

Photometric Test Report

IES INDOOR REPORT
PHOTOMETRIC FILENAME : L092211401.IES
DESCRIPTION INFORMATION (From Photometric File)

IESNA:LM-63-2002
 [TEST] L092211401
 [TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)
 [ISSUEDATE] 9/16/2022
 [MANUFAC] Bartco Lighting, Inc.
 [LUMCAT] BSS430-P-47-35-ND-R-F1-FT-A-SN
 [LUMINAIRE] Wake 3 Aperture Perimeter LED Luminaire
 [BALLASTCAT] Avance 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	2978
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	81
Total Luminaire Watts	36.92
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	1.20
Spacing Criterion (90-270)	1.20
Spacing Criterion (Diagonal)	1.32
Basic Luminous Shape	Rectangular
Luminous Length (0-180)	0.25 ft
Luminous Width (90-270)	3.94 ft
Luminous Height	0.00 ft

LUMINANCE DATA (cd/sq.m)

Angle In Degrees	Average 0-Deg	Average 45-Deg	Average 90-Deg
45	10283	10422	10545
55	9612	9765	9898
65	8964	9093	9222
75	8352	8436	8521
85	8393	8518	8518

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	407.37	N.A.	13.70
0-30	852.00	N.A.	28.60
0-40	1370.62	N.A.	46.00
0-60	2348.2	N.A.	78.90
0-80	2906.78	N.A.	97.60
0-90	2978.06	N.A.	100.00
10-90	2871.68	N.A.	96.40
20-40	963.25	N.A.	32.30
20-50	1483.16	N.A.	49.80
40-70	1325.09	N.A.	44.50
60-80	558.59	N.A.	18.80
70-80	211.08	N.A.	7.10
80-90	71.27	N.A.	2.40
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	2978.06	N.A.	100.00

Total Luminaire Efficiency = N.A.%

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	106.38
10-20	300.99
20-30	444.62
30-40	518.62
40-50	519.92
50-60	457.66
60-70	347.51
70-80	211.08
80-90	71.27
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
1	109	104	99	96	106	101	98	94	97	94	91	93	91	88	90	88	86	83
2	99	91	84	78	96	89	82	77	85	80	75	82	77	73	79	75	72	70
3	90	80	71	65	88	78	70	64	75	69	63	72	67	62	70	65	61	59
4	83	71	62	55	80	69	61	55	67	60	54	64	58	53	62	57	53	50
5	76	63	54	48	74	62	54	47	60	53	47	58	51	46	56	50	46	44
6	70	57	48	42	68	56	48	42	54	47	41	53	46	41	51	45	40	38
7	65	52	43	37	64	51	43	37	49	42	37	48	41	36	47	41	36	34
8	61	47	39	33	59	47	39	33	45	38	33	44	37	33	43	37	32	30
9	57	44	35	30	55	43	35	30	42	35	30	41	34	29	40	34	29	27
10	53	40	32	27	52	40	32	27	39	32	27	38	31	27	37	31	27	25

