

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: P641267

Luminaire Tested: ML5612LSVWFL7597FS1E - 592SC - 600LM - 3000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641267
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 - 600LM - 3000K
Description: ML56 RR, 75D TIR OPTIC, 5" SPECULAR CLEAR TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

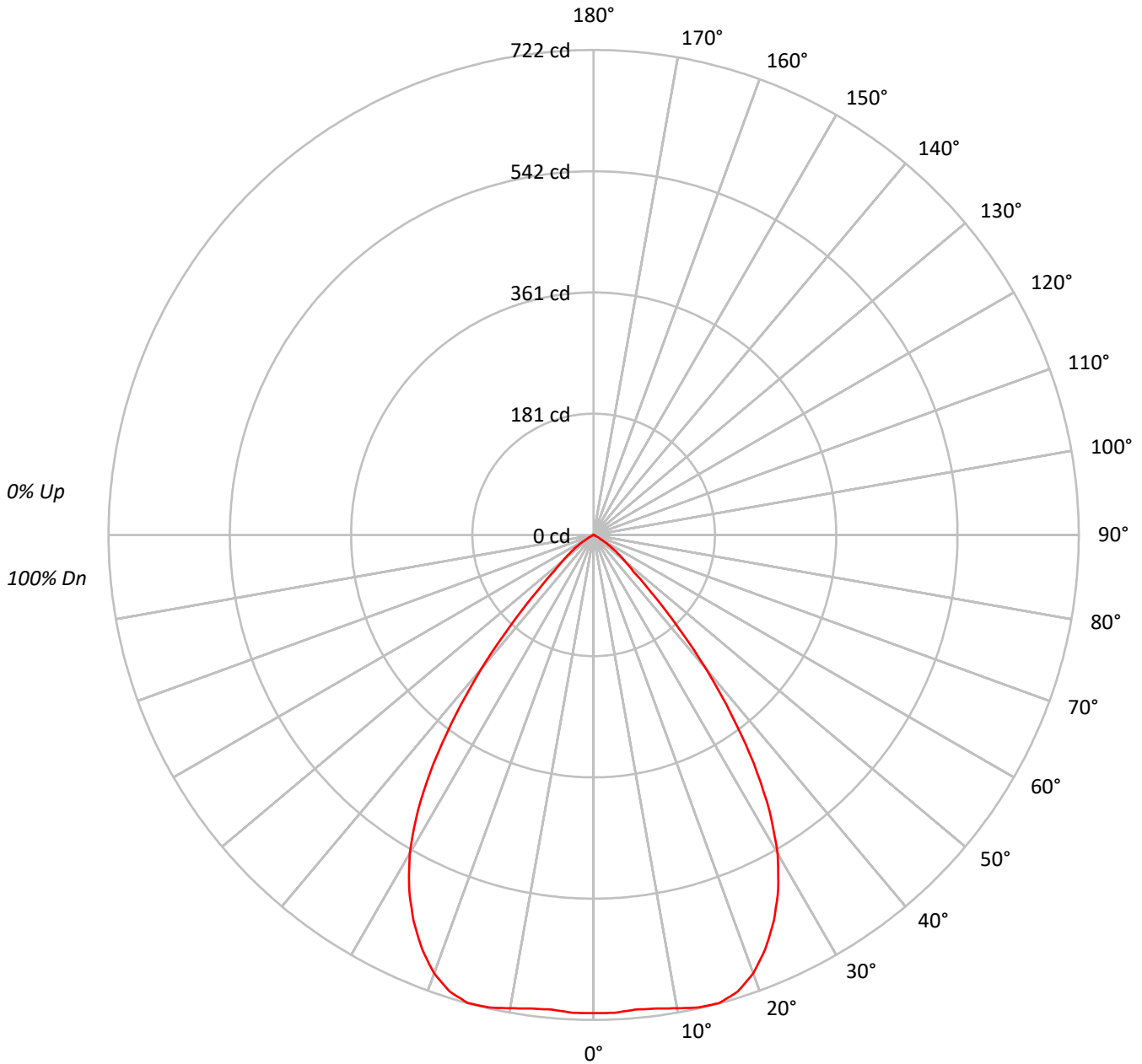
Lumens per Lamp: N/A
Luminaire Lumens: 949.9 lumens
Efficiency: N/A
Efficacy: 92.2 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.07
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 10.3
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									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	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	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93											93																	
2	107	102	97	93	105	100	96	92	96	93	90	93	91	88	91	89	87	85											85																	
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78											78																	
4	95	87	81	76	93	85	80	75	83	78	75	81	77	74	79	76	73	71											71																	
5	89	80	74	69	88	79	73	69	77	72	68	76	71	68	74	70	67	65											65																	
6	84	75	68	63	83	74	68	63	72	67	63	71	66	62	69	65	62	60											60																	
7	80	69	63	58	78	69	62	58	67	62	58	66	61	57	65	60	57	55											55																	
8	75	65	58	54	74	64	58	54	63	57	53	62	57	53	61	56	53	51											51																	
9	71	60	54	50	70	60	54	50	59	53	49	58	53	49	57	52	49	48											48																	
10	67	57	50	46	66	56	50	46	55	50	46	55	49	46	54	49	46	44											44																	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	56206
5°	56215
10°	57354
15°	58973
20°	58343
25°	55231
30°	49906
35°	40041
40°	26680
45°	13475
50°	7516
55°	4459
60°	1658
65°	318
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13475 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.9	7.2
10°-20°	202.4	21.3
20°-30°	289.3	30.5
30°-40°	254.2	26.8
40°-50°	103.0	10.8
50°-60°	29.8	3.1
60°-70°	3.2	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°	559.7	58.9
0°-40°	813.9	85.7
0°-60°	946.7	99.7
0°-90°	949.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	949.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	712	
5°	709	68
15°	722	202
25°	634	289
35°	416	254
45°	121	103
55°	32	30
65°	2	3
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	712.0
2.5°	712.0
5°	709.4
7.5°	711.1
10°	715.5
12.5°	720.7
15°	721.6
17.5°	712.9
20°	694.5
22.5°	667.4
25°	634.1
27.5°	594.8
30°	547.5
32.5°	487.2
35°	415.5
37.5°	335.9
40°	258.9
42.5°	182.8
45°	120.7
47.5°	79.6
50°	61.2
52.5°	45.5
55°	32.4
57.5°	21.0
60°	10.5
62.5°	5.2
65°	1.7
67.5°	0.9
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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