

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: P641913

Luminaire Tested: ML5612LSVWFL97FS1E - 696WB - 600LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641913
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 - 600LM - 3500K
Description: ML56 RR, MILKY OPTIC, 6" SHALLOW WHITE BAFFLE TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 933.6 lumens
Efficiency: N/A
Efficacy: 90.6 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

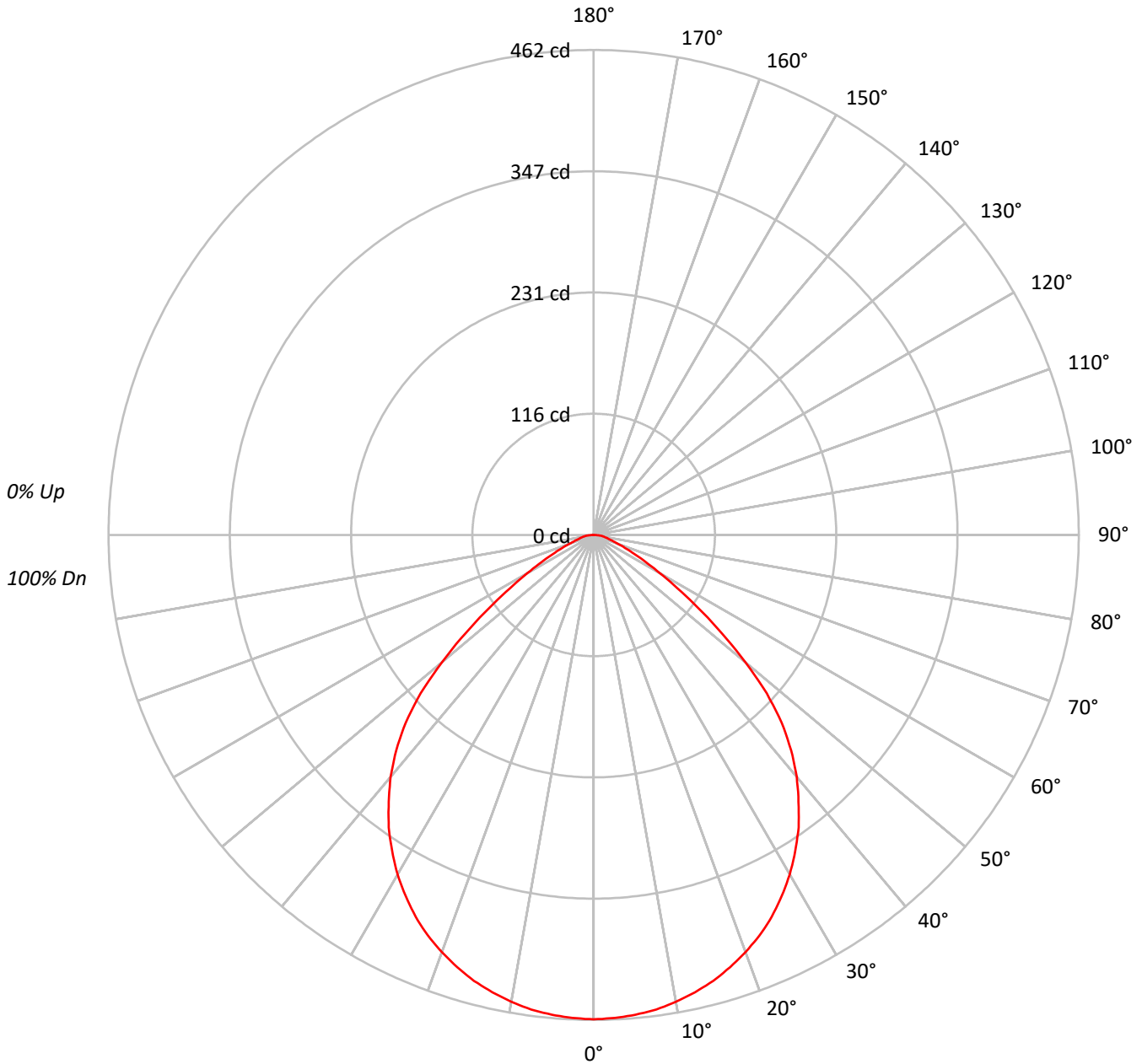
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	25300
5°	25248
10°	25139
15°	24966
20°	24671
25°	24274
30°	23643
35°	22774
40°	21526
45°	19630
50°	16076
55°	11584
60°	7971
65°	5474
70°	3879
75°	3050
80°	3125
85°	3397

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19630 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.6	4.7
10°-20°	124.0	13.3
20°-30°	184.5	19.8
30°-40°	211.9	22.7
40°-50°	192.4	20.6
50°-60°	111.1	11.9
60°-70°	44.0	4.7
70°-80°	16.6	1.8
80°-90°	5.5	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°	352.1	37.7
0°-40°	564.0	60.4
0°-60°	867.5	92.9
0°-90°	933.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	933.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	462	
5°	459	44
15°	440	124
25°	401	185
35°	340	212
45°	253	192
55°	121	111
65°	42	44
75°	14	17
85°	5	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	461.5
2.5°	460.6
5°	458.8
7.5°	456.1
10°	451.6
12.5°	446.2
15°	439.9
17.5°	431.8
20°	422.9
22.5°	413.0
25°	401.3
27.5°	387.9
30°	373.5
32.5°	357.3
35°	340.3
37.5°	320.5
40°	300.8
42.5°	278.3
45°	253.2
47.5°	223.6
50°	188.5
52.5°	153.5
55°	121.2
57.5°	94.3
60°	72.7
62.5°	55.7
65°	42.2
67.5°	32.3
70°	24.2
72.5°	18.9
75°	14.4
77.5°	12.6
80°	9.9
82.5°	8.1
85°	5.4
87.5°	1.8
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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