



8165 E. Kaiser Blvd. Anaheim, CA 92808
www.lightlaboratory.com

Photometric Test Report

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L082210903R01.IES

DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
[TEST] L082210903R01
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
[ISSUEDATE] 8/17/2022
[MANUFAC] Bartco Lighting, Inc.
[LUMCAT] BSS722-45-35-ND-2-R1-RA-WM-SN-AW (UP/DOWN)
[LUMINAIRE] 2-1/4 Tall Mullion Mount LED Luminaire
[BALLASTCAT] ADVANCE X1040C110V054BST2 (2 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	5779
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	102
Total Luminaire Watts	56.69
Ballast Factor	1.00
CIE Type	General Diffuse
Spacing Criterion (0-180)	N.A.
Spacing Criterion (90-270)	N.A.
Spacing Criterion (Diagonal)	N.A.
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.17 ft
Luminous Width (90-270)	3.67 ft
Luminous Height	0.19 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	6837	7992	14068
55	5313	6380	13180
65	3866	4603	12004
75	2383	2722	10381
85	818	833	8821

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	344.94	N.A.	6.00
0-30	728.83	N.A.	12.60
0-40	1186.79	N.A.	20.50
0-60	2078.03	N.A.	36.00
0-80	2586.87	N.A.	44.80
0-90	2646.59	N.A.	45.80
10-90	2557.04	N.A.	44.20
20-40	841.85	N.A.	14.60
20-50	1311.97	N.A.	22.70
40-70	1210.47	N.A.	20.90
60-80	508.84	N.A.	8.80
70-80	189.61	N.A.	3.30
80-90	59.72	N.A.	1.00
90-110	283.13	N.A.	4.90
90-120	747.12	N.A.	12.90
90-130	1339.61	N.A.	23.20
90-150	2485.91	N.A.	43.00
90-180	3132.13	N.A.	54.20
110-180	2849.00	N.A.	49.30
0-180	5778.72	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	89.55
10-20	255.40
20-30	383.89
30-40	457.96
40-50	470.12
50-60	421.12
60-70	319.23
70-80	189.61
80-90	59.72
90-100	48.71
100-110	234.42
110-120	463.99
120-130	592.49
130-140	613.32
140-150	532.98
150-160	385.48
160-170	206.27
170-180	54.47

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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	106	106	106	106	97	97	97	97	81	81	81	66	66	66	52	52	52	46
1	97	92	88	85	88	85	81	78	71	68	66	58	56	55	46	45	44	38
2	88	80	74	69	80	74	69	64	62	58	54	51	48	45	40	38	37	32
3	80	71	63	57	73	65	58	53	54	50	46	45	41	38	35	33	31	27
4	73	62	54	48	67	57	50	45	48	43	39	40	36	33	32	29	27	23
5	67	55	47	41	61	51	44	39	43	38	33	35	31	28	28	25	23	20
6	62	50	42	36	56	46	39	33	39	33	29	32	28	25	26	23	20	17
7	57	45	37	31	52	41	34	29	35	29	25	29	25	22	23	20	18	15
8	53	41	33	27	48	38	31	26	32	26	23	27	22	19	22	18	16	14
9	49	37	29	24	45	34	28	23	29	24	20	24	20	17	20	17	14	12
10	46	34	27	22	42	31	25	21	27	22	18	23	18	16	18	15	13	11

