

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: P642122

Luminaire Tested: ML5612LSWFL5597FS1E - 692H - 600LM - 3000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P642122
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-61)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSWFL5597FS1E - 692H - 600LM - 3000K
Description: ML56 RR, 55D TIR OPTIC, 6" HAZE TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

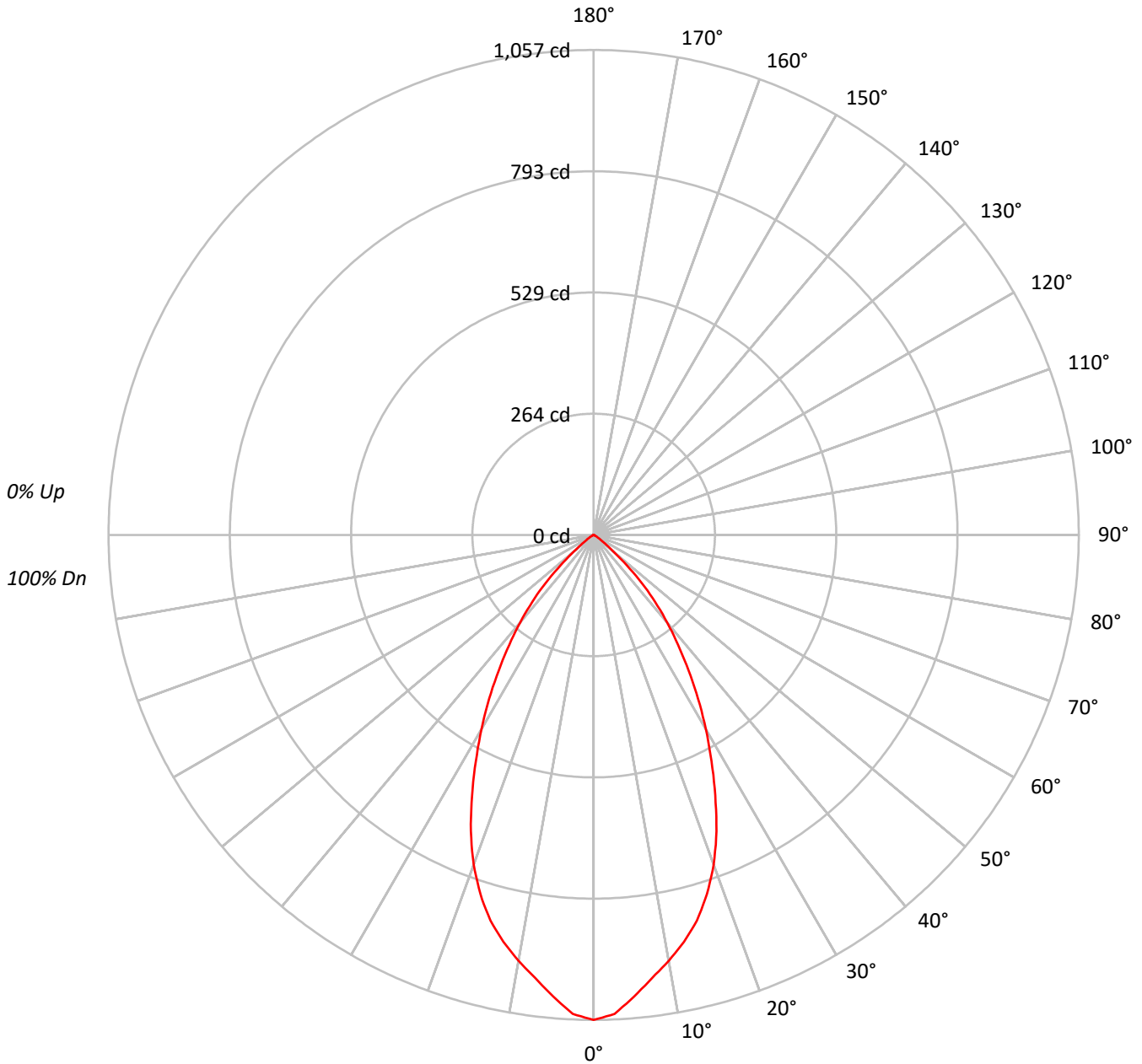
Lumens per Lamp: N/A
Luminaire Lumens: 985.8 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.89
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
RC	80									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	113	110	108	105	111	108	106	104	104	102	101	100	99	98	97	96	95	93																			
2	107	102	98	94	105	100	97	93	97	94	91	94	92	89	91	89	87	86																			
3	101	95	89	85	99	93	88	85	91	87	83	88	85	82	86	83	81	79																			
4	96	88	82	78	94	87	81	77	85	80	76	83	79	75	81	77	74	73																			
5	91	82	76	71	89	81	75	71	79	74	70	77	73	70	76	72	69	67																			
6	86	76	70	66	84	76	70	65	74	69	65	73	68	64	71	67	64	62																			
7	81	71	65	61	80	71	65	60	69	64	60	68	63	60	67	63	59	58																			
8	77	67	61	56	76	66	60	56	65	60	56	64	59	56	63	59	55	54																			
9	73	63	57	52	72	62	56	52	61	56	52	60	56	52	60	55	52	50																			
10	69	59	53	49	68	59	53	49	58	53	49	57	52	49	56	52	49	47																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	57950
5°	55574
10°	52465
15°	49370
20°	44623
25°	37901
30°	30910
35°	24132
40°	17848
45°	11598
50°	4776
55°	1845
60°	866
65°	233
70°	144
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11598 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.3	9.6
10°-20°	242.1	24.6
20°-30°	286.4	29.1
30°-40°	225.6	22.9
40°-50°	113.5	11.5
50°-60°	20.9	2.1
60°-70°	2.6	0.3
70°-80°	0.4	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°	622.8	63.2
0°-40°	848.4	86.1
0°-60°	982.9	99.7
0°-90°	985.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	985.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1057	
5°	1010	94
15°	870	242
25°	627	286
35°	361	226
45°	150	114
55°	19	21
65°	2	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1057.1
2.5°	1044.9
5°	1009.9
7.5°	974.0
10°	942.5
12.5°	908.4
15°	869.9
17.5°	820.9
20°	764.9
22.5°	699.2
25°	626.6
27.5°	555.7
30°	488.3
32.5°	423.6
35°	360.6
37.5°	301.9
40°	249.4
42.5°	197.8
45°	149.6
47.5°	97.1
50°	56.0
52.5°	30.6
55°	19.3
57.5°	13.1
60°	7.9
62.5°	3.5
65°	1.8
67.5°	0.9
70°	0.9
72.5°	0.9
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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