

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: P641271

Luminaire Tested: ML5612LSVWFL7597FS1E - 592SC - 900LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641271
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 - 2700K
Description: ML56 RR, 75D TIR OPTIC, 5" SPECULAR CLEAR TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

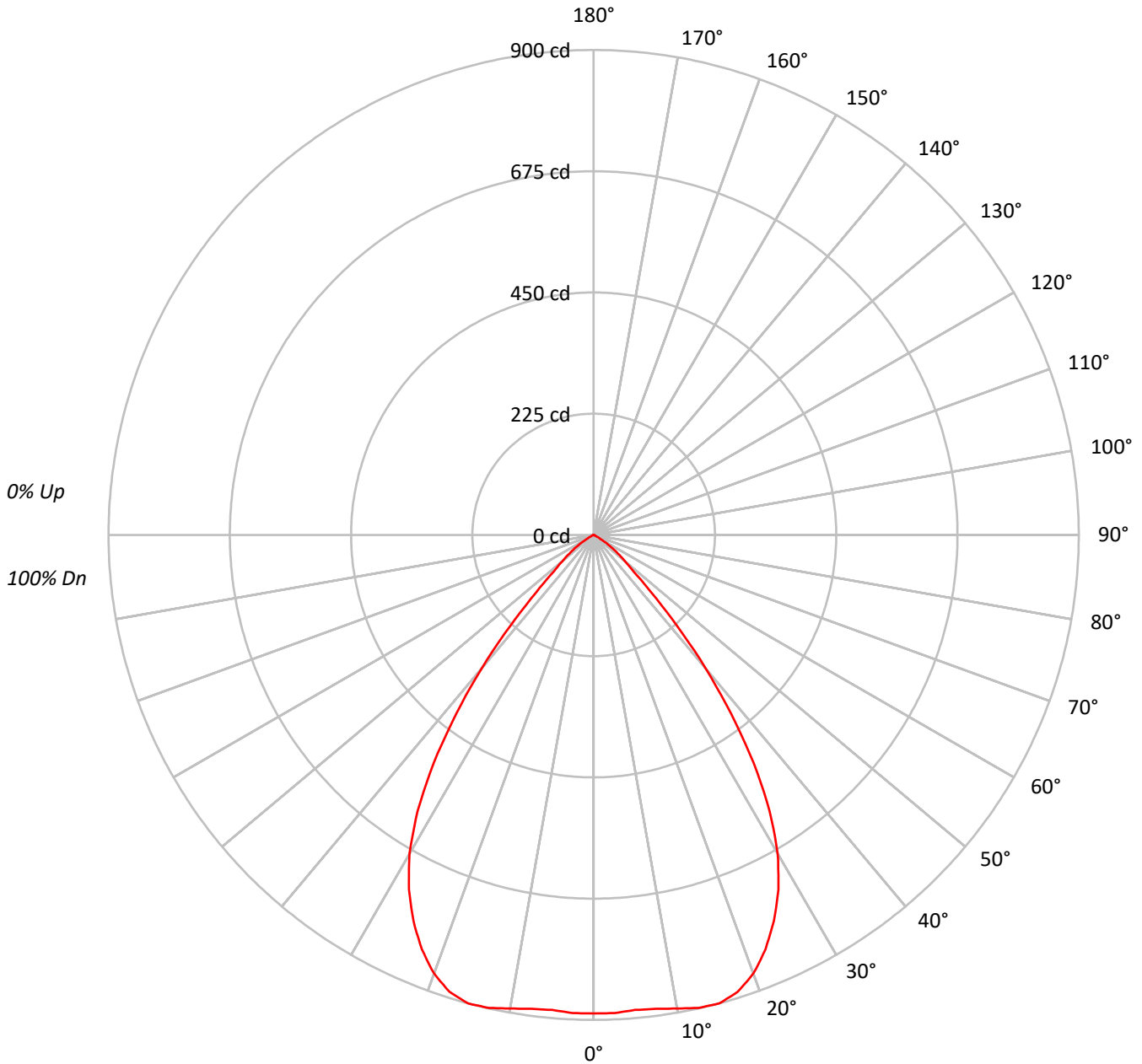
Lumens per Lamp: N/A
Luminaire Lumens: 1184.9 lumens
Efficiency: N/A
Efficacy: 89.1 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.07
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 13.3
Input Voltage (V): NR
Input Current (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	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°	70107
5°	70114
10°	71534
15°	73561
20°	72775
25°	68897
30°	62258
35°	49938
40°	33275
45°	16813
50°	9383
55°	5560
60°	2068
65°	411
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16813 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.7	7.2
10°-20°	252.5	21.3
20°-30°	360.9	30.5
30°-40°	317.1	26.8
40°-50°	128.5	10.8
50°-60°	37.2	3.1
60°-70°	4.0	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°	698.1	58.9
0°-40°	1015.2	85.7
0°-60°	1180.9	99.7
0°-90°	1184.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1184.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	888	
5°	885	85
15°	900	252
25°	791	361
35°	518	317
45°	151	129
55°	40	37
65°	2	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	888.1
2.5°	888.1
5°	884.8
7.5°	887.0
10°	892.4
12.5°	899.0
15°	900.1
17.5°	889.2
20°	866.3
22.5°	832.4
25°	791.0
27.5°	741.9
30°	683.0
32.5°	607.7
35°	518.2
37.5°	418.9
40°	322.9
42.5°	228.0
45°	150.6
47.5°	99.3
50°	76.4
52.5°	56.7
55°	40.4
57.5°	26.2
60°	13.1
62.5°	6.5
65°	2.2
67.5°	1.1
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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