

## Photometric Test Report

**IES INDOOR REPORT**
**PHOTOMETRIC FILENAME : L082210902R01.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L082210902R01  
 [TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)  
 [ISSUEDATE] 8/17/2022  
 [MANUFAC] Bartco Lighting, Inc.  
 [LUMCAT] BSS722-45-35-ND-1-NA-RA-WM-SN-AW (DOWN)  
 [LUMINAIRE] 2-1/4 Tall Mullion Mount LED Luminaire  
 [BALLASTCAT] ADVANCE X1040C110V054BST2  
 [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	2646
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	93
Total Luminaire Watts	28.41
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.24
Spacing Criterion (Diagonal)	1.36
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.17 ft
Luminous Width (90-270)	3.67 ft
Luminous Height	0.00 ft

**LUMINANCE DATA (cd/sq.m)**

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13992	14284	14918
55	13222	13343	14214
65	12643	12113	13418
75	11255	10189	12454
85	4153	6131	14239

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	345.78	N.A.	13.10
0-30	730.65	N.A.	27.60
0-40	1189.56	N.A.	45.00
0-60	2080.08	N.A.	78.60
0-80	2586.92	N.A.	97.80
0-90	2645.65	N.A.	100.00
10-90	2555.9	N.A.	96.60
20-40	843.79	N.A.	31.90
20-50	1313.84	N.A.	49.70
40-70	1209.52	N.A.	45.70
60-80	506.84	N.A.	19.20
70-80	187.83	N.A.	7.10
80-90	58.74	N.A.	2.20
90-110	0.00	N.A.	0.00
90-120	0.00	N.A.	0.00
90-130	0.00	N.A.	0.00
90-150	0.00	N.A.	0.00
90-180	0.00	N.A.	0.00
110-180	0.00	N.A.	0.00
0-180	2645.65	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	89.76
10-20	256.01
20-30	384.87
30-40	458.92
40-50	470.05
50-60	420.46
60-70	319.00
70-80	187.83
80-90	58.74
90-100	0.00
100-110	0.00
110-120	0.00
120-130	0.00
130-140	0.00
140-150	0.00
150-160	0.00
160-170	0.00
170-180	0.00

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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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	100
1	109	104	99	95	106	101	97	94	97	94	91	93	91	88	90	88	86	83	83
2	99	90	83	78	96	88	82	77	85	80	75	82	77	73	79	75	72	69	69
3	90	79	71	65	87	78	70	64	75	68	63	72	66	62	69	65	61	58	58
4	82	70	61	55	80	69	61	54	66	59	54	64	58	53	62	57	52	50	50
5	76	63	54	47	74	62	53	47	60	52	46	58	51	46	56	50	45	43	43
6	70	57	48	41	68	56	47	41	54	46	41	52	45	40	51	45	40	38	38
7	65	51	42	36	63	50	42	36	49	41	36	47	41	36	46	40	35	33	33
8	60	47	38	32	59	46	38	32	45	37	32	44	37	32	42	36	32	30	30
9	56	43	35	29	55	42	34	29	41	34	29	40	34	29	39	33	29	27	27
10	53	40	32	26	52	39	32	26	38	31	26	37	31	26	36	30	26	24	24

