

Photometric Test Report

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L022310902.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L022310902
 [TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
 [ISSUE DATE] 2/16/2023
 [MANUFAC] Bartco Lighting, Inc.
 [LUMCAT] BC8605-45-30-ND-R-SM-AW
 [LUMINAIRE] 1-5/8W LED Luminaire w/Tubular Lens, 45, 3500K,
 120-277V Non-Dimming Driver, Reg. Output, Surface Mount, Architectural White Finish
 [BALLASTCAT] CUSTOM DRIVER
 [OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND
 [MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.
 [INPUT] 120VAC
 [TEST PROCEDURE] IESNA:LM-79-08

CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2816
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	101
Total Luminaire Watts	27.95
Ballast Factor	1.00
CIE Type	Semi-Direct
Spacing Criterion (0-180)	1.40
Spacing Criterion (90-270)	1.22
Spacing Criterion (Diagonal)	1.46
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.06 ft
Luminous Width (90-270)	3.75 ft
Luminous Height	0.06 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	18385	18723	26345
55	17227	17069	24847
65	16328	15891	23290
75	15688	15049	21608
85	15221	14585	19935

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L022310902.IES

ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	236.00	N.A.	8.40
0-30	504.82	N.A.	17.90
0-40	837.95	N.A.	29.80
0-60	1568.55	N.A.	55.70
0-80	2208.94	N.A.	78.40
0-90	2453.16	N.A.	87.10
10-90	2392.32	N.A.	84.90
20-40	601.95	N.A.	21.40
20-50	966.58	N.A.	34.30
40-70	1072.27	N.A.	38.10
60-80	640.40	N.A.	22.70
70-80	298.73	N.A.	10.60
80-90	244.22	N.A.	8.70
90-110	285.17	N.A.	10.10
90-120	340.59	N.A.	12.10
90-130	359.35	N.A.	12.80
90-150	363.19	N.A.	12.90
90-180	363.19	N.A.	12.90
110-180	78.02	N.A.	2.80
0-180	2816.35	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	60.84
10-20	175.16
20-30	268.83
30-40	333.13
40-50	364.63
50-60	365.97
60-70	341.67
70-80	298.73
80-90	244.22
90-100	176.38
100-110	108.78
110-120	55.43
120-130	18.76
130-140	3.33
140-150	0.50
150-160	0.00
160-170	0.00
170-180	0.00

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L022310902.IES

COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

Effective Floor Cavity Reflectance 0.20

RC RW	80				70				50			30			10			0
	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
0	116	116	116	116	112	112	112	112	104	104	104	97	97	97	90	90	90	87
1	102	96	90	85	98	92	87	83	86	81	78	79	76	73	74	71	68	65
2	92	82	74	67	88	79	71	65	73	67	61	68	63	58	63	59	55	52
3	83	71	61	54	79	68	60	53	63	56	50	59	53	48	54	49	45	42
4	75	62	52	45	72	60	51	44	56	48	42	52	45	40	48	43	38	35
5	69	55	45	38	66	53	44	37	50	42	36	46	39	34	43	37	33	30
6	64	49	40	33	61	48	39	32	45	37	31	42	35	30	39	33	28	26
7	59	45	35	29	56	43	34	28	40	33	27	38	31	26	35	29	25	23
8	55	40	32	25	52	39	31	25	37	29	24	35	28	23	32	27	22	20
9	51	37	29	23	49	36	28	22	34	27	22	32	25	21	30	24	20	18
10	48	34	26	20	46	33	25	20	31	24	19	29	23	19	28	22	18	16

