

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: P641782

Luminaire Tested: ML5612LSVWFL97FS1E - 692H - 900LM - 3000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641782
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-107)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSVWFL97FS1E - 692H - 900LM - 3000K
Description: ML56 RR, MILKY OPTIC, 6" HAZE TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

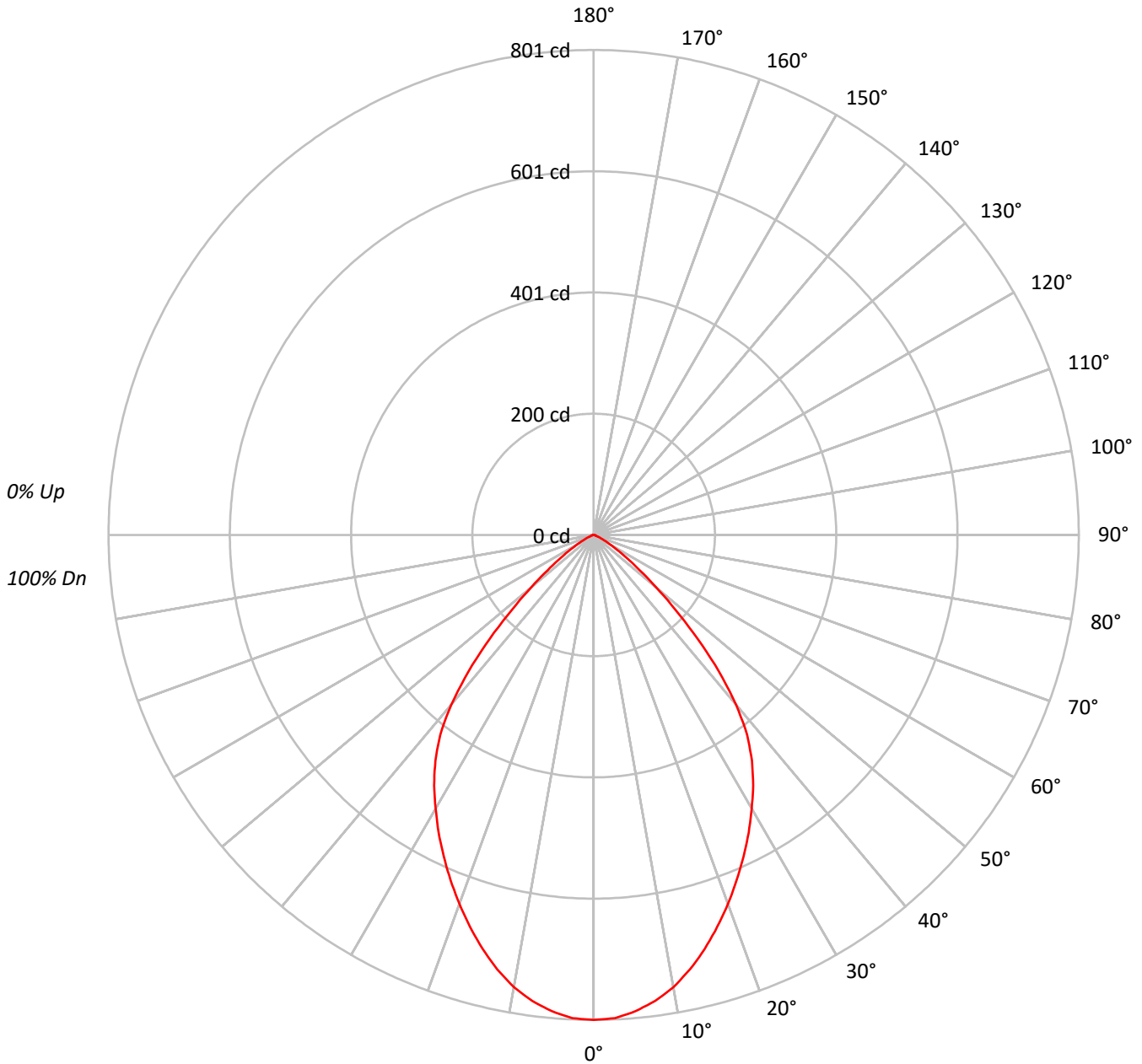
Lumens per Lamp: N/A
Luminaire Lumens: 1094.1 lumens
Efficiency: N/A
Efficacy: 82.3 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.1
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	43916
5°	43468
10°	42223
15°	40182
20°	37832
25°	35427
30°	33024
35°	30483
40°	26178
45°	18793
50°	11386
55°	6432
60°	3443
65°	1596
70°	898
75°	720
80°	347
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18793 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	6.8
10°-20°	198.6	18.2
20°-30°	269.3	24.6
30°-40°	281.7	25.8
40°-50°	187.5	17.1
50°-60°	64.4	5.9
60°-70°	14.5	1.3
70°-80°	3.3	0.3
80°-90°	0.4	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°	542.3	49.6
0°-40°	824.1	75.3
0°-60°	1076.0	98.3
0°-90°	1094.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1094.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	801	
5°	790	74
15°	708	199
25°	586	269
35°	456	282
45°	242	187
55°	67	64
65°	12	14
75°	3	3
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	801.1
2.5°	798.9
5°	789.9
7.5°	776.4
10°	758.5
12.5°	734.9
15°	708.0
17.5°	678.8
20°	648.5
22.5°	617.1
25°	585.7
27.5°	554.3
30°	521.7
32.5°	490.3
35°	455.5
37.5°	416.3
40°	365.8
42.5°	306.3
45°	242.4
47.5°	182.9
50°	133.5
52.5°	95.4
55°	67.3
57.5°	46.0
60°	31.4
62.5°	20.2
65°	12.3
67.5°	7.9
70°	5.6
72.5°	3.4
75°	3.4
77.5°	2.2
80°	1.1
82.5°	1.1
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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