

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: P641788

Luminaire Tested: ML5612LSVWFL97FS1E - 692SC - 1200LM - 3500K

Issue Date: 2/17/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641788  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-106)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: ML5612LSVWFL97FS1E - 692SC - 1200LM - 3500K  
Description: ML56 RR, MILKY OPTIC, 6" SPECULAR CLEAR TRIM  
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 1445.7 lumens  
Efficiency: N/A  
Efficacy: 87.6 lumens/watt  
Spacing Criteria (0/90/45): 0.54 / 0.54 / 0.69  
Luminous Opening: Circular (Dia: 0.5' x H: 0')  
CIE Type: Direct

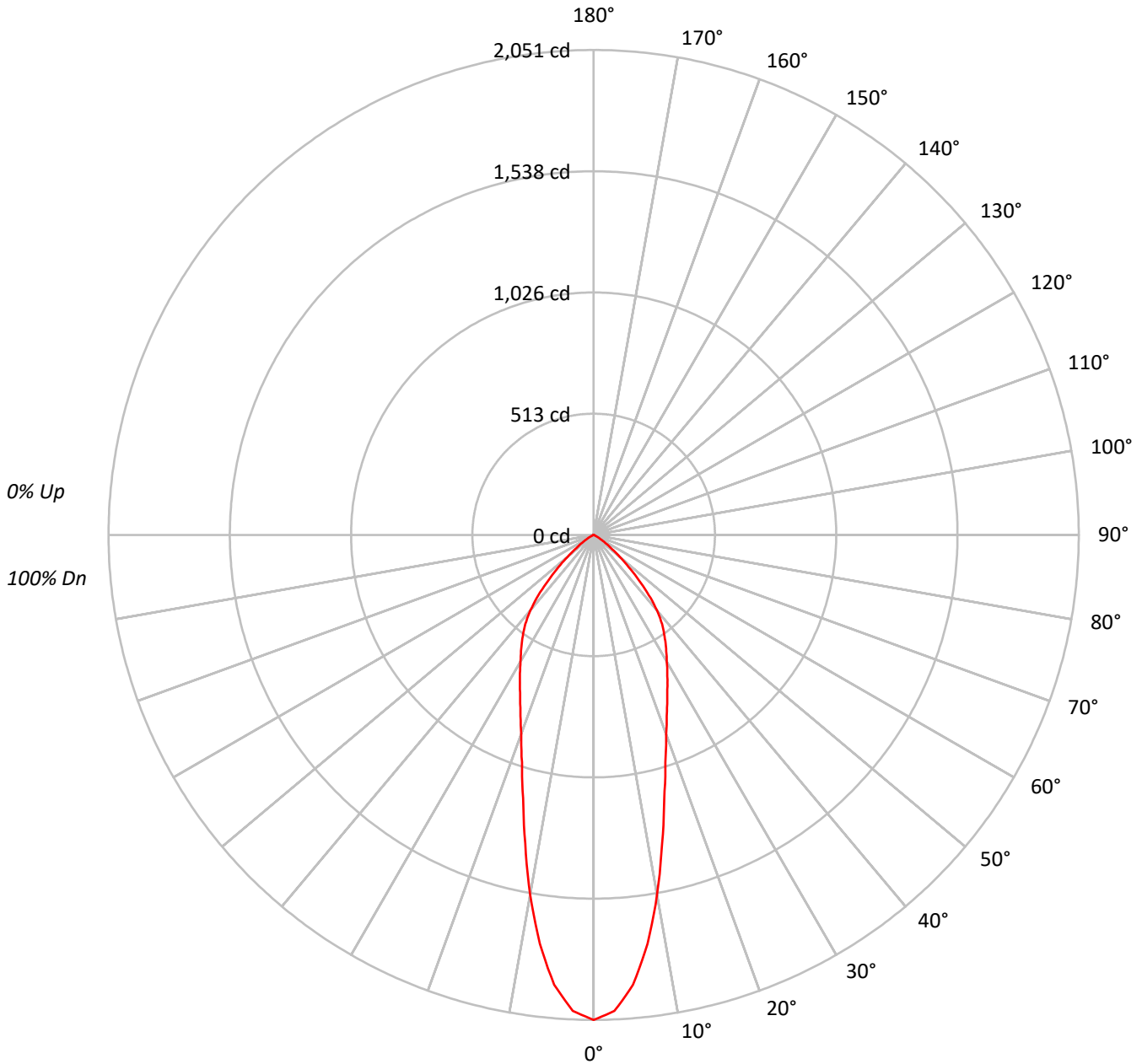
Input Watts (W): 16.5  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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	100	100	100
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93	93	93	93
2	107	102	97	93	105	100	96	92	97	93	90	93	91	88	91	89	87	85	85	85	85
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78	78	78	78
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71	71	71	71
5	90	81	74	70	88	80	74	69	78	73	69	76	72	68	74	71	67	66	66	66	66
6	85	75	69	64	83	74	68	64	73	67	63	71	66	63	70	66	62	61	61	61	61
7	80	70	64	59	79	69	63	59	68	63	59	67	62	58	66	61	58	56	56	56	56
8	76	66	59	55	75	65	59	55	64	58	54	63	58	54	62	57	54	52	52	52	52
9	72	62	55	51	71	61	55	51	60	55	51	59	54	51	58	54	50	49	49	49	49
10	68	58	52	48	67	58	52	48	57	51	48	56	51	47	55	51	47	46	46	46	46

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	112458
5°	105123
10°	85976
15°	65386
20°	52219
25°	44513
30°	39158
35°	34954
40°	29777
45°	21002
50°	12264
55°	6404
60°	2905
65°	908
70°	224
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 21002 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	170.5	11.8
10°-20°	324.8	22.5
20°-30°	340.6	23.6
30°-40°	324.9	22.5
40°-50°	209.7	14.5
50°-60°	65.1	4.5
60°-70°	9.6	0.7
70°-80°	0.5	0.0
80°-90°	0.0	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°	835.9	57.8
0°-40°	1160.8	80.3
0°-60°	1435.6	99.3
0°-90°	1445.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1445.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	2051	
5°	1910	170
15°	1152	325
25°	736	341
35°	522	325
45°	271	210
55°	67	65
65°	7	10
75°	0	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	2051.4
2.5°	2015.1
5°	1910.3
7.5°	1744.1
10°	1544.5
12.5°	1336.4
15°	1152.1
17.5°	1008.2
20°	895.1
22.5°	808.5
25°	735.9
27.5°	674.5
30°	618.6
32.5°	569.7
35°	522.3
37.5°	474.8
40°	416.1
42.5°	346.3
45°	270.9
47.5°	201.1
50°	143.8
52.5°	99.1
55°	67.0
57.5°	43.3
60°	26.5
62.5°	15.4
65°	7.0
67.5°	2.8
70°	1.4
72.5°	1.4
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
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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(END OF REPORT)