

Photometric Test Report

IES INDOOR REPORT**PHOTOMETRIC FILENAME : L022310901.IES****DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002

[TEST] L022310901

[TESTLAB] LIGHT LABORATORY, INC. (www.lightlaboratory.com)

[ISSUEDATE] 2/22/2023

[MANUFAC] Bartco Lighting, Inc.

[LUMCAT] BSS430-P-47-35-ND-R-WG-FT-A-SN

[LUMINAIRE] Wake 3 Aperture Perimeter LED Luminaire,
47-3/8 Nom. O.A., 3500Å°K, 120-277V Non-dimming Driver, Reg. Output,
Wall Graze Optic, Flange Trim Mount, Flush Depth, Single Config.

[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	2976
Total Luminaire Efficiency	N.A.
Luminaire Efficacy Rating (LER)	81
Total Luminaire Watts	36.81
Ballast Factor	1.00
CIE Type	Direct
Spacing Criterion (0-180)	0.22
Spacing Criterion (90-270)	0.84
Spacing Criterion (Diagonal)	0.48
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	7643	6794	14668
55	5996	6338	11173
65	3952	4495	8473
75	2868	2911	5273
85	1628	1628	2255

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ZONAL LUMEN SUMMARY

Zone	Lumens	%Lamp	%Fixt
0-20	858.00	N.A.	28.80
0-30	1410.18	N.A.	47.40
0-40	1909.99	N.A.	64.20
0-60	2666.4	N.A.	89.60
0-80	2957.57	N.A.	99.40
0-90	2976.17	N.A.	100.00
10-90	2658.24	N.A.	89.30
20-40	1052.00	N.A.	35.30
20-50	1479.7	N.A.	49.70
40-70	957.50	N.A.	32.20
60-80	291.17	N.A.	9.80
70-80	90.08	N.A.	3.00
80-90	18.60	N.A.	0.60
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	2976.17	N.A.	100.00

Total Luminaire Efficiency = N.A. %

ZONAL LUMEN SUMMARY

Zone	Lumens
0-10	317.93
10-20	540.06
20-30	552.19
30-40	499.81
40-50	427.71
50-60	328.70
60-70	201.09
70-80	90.08
80-90	18.60
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	111	108	104	101	109	105	102	100	101	99	96	97	95	94	94	92	91	89
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	78
3	96	88	81	76	94	86	80	75	84	78	74	81	77	73	79	75	72	70
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	63
5	84	73	66	61	82	72	65	60	70	64	60	69	63	59	67	62	59	57
6	79	68	60	55	77	67	60	55	65	59	54	64	58	54	62	57	54	52
7	74	63	56	50	73	62	55	50	61	54	50	59	54	50	58	53	49	48
8	70	59	51	46	69	58	51	46	57	51	46	56	50	46	55	49	46	44
9	66	55	48	43	65	54	48	43	53	47	43	52	47	43	51	46	43	41
10	63	52	45	40	62	51	45	40	50	44	40	49	44	40	49	44	40	38

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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

X=2H	Y=2H	16.3	17.7	16.7	18.0	18.4	18.4	19.8	18.8	20.1	20.5
	3H	17.3	18.5	17.7	18.9	19.2	20.1	21.3	20.5	21.7	22.0
	4H	17.6	18.8	18.0	19.1	19.5	20.6	21.7	21.0	22.1	22.5
	6H	17.8	18.9	18.2	19.3	19.7	20.8	21.9	21.2	22.3	22.7
	8H	17.9	18.9	18.3	19.3	19.7	20.9	21.9	21.3	22.3	22.7
	12H	17.9	18.9	18.3	19.2	19.7	20.9	21.8	21.3	22.2	22.7