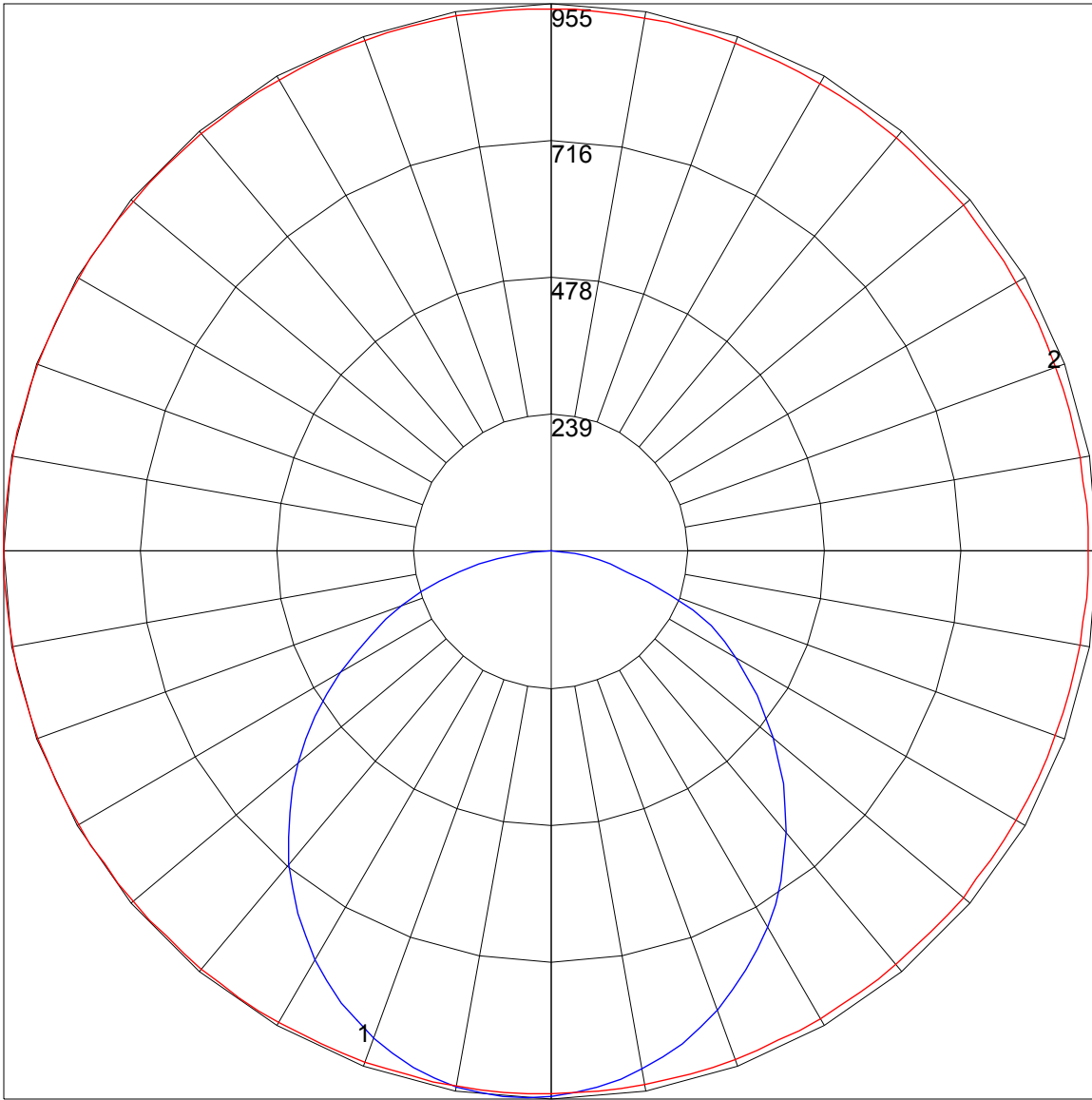
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**UGR TABLE - CORRECTED**

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	20.7	22.4	21.1	22.7	23.0	21.4	23.0	21.7	23.3	23.6
	3H	22.3	23.8	22.7	24.1	24.5	23.3	24.7	23.6	25.1	25.4
	4H	22.8	24.2	23.2	24.6	25.0	24.0	25.4	24.4	25.8	26.1
	6H	23.3	24.6	23.7	24.9	25.3	24.6	25.9	25.0	26.3	26.7
	8H	23.4	24.6	23.8	25.0	25.4	24.8	26.1	25.3	26.5	26.9
	12H	23.5	24.7	23.9	25.1	25.5	25.1	26.3	25.5	26.6	27.1
4H	2H	21.4	22.8	21.8	23.1	23.5	22.0	23.4	22.4	23.7	24.1
	3H	23.1	24.3	23.5	24.7	25.1	24.1	25.3	24.5	25.7	26.1
	4H	23.8	24.8	24.2	25.2	25.7	25.0	26.0	25.4	26.5	26.9
	6H	24.3	25.2	24.8	25.7	26.1	25.7	26.6	26.2	27.1	27.5
	8H	24.5	25.4	25.0	25.8	26.3	26.0	26.9	26.5	27.3	27.8
	12H	24.7	25.4	25.1	25.9	26.4	26.3	27.1	26.8	27.6	28.0
8H	4H	24.1	25.0	24.5	25.4	25.9	25.3	26.2	25.8	26.6	27.1
	6H	24.7	25.4	25.2	25.9	26.4	26.2	26.9	26.7	27.4	27.8
	8H	24.9	25.6	25.5	26.1	26.6	26.5	27.2	27.0	27.7	28.2
	12H	25.2	25.8	25.7	26.3	26.8	26.9	27.5	27.4	28.0	28.6
12H	4H	24.1	24.9	24.6	25.4	25.9	25.3	26.1	25.8	26.6	27.1
	6H	24.8	25.4	25.3	25.9	26.4	26.2	26.9	26.7	27.3	27.9
	8H	25.1	25.6	25.6	26.1	26.7	26.7	27.2	27.2	27.7	28.3

Maximum UGR = 28.6

POLAR GRAPH



Maximum Candela = 955 Located At Horizontal Angle = 175, Vertical Angle = 5  
# 1 - Vertical Plane Through Horizontal Angles (175 - 355) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (5) (Through Max. Cd.)