



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

## Photometric Test Report

### IES INDOOR REPORT

PHOTOMETRIC FILENAME : L072110301R02.IES

### DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002  
[TEST] L072110301R02  
[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)  
[ISSUEDATE] 8/20/2021  
[MANUFAC] Bartco Lighting, Inc.  
[LUMCAT] BSS501-50-35-ND-R-A-NA-NA-SN-AW  
[LUMINAIRE] Tubular series - 1-3/8" O.D. arm mount LED luminaire,  
[MORE] remote driver, asymmetric optic  
[BALLASTCAT] PHILIPS ADVANCE XI040C110V054BST1  
[OTHER] INDICATING THE CANDELA VALUES ARE ABSOLUTE AND  
[MORE] SHOULD NOT BE FACTORED FOR DIFFERENT LAMP RATINGS.  
[INPUT] 120.00VAC  
[TEST PROCEDURE] IESNA:LM-79-08

### CHARACTERISTICS

Lumens Per Lamp	N.A. (absolute)
Total Lamp Lumens	N.A. (absolute)
Luminaire Lumens	2253
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	96
Total Luminaire Watts	23.5
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.06
Spacing Criterion (90-270)	1.18
Spacing Criterion (Diagonal)	1.58
Basic Luminous Shape	Rectangular w/Sides
Luminous Length (0-180)	0.08 ft
Luminous Width (90-270)	4.04 ft
Luminous Height	0.02 ft

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

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	13922	13174	16704
55	10563	12784	15326
65	9460	10328	14171
75	7849	9006	12993
85	8628	10289	10782

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**ZONAL LUMEN SUMMARY**

Zone	Lumens	%Lamp	%Fixt
0-20	243.95	N.A.	10.80
0-30	573.78	N.A.	25.50
0-40	988.81	N.A.	43.90
0-60	1660.6	N.A.	73.70
0-80	2041.75	N.A.	90.60
0-90	2139.01	N.A.	94.90
10-90	2078.84	N.A.	92.30
20-40	744.86	N.A.	33.10
20-50	1117.5	N.A.	49.60
40-70	892.42	N.A.	39.60
60-80	381.15	N.A.	16.90
70-80	160.52	N.A.	7.10
80-90	97.26	N.A.	4.30
90-110	85.26	N.A.	3.80
90-120	101.98	N.A.	4.50
90-130	109.13	N.A.	4.80
90-150	114.01	N.A.	5.10
90-180	114.01	N.A.	5.10
110-180	28.75	N.A.	1.30
0-180	2253.02	N.A.	100.00

Total Luminaire Efficiency = N.A.%

**ZONAL LUMEN SUMMARY**

Zone	Lumens
0-10	60.17
10-20	183.78
20-30	329.83
30-40	415.02
40-50	372.65
50-60	299.15
60-70	220.63
70-80	160.52
80-90	97.26
90-100	53.27
100-110	31.99
110-120	16.72
120-130	7.15
130-140	3.29
140-150	1.60
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	118	118	118	118	115	115	115	115	108	108	108	103	103	103	97	97	97	95
1	107	102	97	93	103	99	95	91	94	90	87	89	86	84	84	82	80	78
2	97	89	82	76	94	86	80	74	82	76	72	78	73	69	74	70	67	65
3	89	78	70	63	86	76	68	62	72	66	60	69	63	59	66	61	57	55
4	81	69	60	53	78	67	59	53	64	57	52	61	55	50	59	53	49	47
5	75	62	53	46	72	60	52	46	58	50	45	55	49	44	53	47	43	40
6	69	56	47	40	67	54	46	40	52	45	39	50	43	38	48	42	38	35
7	64	50	42	35	62	49	41	35	47	40	35	45	39	34	44	38	33	31
8	59	46	37	32	58	45	37	31	43	36	31	42	35	30	40	34	30	28
9	55	42	34	28	54	41	33	28	40	33	28	38	32	27	37	31	27	25
10	52	39	31	26	50	38	30	25	37	30	25	35	29	25	34	29	24	23

