

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: P641468

Luminaire Tested: ML5612LSVWFL7597FS1E - 692W - 900LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641468
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-85)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSVWFL7597FS1E - 692W - 900LM - 3500K
Description: ML56 RR, 75D TIR OPTIC, 6" WHITE TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

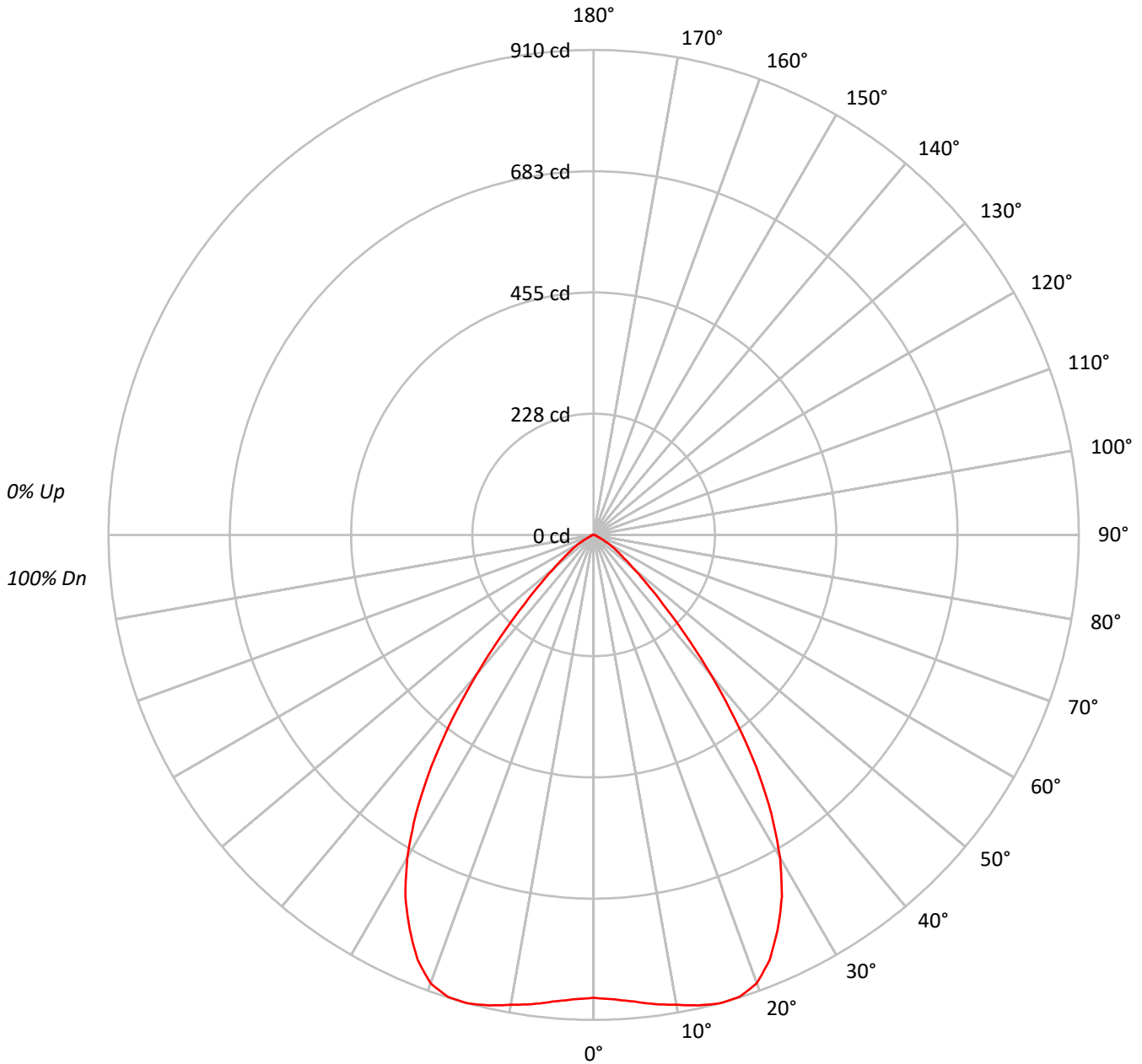
Lumens per Lamp: N/A
Luminaire Lumens: 1261.1 lumens
Efficiency: N/A
Efficacy: 94.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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					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	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	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92					92			
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	86	84					84			
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76					76			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70					70			
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64					64			
6	83	73	66	62	82	72	66	61	71	65	61	69	64	61	68	64	60	58					58			
7	78	68	61	56	77	67	61	56	66	60	56	65	60	56	63	59	55	54					54			
8	74	63	57	52	73	63	56	52	62	56	52	60	55	51	59	55	51	50					50			
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46					46			
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43					43			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	47617
5°	48371
10°	49832
15°	51652
20°	52225
25°	49400
30°	44247
35°	35590
40°	24431
45°	14312
50°	8264
55°	5295
60°	3158
65°	1492
70°	930
75°	974
80°	726
85°	755

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14312 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.5	6.7
10°-20°	256.5	20.3
20°-30°	372.4	29.5
30°-40°	326.5	25.9
40°-50°	150.8	12.0
50°-60°	51.3	4.1
60°-70°	13.0	1.0
70°-80°	4.7	0.4
80°-90°	1.3	0.1
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°	713.4	56.6
0°-40°	1039.9	82.5
0°-60°	1242.1	98.5
0°-90°	1261.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1261.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	869	
5°	879	84
15°	910	256
25°	817	372
35°	532	327
45°	185	151
55°	55	51
65°	12	13
75°	5	5
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	868.6
2.5°	872.1
5°	879.0
7.5°	888.2
10°	895.2
12.5°	904.4
15°	910.1
17.5°	909.0
20°	895.2
22.5°	862.9
25°	816.7
27.5°	764.8
30°	699.0
32.5°	620.6
35°	531.8
37.5°	434.9
40°	341.4
42.5°	254.9
45°	184.6
47.5°	133.8
50°	96.9
52.5°	71.5
55°	55.4
57.5°	41.5
60°	28.8
62.5°	17.3
65°	11.5
67.5°	6.9
70°	5.8
72.5°	5.8
75°	4.6
77.5°	3.5
80°	2.3
82.5°	2.3
85°	1.2
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)