REPORT

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

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

[LAMP] 4970 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	4970
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	142
Total Luminaire Watts	35
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-35W-35K- 19000020.IES****LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	9544	8635	8656
55	8823	7928	8126
65	7834	7248	7633
75	6280	6707	7240
85	3884	6565	7135

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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	1444.535	1444.535	1444.535	1444.535	1444.535
5	1437.437	1436.996	1437.793	1438.806	1442.482
10	1411.902	1417.078	1418.588	1420.210	1428.641
15	1373.380	1379.860	1389.171	1389.246	1404.185
20	1319.516	1330.619	1348.127	1348.342	1369.291
25	1251.709	1266.440	1295.135	1298.239	1322.480
30	1176.408	1192.716	1233.854	1239.837	1272.423
35	1087.914	1110.354	1163.027	1173.736	1207.785
40	993.241	1018.906	1084.051	1099.992	1141.178
45	891.234	919.778	998.811	1023.361	1065.512
50	784.941	816.984	906.622	943.184	987.661
55	677.824	714.667	813.861	859.866	904.015
60	566.074	609.650	718.578	775.189	820.031
65	453.883	506.302	627.045	690.342	732.906
70	341.777	409.481	537.473	605.618	647.075
75	234.181	320.471	454.408	523.416	563.870
80	137.275	242.133	377.551	445.950	483.318
85	60.250	176.519	308.046	374.082	409.303
90	24.287	124.550	246.221	309.218	342.658
95	22.102	82.183	194.093	253.573	283.515
100	20.039	39.347	106.724	204.305	231.086
105	17.226	28.638	27.691	18.708	79.783
110	14.788	18.239	57.868	45.180	9.059
115	11.075	8.224	39.516	79.895	100.263
120	3.985	2.410	25.385	56.827	73.050
125	2.541	2.466	13.607	37.359	50.263
130	4.895	6.480	5.842	21.821	31.480
135	5.917	5.017	3.957	10.662	17.076
140	4.773	3.348	3.685	4.989	7.146
145	4.201	2.588	3.460	4.323	4.539
150	3.441	2.682	3.245	3.817	3.957
155	3.226	2.541	1.763	3.413	3.517
160	3.113	2.588	2.447	1.707	1.632
165	3.132	2.757	2.579	2.598	1.979
170	3.320	3.329	2.626	2.748	2.701
175	3.563	3.441	3.038	2.748	2.860
180	3.000	3.000	3.000	3.000	3.000

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Zone	Lumens	%Lamp	%Fixt
0-20	528.08	N.A.	10.60
0-30	1121.45	N.A.	22.60
0-40	1840.43	N.A.	37.00
0-60	3308.38	N.A.	66.60
0-80	4358.07	N.A.	87.70
0-90	4659.77	N.A.	93.80
10-90	4523.09	N.A.	91.00
20-40	1312.35	N.A.	26.40
20-50	2069.01	N.A.	41.60
40-70	2067.39	N.A.	41.60
60-80	1049.7	N.A.	21.10
70-80	450.26	N.A.	9.10
80-90	301.70	N.A.	6.10
90-110	241.42	N.A.	4.90
90-120	280.08	N.A.	5.60
90-130	298.99	N.A.	6.00
90-150	307.88	N.A.	6.20
90-180	310.21	N.A.	6.20
110-180	68.79	N.A.	1.40
0-180	4969.98	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	136.68
10-20	391.40
20-30	593.37
30-40	718.98
40-50	756.66
50-60	711.28
60-70	599.44
70-80	450.26
80-90	301.70
90-100	184.54
100-110	56.88
110-120	38.66
120-130	18.91
130-140	6.49
140-150	2.40
150-160	1.31
160-170	0.73
170-180	0.29

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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	17.4	19.0	17.9	19.4	19.9	19.8	21.4	20.3	21.9	22.3
	3H	18.9	20.3	19.4	20.8	21.3	22.4	23.8	22.9	24.3	24.8
	4H	19.4	20.8	19.9	21.2	21.7	23.6	25.0	24.1	25.5	26.0
	6H	19.7	21.0	20.2	21.5	22.0	24.9	26.2	25.4	26.7	27.2
	8H	19.8	21.0	20.3	21.5	22.1	25.6	26.8	26.1	27.3	27.8
	12H	19.8	21.0	20.3	21.5	22.1	26.3	27.5	26.8	28.0	28.5

