

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: P641567

Luminaire Tested: ML5612LSVWFL7597FS1E - 696WB - 600LM - 3000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641567
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-92)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSVWFL7597FS1E - 696WB - 600LM - 3000K
Description: ML56 RR, 75D TIR OPTIC, 6" SHALLOW WHITE BAFFLE TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 959.4 lumens
Efficiency: N/A
Efficacy: 93.2 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

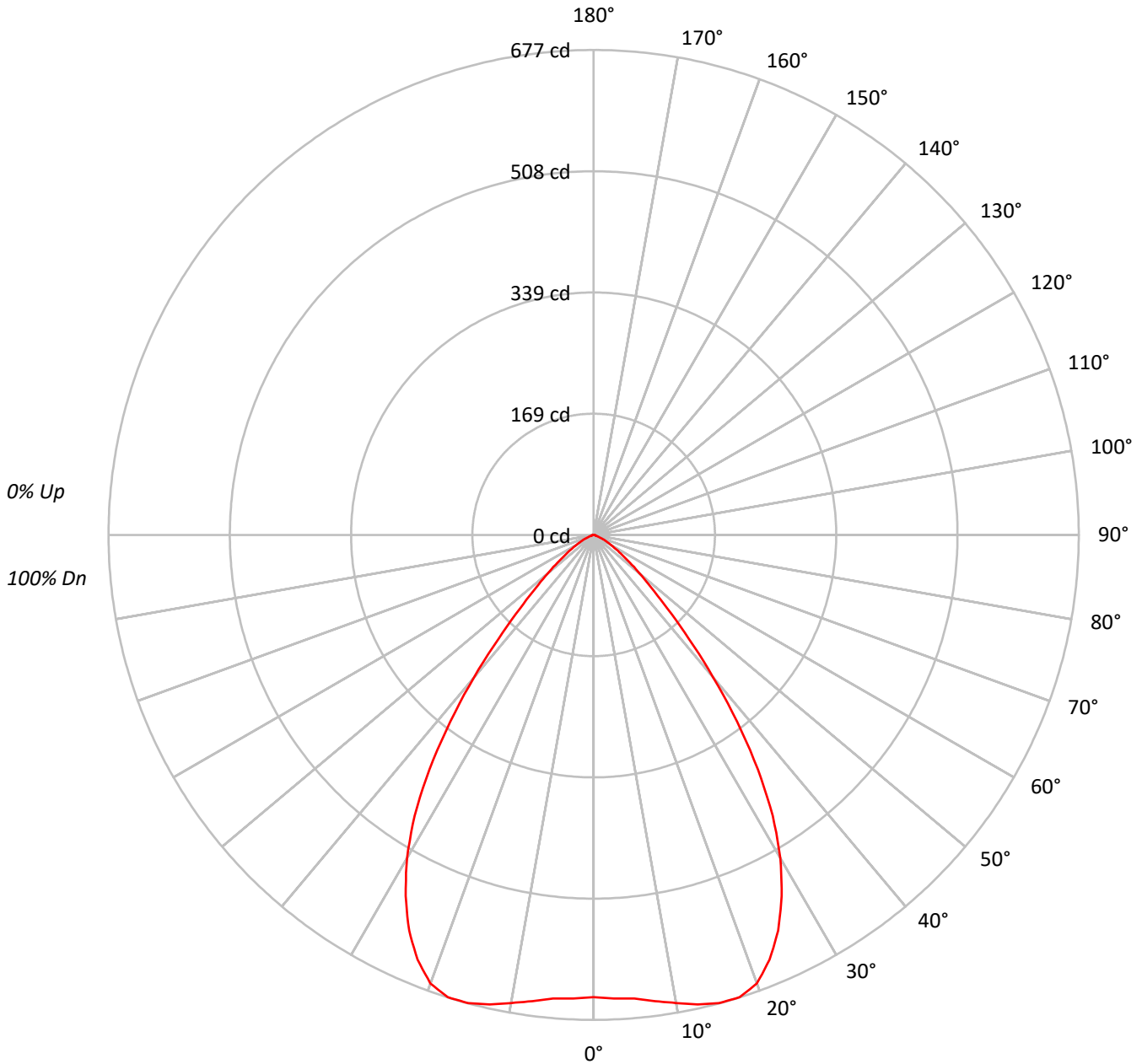
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	104	110	107	105	103	103	101	99	99	98	96	96	95	94	92	92	92	90	87	85	83	83	80	77	76																	
2	106	100	96	92	104	99	94	91	95	92	89	92	89	87	90	87	85	83	83	80	77	76																							
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	77	76																											
4	94	85	79	74	92	84	78	73	81	76	72	79	75	71	77	74	71	69																											
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	65	63																											
6	83	73	66	61	81	72	65	61	70	64	60	69	64	60	67	63	59	58																											
7	78	67	60	56	76	67	60	55	65	59	55	64	59	55	63	58	55	53																											
8	73	63	56	51	72	62	56	51	61	55	51	60	54	51	59	54	50	49																											
9	69	58	52	47	68	58	52	47	57	51	47	56	51	47	55	50	47	45																											
10	66	55	48	44	64	54	48	44	53	48	44	52	47	43	52	47	43	42																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	35370
5°	35742
10°	36934
15°	38400
20°	38865
25°	36855
30°	32980
35°	26736
40°	18578
45°	11249
50°	7155
55°	4597
60°	3070
65°	2037
70°	978
75°	551
80°	537
85°	566

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11249 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.5	6.5
10°-20°	190.7	19.9
20°-30°	277.2	28.9
30°-40°	245.5	25.6
40°-50°	118.6	12.4
50°-60°	45.2	4.7
60°-70°	15.6	1.6
70°-80°	3.1	0.3
80°-90°	1.2	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°	530.4	55.3
0°-40°	775.9	80.9
0°-60°	939.6	97.9
0°-90°	959.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	959.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	645	
5°	650	63
15°	677	191
25°	609	277
35°	400	245
45°	145	119
55°	48	45
65°	16	16
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	645.2
2.5°	647.8
5°	649.5
7.5°	656.5
10°	663.5
12.5°	671.4
15°	676.6
17.5°	676.6
20°	666.2
22.5°	641.7
25°	609.3
27.5°	568.2
30°	521.0
32.5°	465.1
35°	399.5
37.5°	328.7
40°	259.6
42.5°	196.7
45°	145.1
47.5°	108.4
50°	83.9
52.5°	63.8
55°	48.1
57.5°	35.8
60°	28.0
62.5°	21.0
65°	15.7
67.5°	9.6
70°	6.1
72.5°	3.5
75°	2.6
77.5°	1.7
80°	1.7
82.5°	1.7
85°	0.9
87.5°	0.9
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)