UGR Viewed Endwise

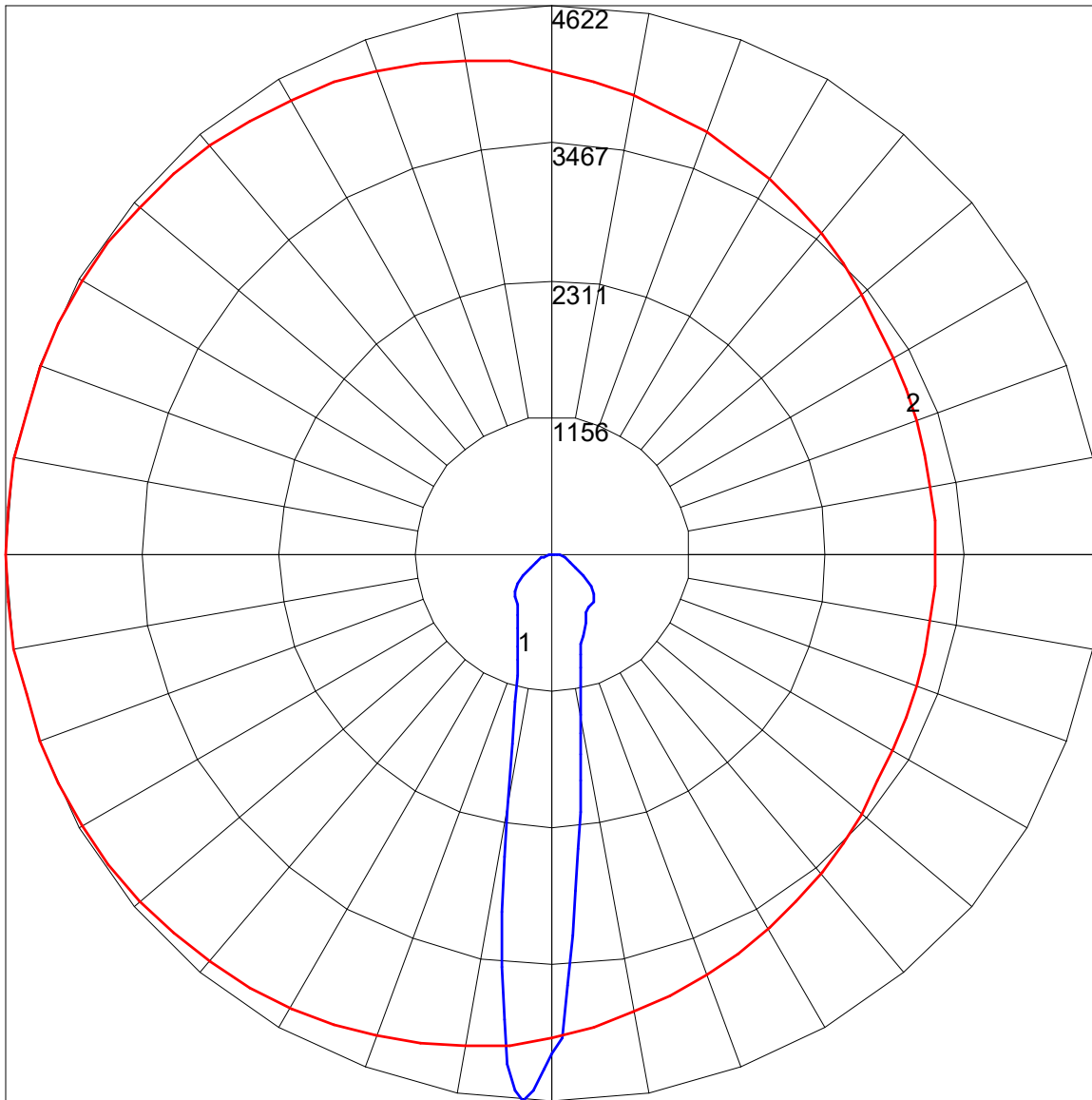
4H	2H	16.8	17.9	17.2	18.3	18.6	18.6	19.8	19.0	20.1	20.5
	3H	17.9	18.8	18.3	19.2	19.6	20.4	21.3	20.8	21.7	22.1
	4H	18.3	19.2	18.7	19.6	20.0	20.9	21.8	21.3	22.2	22.6
	6H	18.6	19.3	19.1	19.8	20.2	21.2	22.0	21.7	22.4	22.9
	8H	18.6	19.3	19.1	19.8	20.3	21.3	22.0	21.8	22.4	22.9
	12H	18.7	19.3	19.2	19.8	20.3	21.3	22.0	21.8	22.4	22.9

8H	4H	18.4	19.2	18.9	19.6	20.1	20.9	21.6	21.4	22.0	22.5
	6H	18.8	19.4	19.3	19.9	20.4	21.3	21.8	21.8	22.3	22.8
	8H	18.9	19.4	19.4	19.9	20.4	21.4	21.9	21.9	22.4	22.9
	12H	19.0	19.4	19.5	19.9	20.5	21.4	21.9	22.0	22.4	23.0

12H	4H	18.5	19.1	18.9	19.6	20.0	20.9	21.5	21.4	22.0	22.5
	6H	18.8	19.3	19.4	19.8	20.3	21.3	21.8	21.8	22.2	22.8
	8H	19.0	19.4	19.5	19.9	20.5	21.4	21.8	21.9	22.3	22.9

Maximum UGR = 23.0

POLAR GRAPH



Maximum Candela = 4622 Located At Horizontal Angle = 180, Vertical Angle = 3
1 - Vertical Plane Through Horizontal Angles (180 - 0) (Through Max. Cd.)
2 - Horizontal Cone Through Vertical Angle (3) (Through Max. Cd.)