UGR Viewed Endwise

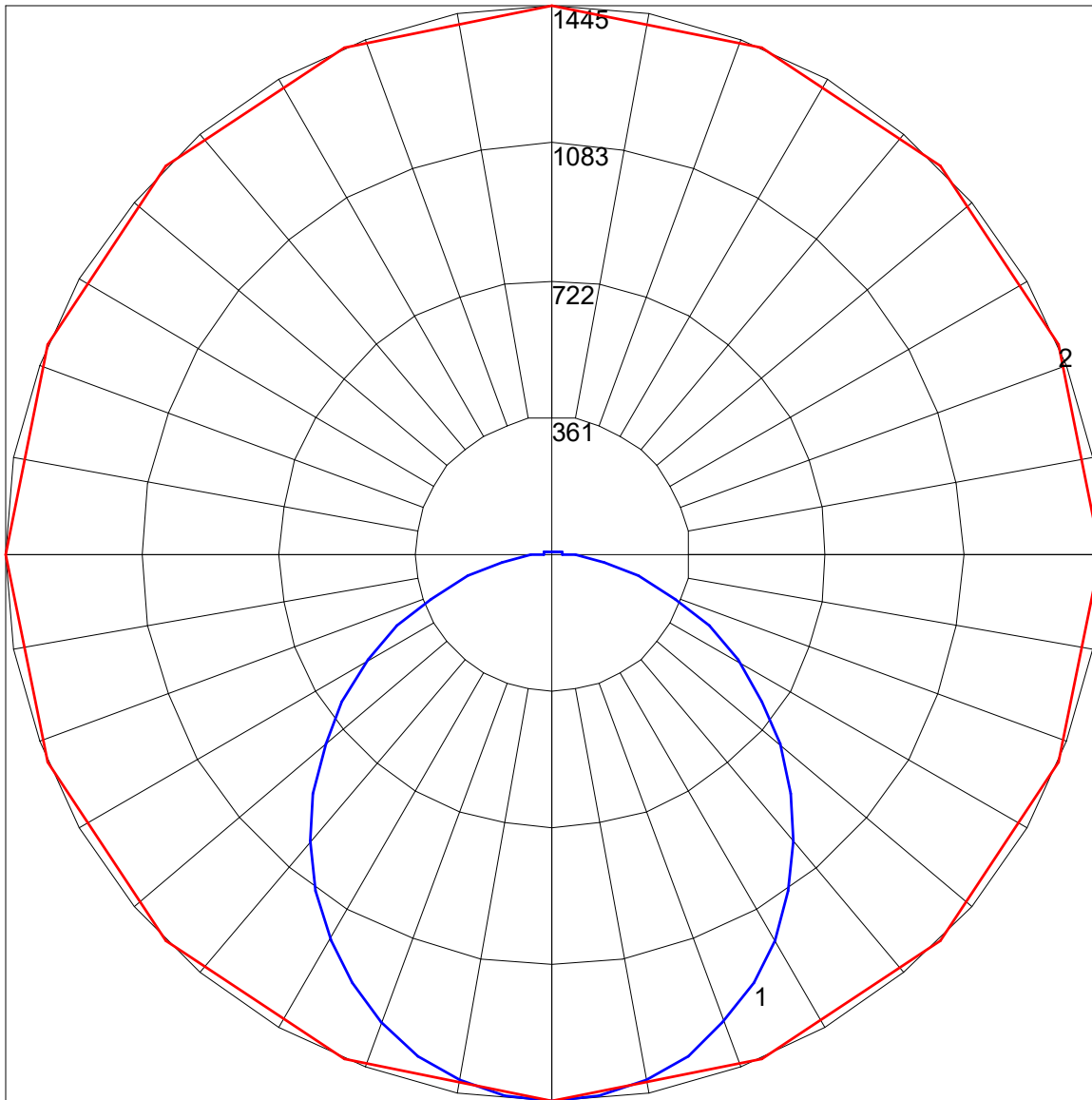
4H	2H	18.4	19.8	18.9	20.3	20.8	20.3	21.7	20.8	22.1	22.7
	3H	20.2	21.3	20.7	21.9	22.4	23.1	24.2	23.6	24.7	25.3
	4H	20.8	21.9	21.3	22.4	23.0	24.5	25.5	25.0	26.1	26.6
	6H	21.3	22.2	21.8	22.8	23.3	25.9	26.9	26.5	27.4	28.0
	8H	21.4	22.3	21.9	22.8	23.4	26.7	27.6	27.3	28.2	28.7
	12H	21.5	22.3	22.0	22.9	23.5	27.5	28.4	28.1	28.9	29.5

8H	4H	21.6	22.5	22.2	23.1	23.7	24.7	25.6	25.2	26.1	26.7
	6H	22.3	23.1	22.9	23.6	24.2	26.4	27.1	26.9	27.7	28.3
	8H	22.5	23.2	23.1	23.8	24.4	27.3	27.9	27.9	28.5	29.2
	12H	22.7	23.3	23.3	23.9	24.6	28.3	28.9	28.9	29.5	30.2

12H	4H	21.8	22.7	22.4	23.2	23.8	24.7	25.5	25.3	26.1	26.7
	6H	22.7	23.3	23.3	23.9	24.6	26.4	27.1	27.0	27.7	28.3
	8H	23.0	23.6	23.6	24.2	24.9	27.4	28.0	28.0	28.6	29.3

Maximum UGR = 30.2

POLAR GRAPH



Maximum Candela = 1444.535 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.)