

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: P641624

Luminaire Tested: ML5612LSVWFL97FS1E - 592W - 1200LM - 4000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641624
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-96)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSVWFL97FS1E - 592W - 1200LM - 4000K
Description: ML56 RR, MILKY OPTIC, 5" WHITE TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1463.8 lumens
Efficiency: N/A
Efficacy: 88.7 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.14
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

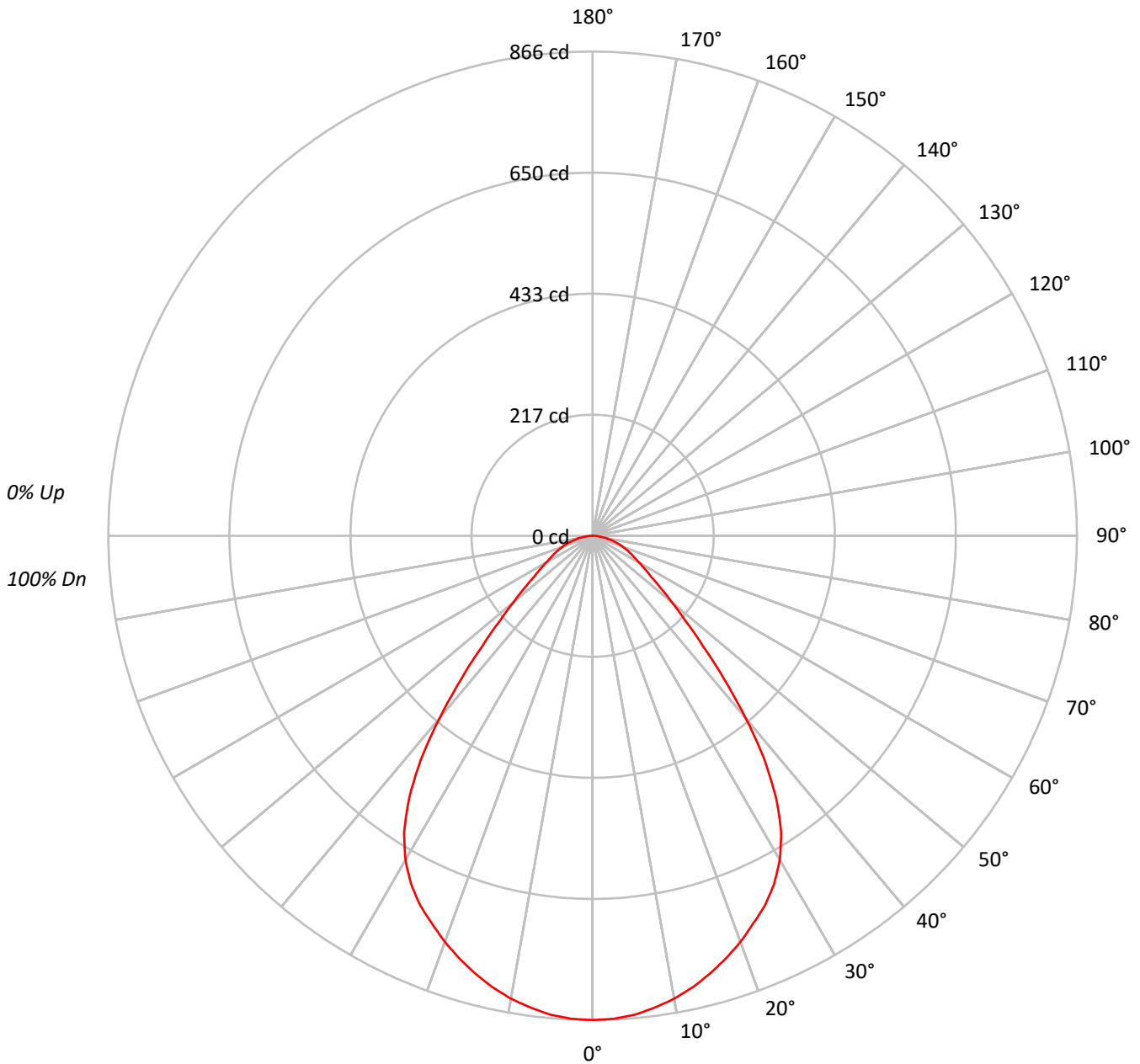
Input Watts (W): 16.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89			
2	103	97	91	87	101	95	90	86	92	88	84	89	85	82	86	83	80	78			
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70			
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	68	64	62			
5	84	73	65	60	82	72	65	59	70	64	59	68	62	58	66	61	58	56			
6	78	67	59	54	76	66	59	53	64	58	53	63	57	53	61	56	52	50			
7	73	61	54	49	72	61	54	48	59	53	48	58	52	48	57	52	48	46			
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	44	42			
9	65	53	46	41	63	52	45	41	51	45	40	50	44	40	49	44	40	38			
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	47480
5°	47331
10°	46793
15°	46005
20°	45096
25°	44126
30°	42380
35°	38273
40°	30507
45°	21646
50°	15744
55°	12196
60°	10536
65°	9742
70°	9136
75°	8578
80°	7577
85°	5661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21646 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.4	5.6
10°-20°	228.4	15.6
20°-30°	334.7	22.9
30°-40°	350.6	24.0
40°-50°	221.6	15.1
50°-60°	118.6	8.1
60°-70°	74.6	5.1
70°-80°	42.7	2.9
80°-90°	11.0	0.8
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°	644.5	44.0
0°-40°	995.1	68.0
0°-60°	1335.4	91.2
0°-90°	1463.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1463.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	866	
5°	860	81
15°	811	228
25°	730	335
35°	572	351
45°	279	222
55°	128	119
65°	75	75
75°	40	43
85°	9	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	866.1
2.5°	864.6
5°	860.1
7.5°	851.1
10°	840.6
12.5°	827.1
15°	810.6
17.5°	792.6
20°	773.0
22.5°	750.5
25°	729.5
27.5°	702.5
30°	669.5
32.5°	627.4
35°	571.9
37.5°	504.4
40°	426.3
42.5°	348.2
45°	279.2
47.5°	225.2
50°	184.6
52.5°	153.1
55°	127.6
57.5°	111.1
60°	96.1
62.5°	84.1
65°	75.1
67.5°	66.0
70°	57.0
72.5°	49.5
75°	40.5
77.5°	31.5
80°	24.0
82.5°	16.5
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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