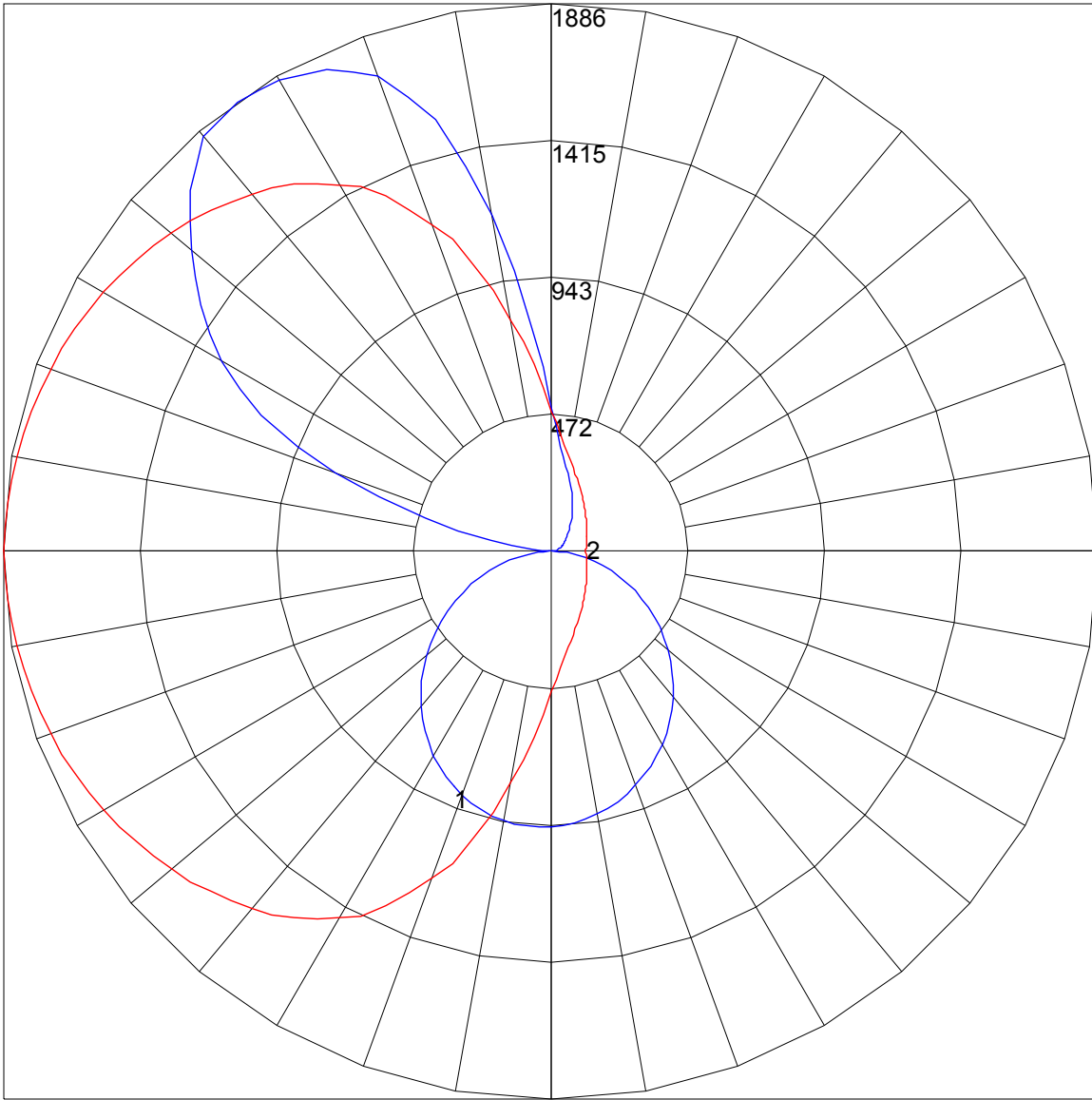
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UGR TABLE - CORRECTED

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					UGR Viewed Endwise				
X=2H	Y=2H	15.2	16.0	16.2	17.0	18.3	13.7	14.5	14.7	15.5	16.8
	3H	16.7	17.5	17.7	18.5	19.8	15.0	15.8	16.0	16.8	18.1
	4H	17.3	18.0	18.3	19.0	20.4	15.5	16.2	16.5	17.2	18.6
	6H	17.7	18.4	18.7	19.4	20.8	15.7	16.4	16.8	17.4	18.8
	8H	17.8	18.5	18.9	19.5	20.9	15.8	16.4	16.8	17.5	18.8
	12H	17.9	18.5	19.0	19.6	20.9	15.8	16.4	16.9	17.5	18.8
4H	2H	15.4	16.1	16.4	17.1	18.5	14.2	14.9	15.2	15.9	17.3
	3H	17.1	17.7	18.1	18.7	20.1	15.7	16.3	16.8	17.4	18.7
	4H	17.7	18.3	18.8	19.3	20.7	16.3	16.8	17.3	17.8	19.2
	6H	18.2	18.7	19.3	19.8	21.1	16.6	17.1	17.7	18.1	19.5
	8H	18.4	18.8	19.4	19.9	21.3	16.7	17.2	17.8	18.2	19.6
	12H	18.5	18.9	19.6	20.0	21.4	16.8	17.2	17.8	18.2	19.6
8H	4H	17.8	18.2	18.8	19.3	20.7	16.5	16.9	17.5	18.0	19.4
	6H	18.3	18.7	19.4	19.8	21.2	16.9	17.3	18.0	18.4	19.8
	8H	18.5	18.9	19.6	19.9	21.4	17.0	17.4	18.1	18.4	19.9
	12H	18.7	19.0	19.8	20.1	21.5	17.1	17.4	18.2	18.5	20.0
12H	4H	17.7	18.1	18.8	19.2	20.6	16.5	16.9	17.5	17.9	19.3
	6H	18.3	18.6	19.4	19.7	21.1	16.9	17.2	18.0	18.3	19.8
	8H	18.5	18.8	19.6	19.9	21.3	17.1	17.4	18.2	18.4	19.9

Maximum UGR = 21.5

POLAR GRAPH



Maximum Candela = 1886 Located At Horizontal Angle = 180, Vertical Angle = 145
1 - Vertical Plane Through Horizontal Angles (180 - 0) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (145) (Through Max. Cd.)