

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: P641737

Luminaire Tested: ML5612LSVWFL97FS1E - 594WB - 900LM - 3000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641737
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-101)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSVWFL97FS1E - 594WB - 900LM - 3000K
Description: ML56 RR, MILKY OPTIC, 5" WHITE GIMBAL TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1231.0 lumens
Efficiency: N/A
Efficacy: 92.6 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.28
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

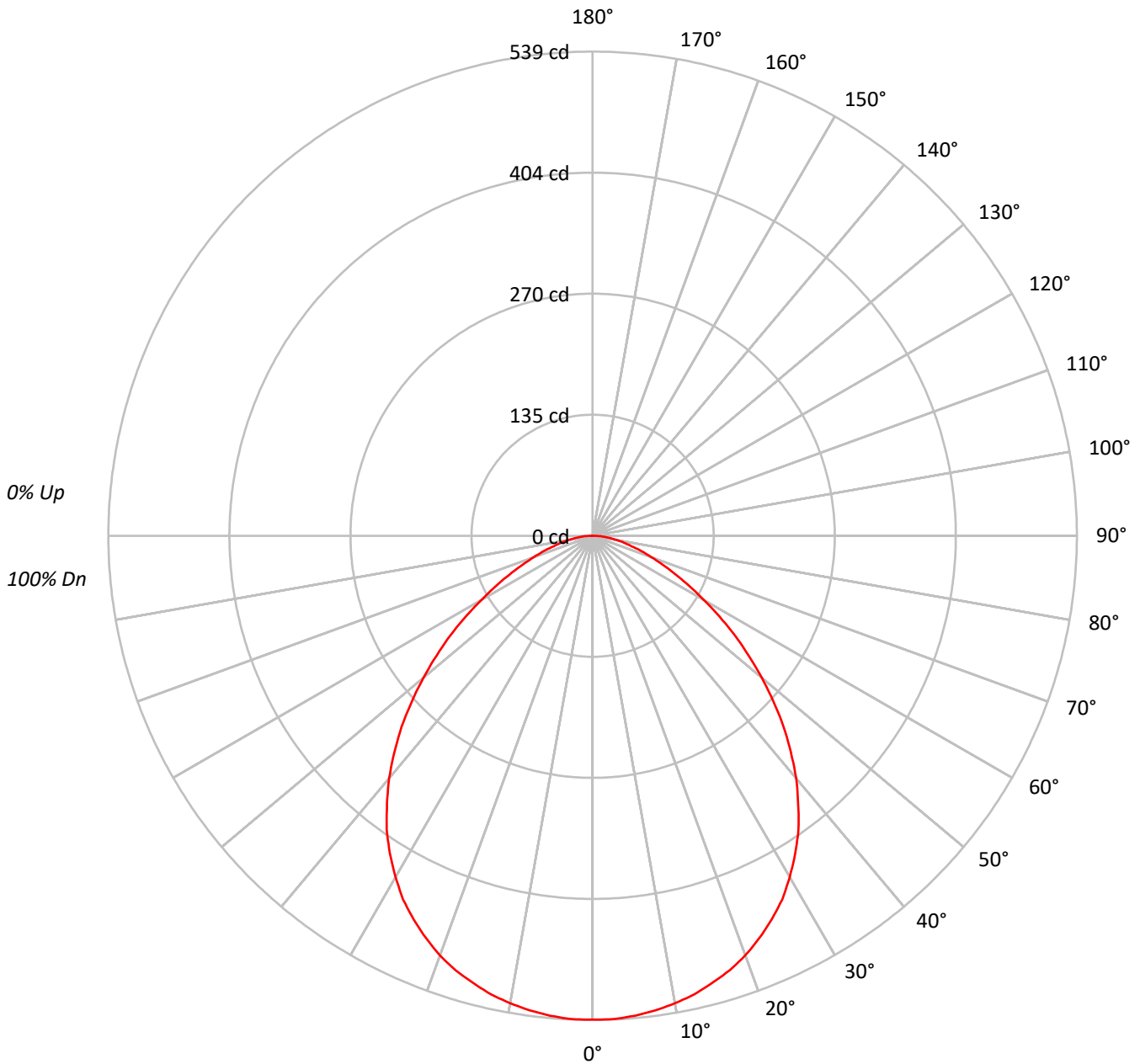
Input Watts (W): 13.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	99	97	94	96	93	91	92	90	88	86			86
2	101	94	88	82	99	92	86	82	88	84	80	85	81	78	82	79	76	74			74
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	70	66	64			64
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56			56
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	60	55	51	49			49
6	74	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43			43
7	68	56	47	42	67	55	47	41	53	46	41	52	46	41	51	45	41	39			39
8	64	51	43	37	62	50	43	37	49	42	37	48	41	37	47	41	37	35			35
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31			31
10	56	43	36	31	55	43	36	31	42	35	31	41	35	31	40	34	30	29			29

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	42518
5°	42506
10°	42364
15°	42097
20°	41760
25°	41051
30°	39989
35°	38499
40°	36305
45°	33570
50°	30174
55°	26562
60°	22498
65°	19071
70°	16064
75°	13695
80°	12229
85°	11141

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 33570 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.9	4.1
10°-20°	145.4	11.8
20°-30°	216.8	17.6
30°-40°	248.7	20.2
40°-50°	231.0	18.8
50°-60°	172.5	14.0
60°-70°	102.2	8.3
70°-80°	49.1	4.0
80°-90°	14.4	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°	413.2	33.6
0°-40°	661.9	53.8
0°-60°	1065.4	86.5
0°-90°	1231.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1231.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	539	
5°	536	51
15°	515	145
25°	471	217
35°	400	249
45°	301	231
55°	193	173
65°	102	102
75°	45	49
85°	12	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	538.6
2.5°	538.6
5°	536.4
7.5°	533.0
10°	528.5
12.5°	522.9
15°	515.1
17.5°	507.2
20°	497.1
22.5°	484.8
25°	471.3
27.5°	456.7
30°	438.7
32.5°	419.7
35°	399.5
37.5°	375.9
40°	352.3
42.5°	326.5
45°	300.7
47.5°	272.7
50°	245.7
52.5°	218.8
55°	193.0
57.5°	167.2
60°	142.5
62.5°	121.2
65°	102.1
67.5°	84.2
70°	69.6
72.5°	57.2
75°	44.9
77.5°	35.9
80°	26.9
82.5°	19.1
85°	12.3
87.5°	7.9
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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