

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: HALO

Report Number: P641890

Luminaire Tested: ML5612LSVWFL97FS1E - 694TBZB - 900LM - 5000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641890
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-114)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSVWFL97FS1E - 694TBZB - 900LM - 5000K
Description: ML56 RR, MILKY OPTIC, 6" TUSCON BRONZE GIMBAL TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1312.8 lumens
Efficiency: N/A
Efficacy: 98.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.27
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

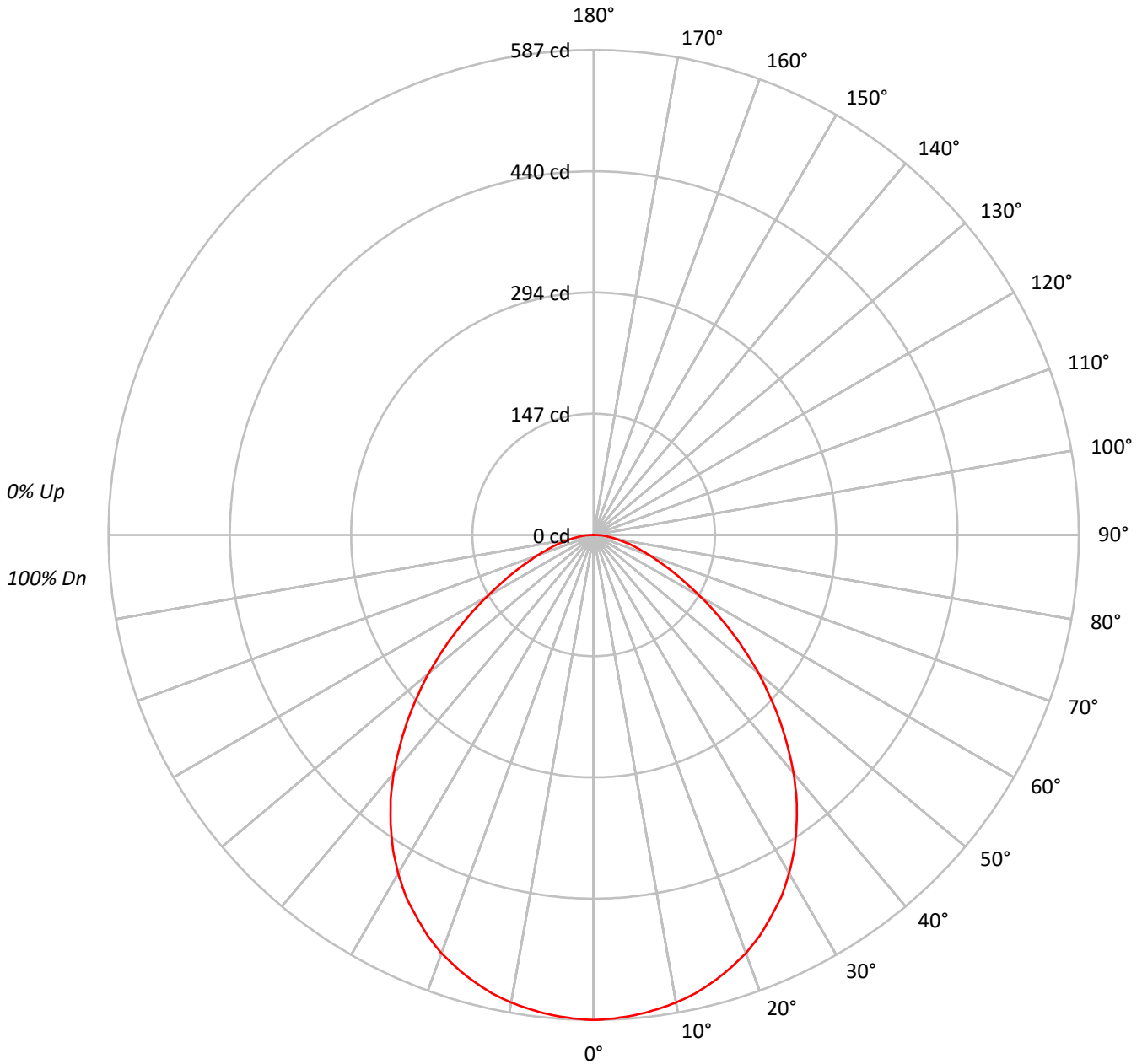
Input Watts (W): 13.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					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	50	30	10	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			100	
1	110	106	102	99	107	104	100	97	100	97	94	96	93	91	92	90	89	87			87	
2	101	94	88	83	99	92	87	82	89	84	80	85	82	78	82	79	76	74			74	
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64			64	
4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56			56	
5	80	68	59	53	78	67	59	53	64	58	52	63	57	52	61	56	51	49			49	
6	74	61	53	47	72	60	53	47	59	52	46	57	51	46	56	50	46	44			44	
7	69	56	48	42	67	55	47	42	54	47	41	52	46	41	51	45	41	39			39	
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35			35	
9	60	47	39	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32			32	
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29			29	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	32185
5°	32099
10°	31991
15°	31771
20°	31427
25°	30782
30°	29935
35°	28656
40°	26915
45°	24731
50°	22225
55°	19335
60°	16325
65°	13685
70°	11540
75°	9997
80°	8619
85°	8617

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 24731 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.4	4.2
10°-20°	157.8	12.0
20°-30°	234.3	17.8
30°-40°	267.0	20.3
40°-50°	245.4	18.7
50°-60°	181.4	13.8
60°-70°	105.8	8.1
70°-80°	50.4	3.8
80°-90°	15.2	1.2
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	447.5	34.1
0°-40°	714.6	54.4
0°-60°	1141.4	86.9
0°-90°	1312.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1312.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	587	
5°	583	55
15°	560	158
25°	509	234
35°	428	267
45°	319	245
55°	202	181
65°	106	106
75°	47	50
85°	14	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	587.1
2.5°	585.8
5°	583.3
7.5°	579.6
10°	574.7
12.5°	568.4
15°	559.8
17.5°	549.8
20°	538.7
22.5°	525.0
25°	508.9
27.5°	492.7
30°	472.9
32.5°	451.8
35°	428.2
37.5°	403.4
40°	376.1
42.5°	347.5
45°	319.0
47.5°	289.2
50°	260.6
52.5°	230.9
55°	202.3
57.5°	175.0
60°	148.9
62.5°	125.4
65°	105.5
67.5°	86.9
70°	72.0
72.5°	58.3
75°	47.2
77.5°	36.0
80°	27.3
82.5°	19.9
85°	13.7
87.5°	8.7
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)