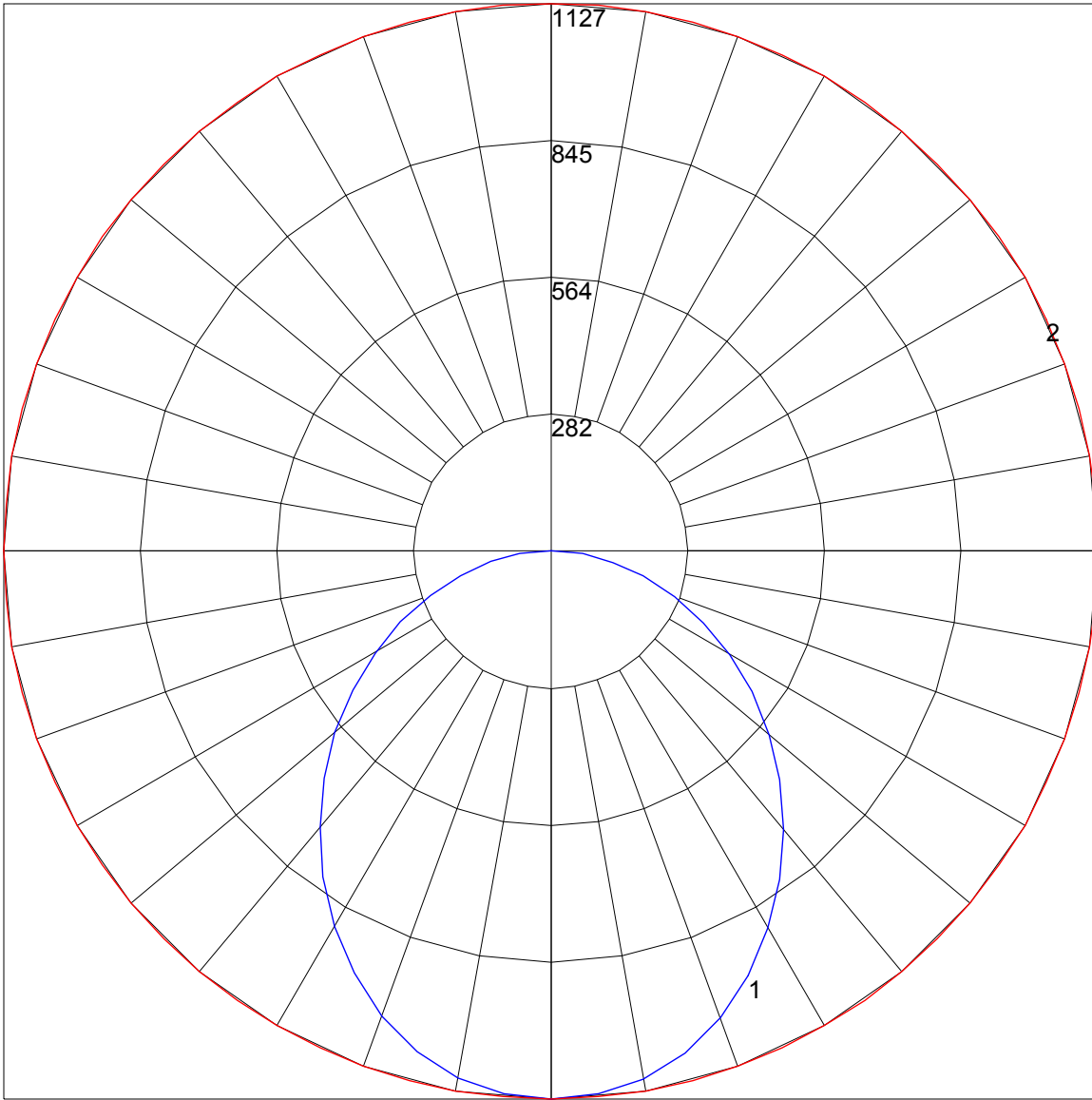
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UGR TABLE - CORRECTED

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	19.8	21.5	20.2	21.8	22.1	20.0	21.6	20.3	21.9	22.2
	3H	21.7	23.1	22.0	23.5	23.8	21.8	23.3	22.2	23.6	24.0
	4H	22.4	23.8	22.8	24.1	24.5	22.6	24.0	23.0	24.3	24.7
	6H	23.0	24.3	23.4	24.7	25.1	23.2	24.5	23.6	24.8	25.2
	8H	23.3	24.5	23.7	24.9	25.3	23.4	24.6	23.8	25.0	25.4
	12H	23.4	24.6	23.9	25.0	25.4	23.6	24.8	24.0	25.1	25.6
4H	2H	20.5	21.9	20.9	22.2	22.6	20.6	22.0	21.0	22.3	22.7
	3H	22.6	23.7	23.0	24.1	24.5	22.7	23.9	23.1	24.2	24.6
	4H	23.4	24.5	23.9	24.9	25.3	23.6	24.6	24.0	25.0	25.5
	6H	24.2	25.1	24.6	25.6	26.0	24.3	25.2	24.8	25.7	26.1
	8H	24.5	25.4	24.9	25.8	26.3	24.6	25.5	25.1	25.9	26.4
	12H	24.7	25.5	25.2	26.0	26.5	24.8	25.6	25.3	26.1	26.6
8H	4H	23.8	24.7	24.3	25.1	25.6	23.9	24.8	24.4	25.2	25.7
	6H	24.7	25.4	25.2	25.9	26.4	24.8	25.5	25.3	26.0	26.5
	8H	25.1	25.7	25.6	26.2	26.7	25.2	25.8	25.7	26.3	26.8
	12H	25.4	26.0	25.9	26.5	27.1	25.5	26.1	26.0	26.6	27.2
12H	4H	23.8	24.6	24.3	25.1	25.6	23.9	24.7	24.4	25.2	25.7
	6H	24.8	25.5	25.3	25.9	26.4	24.9	25.5	25.4	26.0	26.5
	8H	25.2	25.8	25.7	26.3	26.9	25.3	25.9	25.8	26.4	27.0

Maximum UGR = 27.2

POLAR GRAPH



Maximum Candela = 1127 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.)