

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: P641437

Luminaire Tested: ML5612LSVWFL7597FS1E - 692H - 900LM - 3000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641437
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-84)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSVWFL7597FS1E - 692H - 900LM - 3000K
Description: ML56 RR, 75D TIR OPTIC, 6" HAZE TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

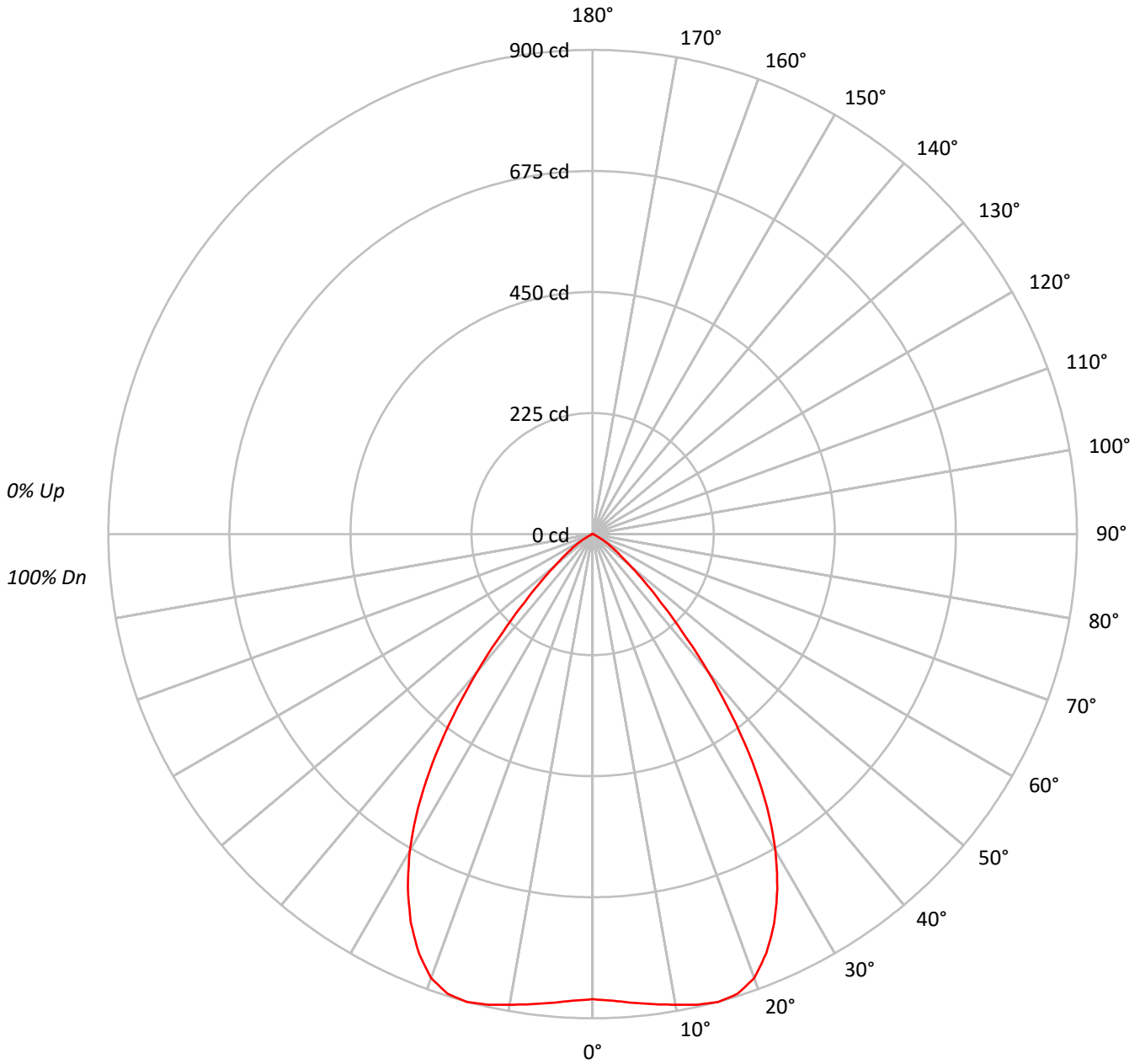
Lumens per Lamp: N/A
Luminaire Lumens: 1217.5 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.08
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	110	108	105	103	104	102	100	100	98	97	96	95	94	92																											
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84																											
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77																											
4	94	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72	70																											
5	89	80	73	68	87	79	73	68	77	71	67	75	70	67	73	69	66	65																											
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59																											
7	79	69	62	57	77	68	62	57	67	61	57	65	60	56	64	60	56	55																											
8	74	64	57	53	73	63	57	53	62	56	52	61	56	52	60	55	52	50																											
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47																											
10	67	56	50	45	66	55	49	45	55	49	45	54	49	45	53	48	45	43																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	426576
5°	433208
10°	444980
15°	459961
20°	461041
25°	434691
30°	387172
35°	312054
40°	214537
45°	124408
50°	68850
55°	41461
60°	22103
65°	6538
70°	1587
75°	2097
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 124408 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.9	6.9
10°-20°	253.3	20.8
20°-30°	363.5	29.9
30°-40°	318.3	26.1
40°-50°	145.4	11.9
50°-60°	45.2	3.7
60°-70°	7.2	0.6
70°-80°	0.7	0.1
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°	700.7	57.5
0°-40°	1018.9	83.7
0°-60°	1209.6	99.3
0°-90°	1217.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1217.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	865	
5°	875	84
15°	900	253
25°	798	363
35°	518	318
45°	178	145
55°	48	45
65°	6	7
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	864.6
2.5°	868.0
5°	874.7
7.5°	881.5
10°	888.2
12.5°	896.0
15°	900.5
17.5°	896.0
20°	878.1
22.5°	843.3
25°	798.5
27.5°	743.5
30°	679.6
32.5°	604.5
35°	518.1
37.5°	425.0
40°	333.1
42.5°	246.7
45°	178.3
47.5°	127.8
50°	89.7
52.5°	65.0
55°	48.2
57.5°	34.8
60°	22.4
62.5°	10.1
65°	5.6
67.5°	2.2
70°	1.1
72.5°	1.1
75°	1.1
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)