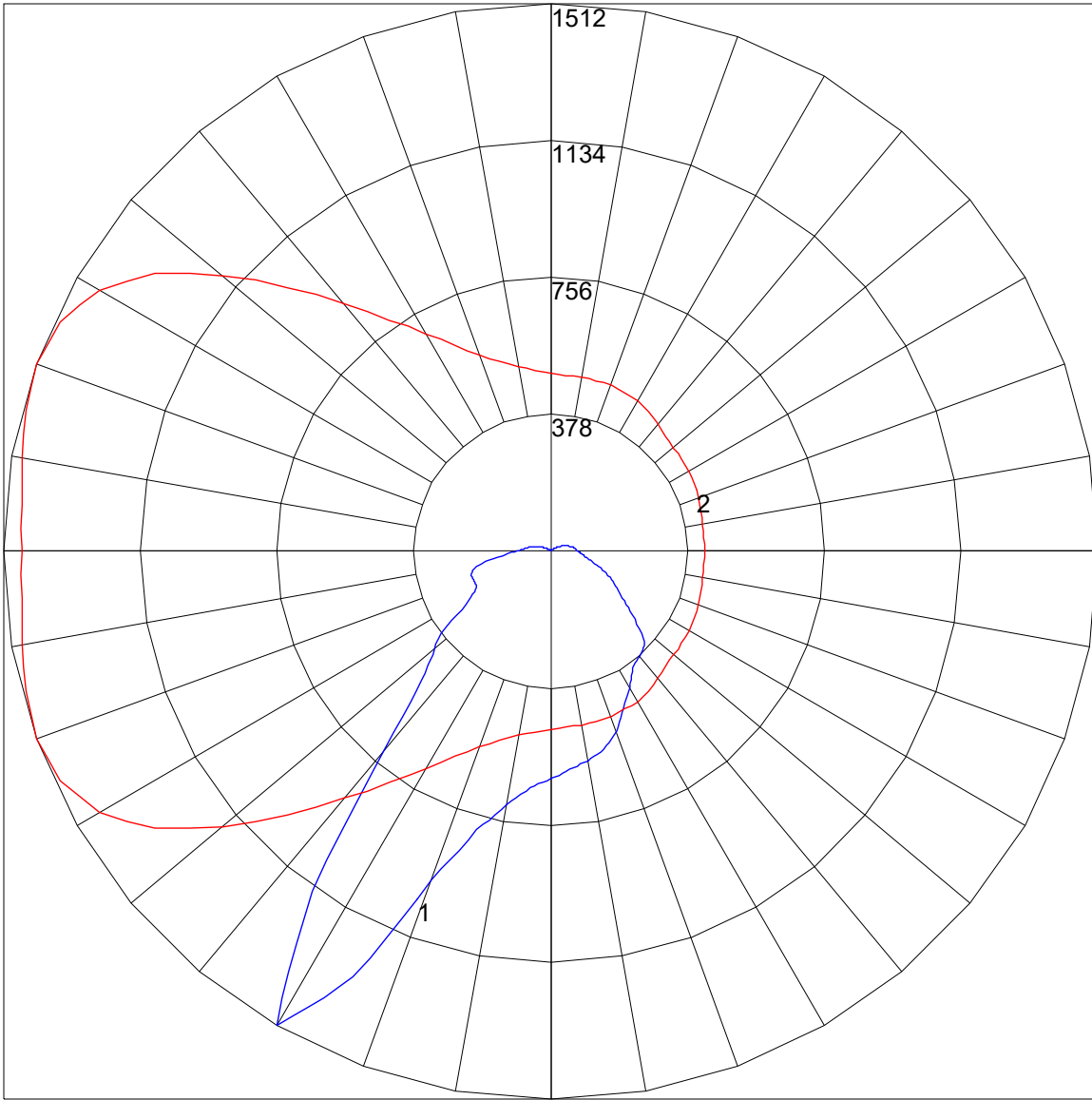
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**UGR TABLE - CORRECTED**

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	19.1	20.7	19.6	21.1	21.5	21.5	23.1	22.0	23.5	23.9
	3H	21.3	22.7	21.7	23.1	23.6	22.7	24.0	23.1	24.5	24.9
	4H	22.2	23.5	22.7	24.0	24.5	23.0	24.3	23.5	24.8	25.3
	6H	23.2	24.4	23.7	24.9	25.4	23.2	24.5	23.7	24.9	25.4
	8H	23.8	24.9	24.3	25.4	26.0	23.3	24.5	23.8	25.0	25.5
	12H	24.5	25.6	25.0	26.1	26.6	23.3	24.4	23.8	24.9	25.5
4H	2H	19.7	21.0	20.2	21.4	21.9	22.0	23.3	22.4	23.7	24.2
	3H	22.1	23.2	22.6	23.7	24.2	23.4	24.5	23.9	25.0	25.5
	4H	23.1	24.2	23.7	24.7	25.2	24.0	25.0	24.5	25.5	26.0
	6H	24.3	25.2	24.9	25.8	26.3	24.4	25.3	24.9	25.8	26.4
	8H	25.0	25.8	25.5	26.4	26.9	24.5	25.3	25.0	25.8	26.4
	12H	25.8	26.6	26.4	27.1	27.7	24.5	25.3	25.1	25.9	26.4
8H	4H	23.5	24.3	24.0	24.8	25.4	24.4	25.3	25.0	25.8	26.4
	6H	24.9	25.5	25.4	26.1	26.7	25.1	25.8	25.6	26.3	26.9
	8H	25.7	26.3	26.2	26.9	27.5	25.3	25.9	25.9	26.5	27.1
	12H	26.6	27.2	27.2	27.8	28.4	25.4	26.0	26.0	26.6	27.2
12H	4H	23.5	24.2	24.0	24.8	25.4	24.6	25.3	25.1	25.9	26.5
	6H	24.9	25.6	25.5	26.1	26.8	25.3	25.9	25.9	26.5	27.1
	8H	25.8	26.4	26.4	27.0	27.6	25.6	26.2	26.2	26.7	27.4

Maximum UGR = 28.4

POLAR GRAPH



Maximum Candela = 1512.354 Located At Horizontal Angle = 160, Vertical Angle = 30  
# 1 - Vertical Plane Through Horizontal Angles (160 - 340) (Through Max. Cd.)  
# 2 - Horizontal Cone Through Vertical Angle (30) (Through Max. Cd.)