

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: P641909

Luminaire Tested: ML5612LSVWFL97FS1E - 696WB - 1200LM - 4000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641909
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-115)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSVWFL97FS1E - 696WB - 1200LM - 4000K
Description: ML56 RR, MILKY OPTIC, 6" SHALLOW WHITE BAFFLE TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1560.0 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.28
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

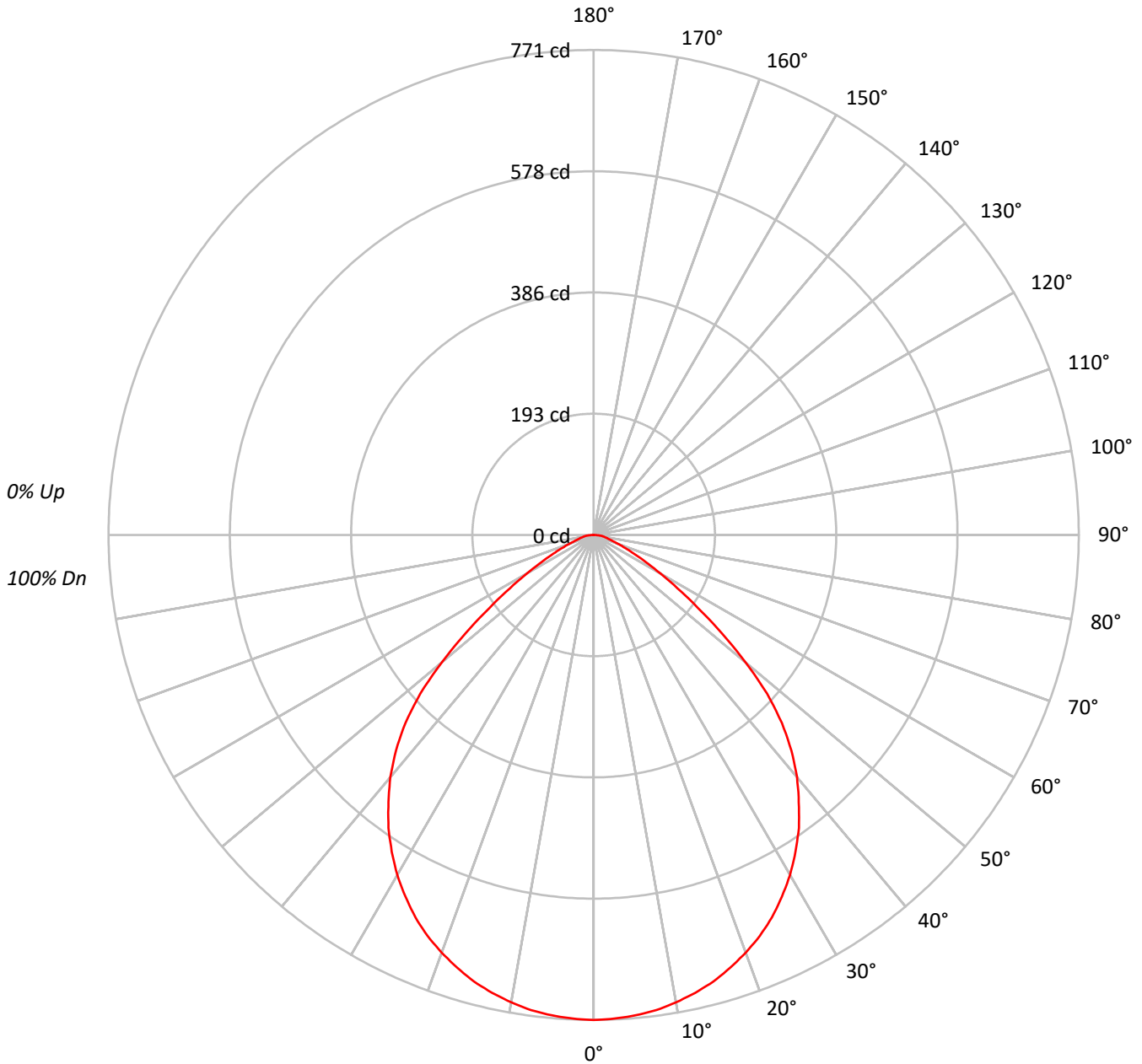
Input Watts (W): 16.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89			
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78			
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68			
4	88	78	71	65	86	77	70	64	75	68	64	72	67	63	70	66	62	60			
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53			
6	76	64	57	51	75	64	56	51	62	55	50	60	54	50	59	54	49	48			
7	71	59	51	46	69	58	51	45	57	50	45	55	49	45	54	49	45	43			
8	66	54	46	41	65	54	46	41	52	46	41	51	45	41	50	44	40	39			
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35			
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	42277
5°	42191
10°	42011
15°	41720
20°	41222
25°	40563
30°	39506
35°	38052
40°	35967
45°	32802
50°	26873
55°	19354
60°	13321
65°	9145
70°	6491
75°	5083
80°	5209
85°	5661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 32802 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.8	4.7
10°-20°	207.2	13.3
20°-30°	308.3	19.8
30°-40°	354.2	22.7
40°-50°	321.5	20.6
50°-60°	185.6	11.9
60°-70°	73.6	4.7
70°-80°	27.7	1.8
80°-90°	9.2	0.6
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°	588.3	37.7
0°-40°	942.5	60.4
0°-60°	1449.5	92.9
0°-90°	1560.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1560.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	771	
5°	767	73
15°	735	207
25°	671	308
35°	569	354
45°	423	321
55°	202	186
65°	70	74
75°	24	28
85°	9	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	771.2
2.5°	769.7
5°	766.7
7.5°	762.2
10°	754.7
12.5°	745.6
15°	735.1
17.5°	721.6
20°	706.6
22.5°	690.1
25°	670.6
27.5°	648.1
30°	624.1
32.5°	597.1
35°	568.6
37.5°	535.6
40°	502.6
42.5°	465.1
45°	423.1
47.5°	373.6
50°	315.1
52.5°	256.6
55°	202.5
57.5°	157.5
60°	121.5
62.5°	93.0
65°	70.5
67.5°	54.0
70°	40.5
72.5°	31.5
75°	24.0
77.5°	21.0
80°	16.5
82.5°	13.5
85°	9.0
87.5°	3.0
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)