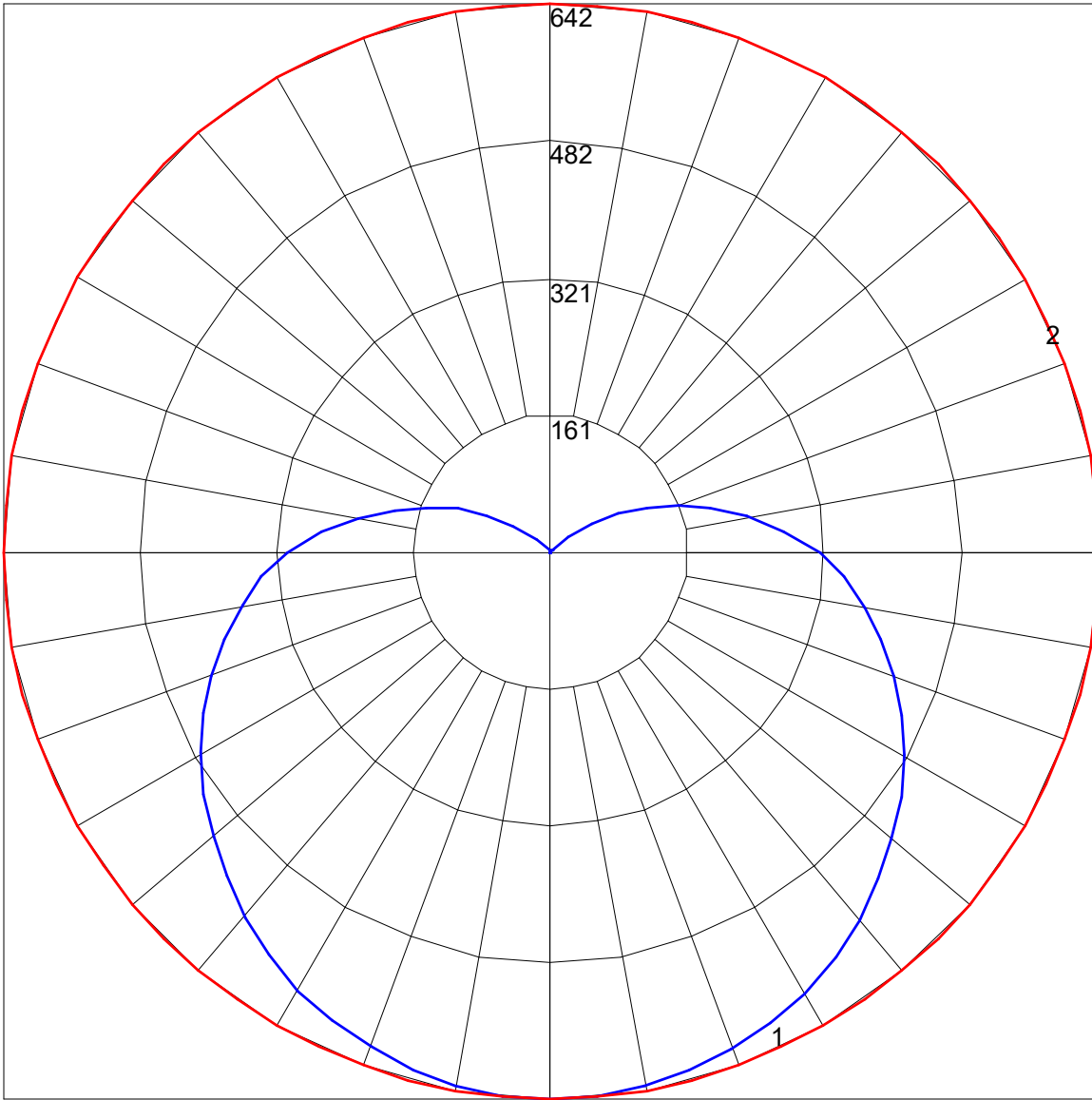
IES INDOOR REPORT
PHOTOMETRIC FILENAME : L022310902.IES

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					UGR Viewed Endwise				
X=2H	Y=2H	23.2	24.7	23.8	25.3	25.9	18.5	20.0	19.1	20.6	21.2
	3H	26.3	27.7	26.9	28.3	28.9	19.9	21.3	20.5	21.9	22.5
	4H	27.9	29.2	28.5	29.8	30.5	20.4	21.7	21.0	22.3	23.0
	6H	29.7	30.9	30.3	31.5	32.2	20.7	22.0	21.3	22.5	23.2
	8H	30.6	31.8	31.2	32.4	33.1	20.8	22.0	21.4	22.6	23.3
	12H	31.6	32.8	32.2	33.4	34.1	20.9	22.0	21.5	22.6	23.3
4H	2H	23.5	24.8	24.1	25.4	26.1	20.0	21.3	20.6	21.9	22.5
	3H	26.8	28.0	27.4	28.6	29.3	21.7	22.8	22.3	23.4	24.1
	4H	28.6	29.6	29.2	30.3	31.0	22.3	23.4	23.0	24.0	24.7
	6H	30.5	31.4	31.1	32.1	32.8	22.8	23.7	23.4	24.4	25.1
	8H	31.5	32.4	32.2	33.1	33.8	23.0	23.8	23.6	24.5	25.2
	12H	32.7	33.5	33.3	34.2	34.9	23.0	23.8	23.7	24.5	25.3
8H	4H	28.7	29.6	29.4	30.3	31.0	23.6	24.5	24.3	25.1	25.9
	6H	30.8	31.6	31.5	32.3	33.0	24.4	25.1	25.0	25.8	26.5
	8H	32.0	32.7	32.7	33.3	34.1	24.6	25.3	25.3	26.0	26.8
	12H	33.3	33.9	34.0	34.6	35.4	24.8	25.4	25.5	26.1	26.9
12H	4H	28.7	29.6	29.4	30.2	31.0	24.0	24.8	24.7	25.5	26.3
	6H	30.9	31.5	31.5	32.2	33.0	25.0	25.6	25.6	26.3	27.1
	8H	32.1	32.7	32.7	33.4	34.2	25.4	26.0	26.0	26.6	27.5

Maximum UGR = 35.4

POLAR GRAPH



Maximum Candela = 642 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.)