

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: P641426

Luminaire Tested: ML5612LSVWFL7597FS1E - 692H - 1200LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641426
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 - 1200LM - 2700K
Description: ML56 RR, 75D TIR OPTIC, 6" HAZE TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1433.0 lumens
Efficiency: N/A
Efficacy: 86.9 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

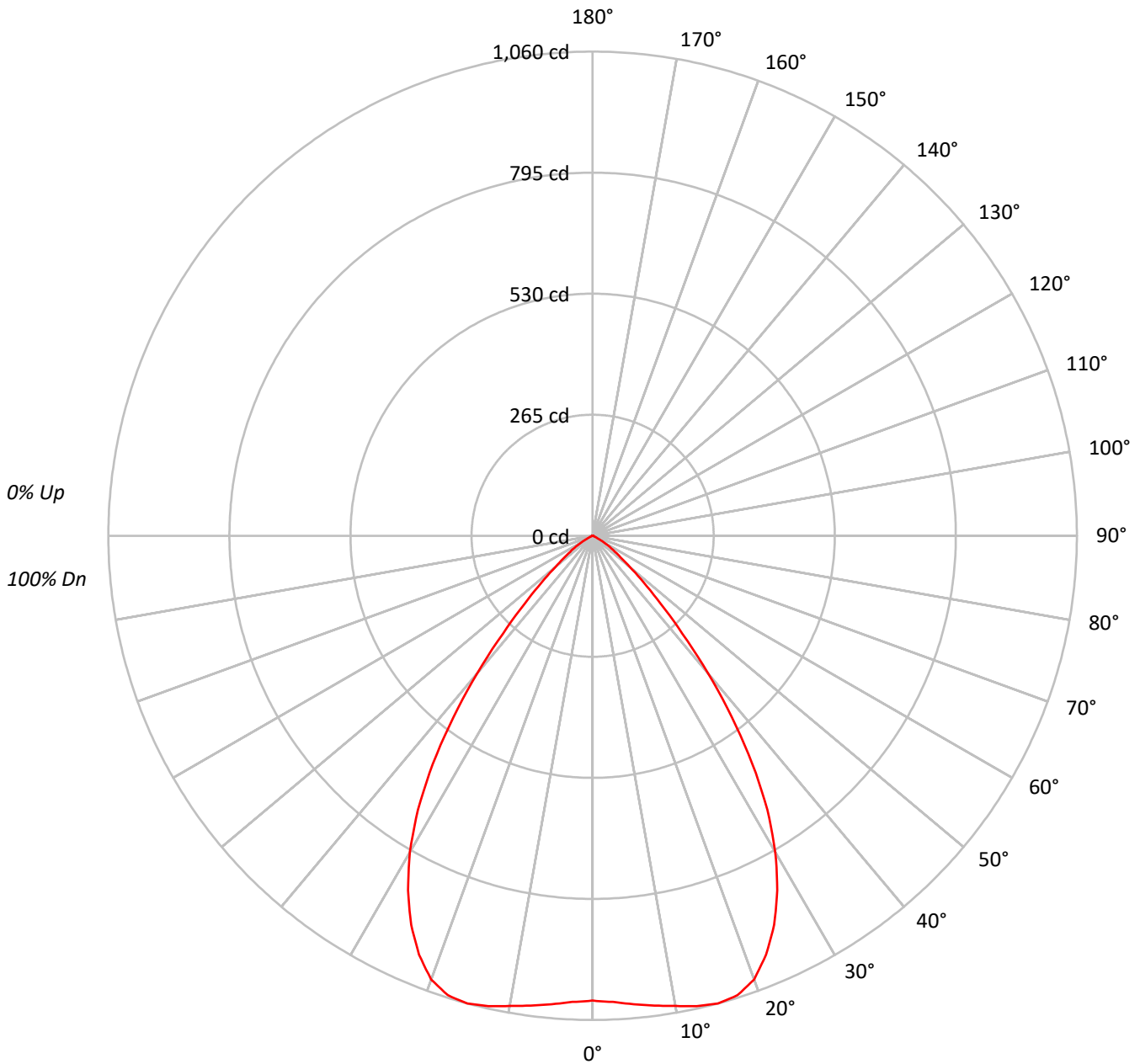
Input Watts (W): 16.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	502063
5°	509874
10°	523686
15°	541380
20°	542633
25°	511612
30°	455651
35°	367286
40°	252472
45°	146456
50°	81055
55°	48858
60°	26050
65°	7705
70°	1875
75°	2478
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 146456 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.8	6.9
10°-20°	298.1	20.8
20°-30°	427.8	29.9
30°-40°	374.6	26.1
40°-50°	171.2	11.9
50°-60°	53.2	3.7
60°-70°	8.5	0.6
70°-80°	0.9	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°	824.7	57.5
0°-40°	1199.2	83.7
0°-60°	1423.6	99.3
0°-90°	1433.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1433.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1018	
5°	1030	99
15°	1060	298
25°	940	428
35°	610	375
45°	210	171
55°	57	53
65°	7	9
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1017.6
2.5°	1021.6
5°	1029.5
7.5°	1037.4
10°	1045.3
12.5°	1054.6
15°	1059.9
17.5°	1054.6
20°	1033.5
22.5°	992.5
25°	939.8
27.5°	875.1
30°	799.8
32.5°	711.4
35°	609.8
37.5°	500.2
40°	392.0
42.5°	290.4
45°	209.9
47.5°	150.5
50°	105.6
52.5°	76.6
55°	56.8
57.5°	40.9
60°	26.4
62.5°	11.9
65°	6.6
67.5°	2.6
70°	1.3
72.5°	1.3
75°	1.3
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)