

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: P641831

Luminaire Tested: ML5612LSVWFL97FS1E - 693SNB - 1200LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-111)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSVWFL97FS1E - 693SNB - 1200LM - 2700K
Description: ML56 RR, MILKY OPTIC, 6" SATIN NICKLE BAFFLE TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1195.5 lumens
Efficiency: N/A
Efficacy: 72.5 lumens/watt
Spacing Criteria (0/90/45): 1.13 / 1.13 / 1.18
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

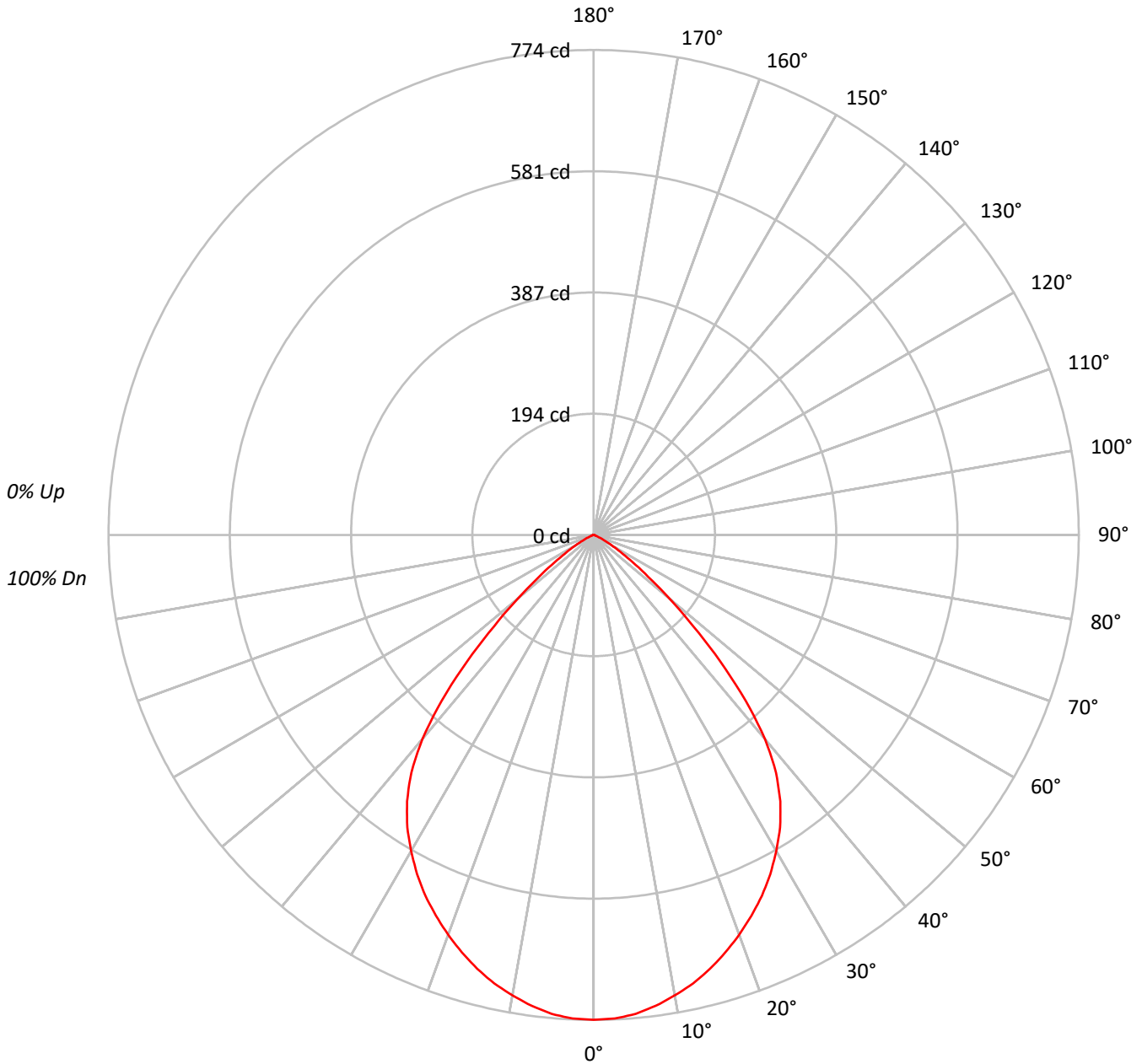
Input Watts (W): 16.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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			
1	112	109	106	104	110	107	104	102	103	101	99	99	98	96	96	94	93	91			
2	105	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82			
3	99	91	85	80	97	90	84	80	87	82	78	84	80	77	82	79	76	74			
4	92	83	77	72	90	82	76	71	80	75	70	78	73	69	76	72	69	67			
5	86	76	69	64	85	75	69	64	73	68	63	72	67	63	70	66	62	60			
6	81	70	63	58	79	69	63	58	68	62	57	66	61	57	65	60	57	55			
7	76	65	58	53	74	64	57	53	63	57	52	61	56	52	60	55	52	50			
8	71	60	53	48	70	59	53	48	58	52	48	57	52	47	56	51	47	46			
9	67	56	49	44	66	55	49	44	54	48	44	53	48	44	52	47	43	42			
10	63	52	45	41	62	51	45	40	50	44	40	50	44	40	49	44	40	39			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	42425
5°	42224
10°	41538
15°	40704
20°	39606
25°	38428
30°	36866
35°	34733
40°	30436
45°	22119
50°	13287
55°	7197
60°	3618
65°	1544
70°	417
75°	275
80°	410
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 22119 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.6	6.1
10°-20°	201.8	16.9
20°-30°	291.9	24.4
30°-40°	320.7	26.8
40°-50°	219.8	18.4
50°-60°	72.9	6.1
60°-70°	13.4	1.1
70°-80°	1.9	0.2
80°-90°	0.5	0.0
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°	566.3	47.4
0°-40°	887.0	74.2
0°-60°	1179.7	98.7
0°-90°	1195.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1195.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	774	
5°	767	73
15°	717	202
25°	635	292
35°	519	321
45°	285	220
55°	75	73
65°	12	13
75°	1	2
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	773.9
2.5°	772.6
5°	767.3
7.5°	758.1
10°	746.2
12.5°	733.0
15°	717.2
17.5°	698.7
20°	678.9
22.5°	657.7
25°	635.3
27.5°	610.2
30°	582.4
32.5°	553.4
35°	519.0
37.5°	478.1
40°	425.3
42.5°	359.2
45°	285.3
47.5°	215.3
50°	155.8
52.5°	109.6
55°	75.3
57.5°	50.2
60°	33.0
62.5°	19.8
65°	11.9
67.5°	5.3
70°	2.6
72.5°	2.6
75°	1.3
77.5°	1.3
80°	1.3
82.5°	1.3
85°	0.0
87.5°	0.0
90°	0.0

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

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)