

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: P641273

Luminaire Tested: ML5612LSVWFL7597FS1E - 592SC - 900LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641273
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-71)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSVWFL7597FS1E - 592SC - 900LM - 3500K
Description: ML56 RR, 75D TIR OPTIC, 5" SPECULAR CLEAR TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1251.9 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.07
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

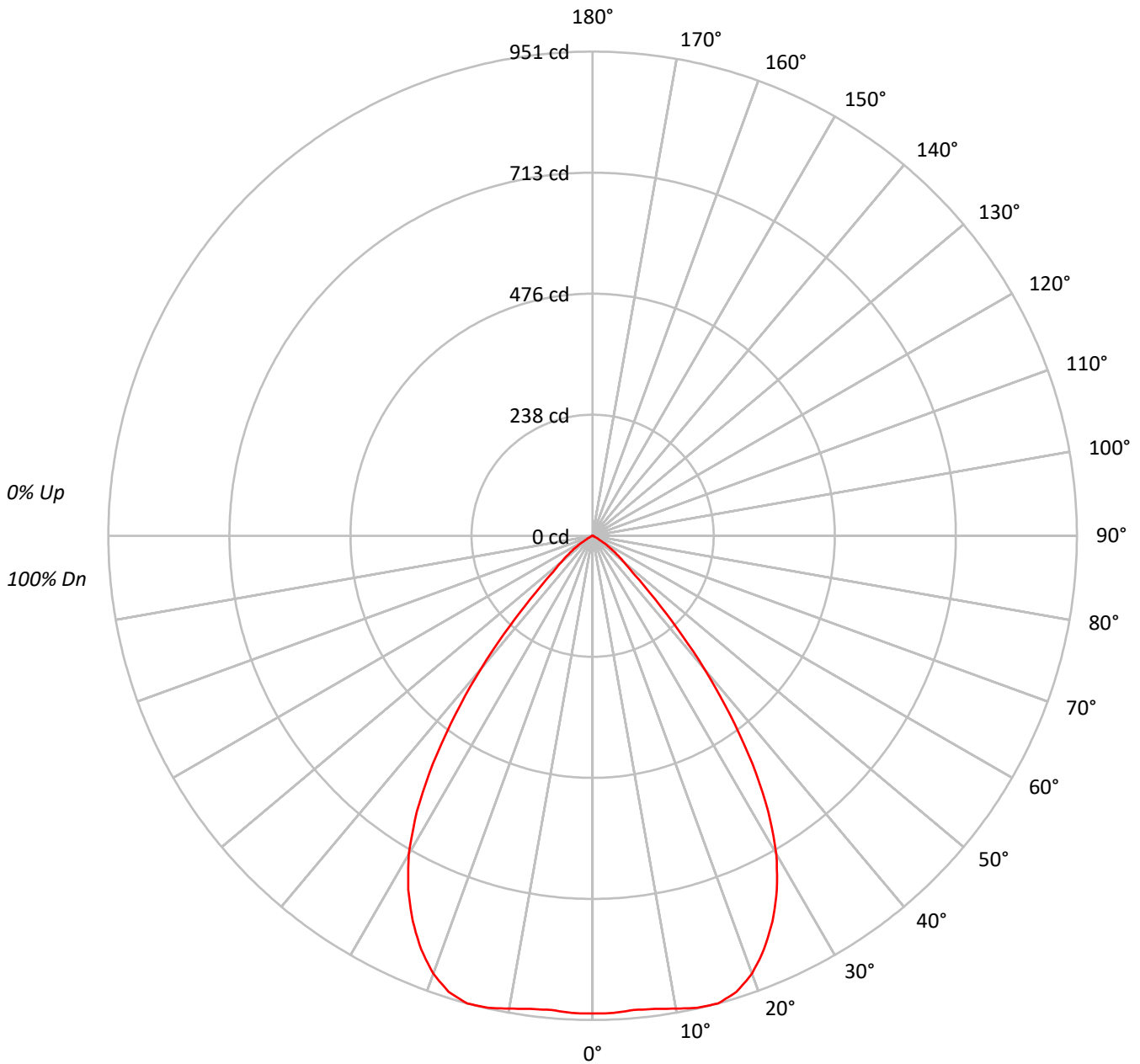
Input Watts (W): 13.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	113	110	107	105	111	108	106	103	104	102	100		100	99	97		97	95	94	93
2	107	102	97	93	105	100	96	92	96	93	90		93	91	88		91	89	87	85
3	101	94	88	84	99	92	87	83	90	85	82		87	84	81		85	82	79	78
4	95	87	81	76	93	85	80	75	83	78	75		81	77	74		79	76	73	71
5	89	80	74	69	88	79	73	69	77	72	68		76	71	68		74	70	67	65
6	84	75	68	63	83	74	68	63	72	67	63		71	66	62		69	65	62	60
7	80	69	63	58	78	69	62	58	67	62	58		66	61	57		65	60	57	55
8	75	65	58	54	74	64	58	54	63	57	53		62	57	53		61	56	53	51
9	71	60	54	50	70	60	54	50	59	53	49		58	53	49		57	52	49	48
10	67	57	50	46	66	56	50	46	55	50	46		55	49	46		54	49	46	44

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	74070
5°	74076
10°	75582
15°	77721
20°	76892
25°	72791
30°	65776
35°	52762
40°	35161
45°	17762
50°	9911
55°	5877
60°	2179
65°	430
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17762 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.5	7.2
10°-20°	266.8	21.3
20°-30°	381.3	30.5
30°-40°	335.0	26.8
40°-50°	135.8	10.8
50°-60°	39.3	3.1
60°-70°	4.2	0.3
70°-80°	0.0	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°	737.6	58.9
0°-40°	1072.6	85.7
0°-60°	1247.7	99.7
0°-90°	1251.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1251.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	938	
5°	935	90
15°	951	267
25°	836	381
35°	548	335
45°	159	136
55°	43	39
65°	2	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	938.3
2.5°	938.3
5°	934.8
7.5°	937.2
10°	942.9
12.5°	949.8
15°	951.0
17.5°	939.5
20°	915.3
22.5°	879.5
25°	835.7
27.5°	783.8
30°	721.6
32.5°	642.1
35°	547.5
37.5°	442.6
40°	341.2
42.5°	240.9
45°	159.1
47.5°	104.9
50°	80.7
52.5°	59.9
55°	42.7
57.5°	27.7
60°	13.8
62.5°	6.9
65°	2.3
67.5°	1.2
70°	0.0
72.5°	0.0
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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