

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: P643257

Luminaire Tested: ML5615LSVWFL759FS1E - 692SC - 1200LM - 3000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643257
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-83)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 692SC - 1200LM - 3000K
Description: ML56 RR, 75D TIR OPTIC, 6" SPECULAR CLEAR TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1423.2 lumens
Efficiency: N/A
Efficacy: 106.2 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.01
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

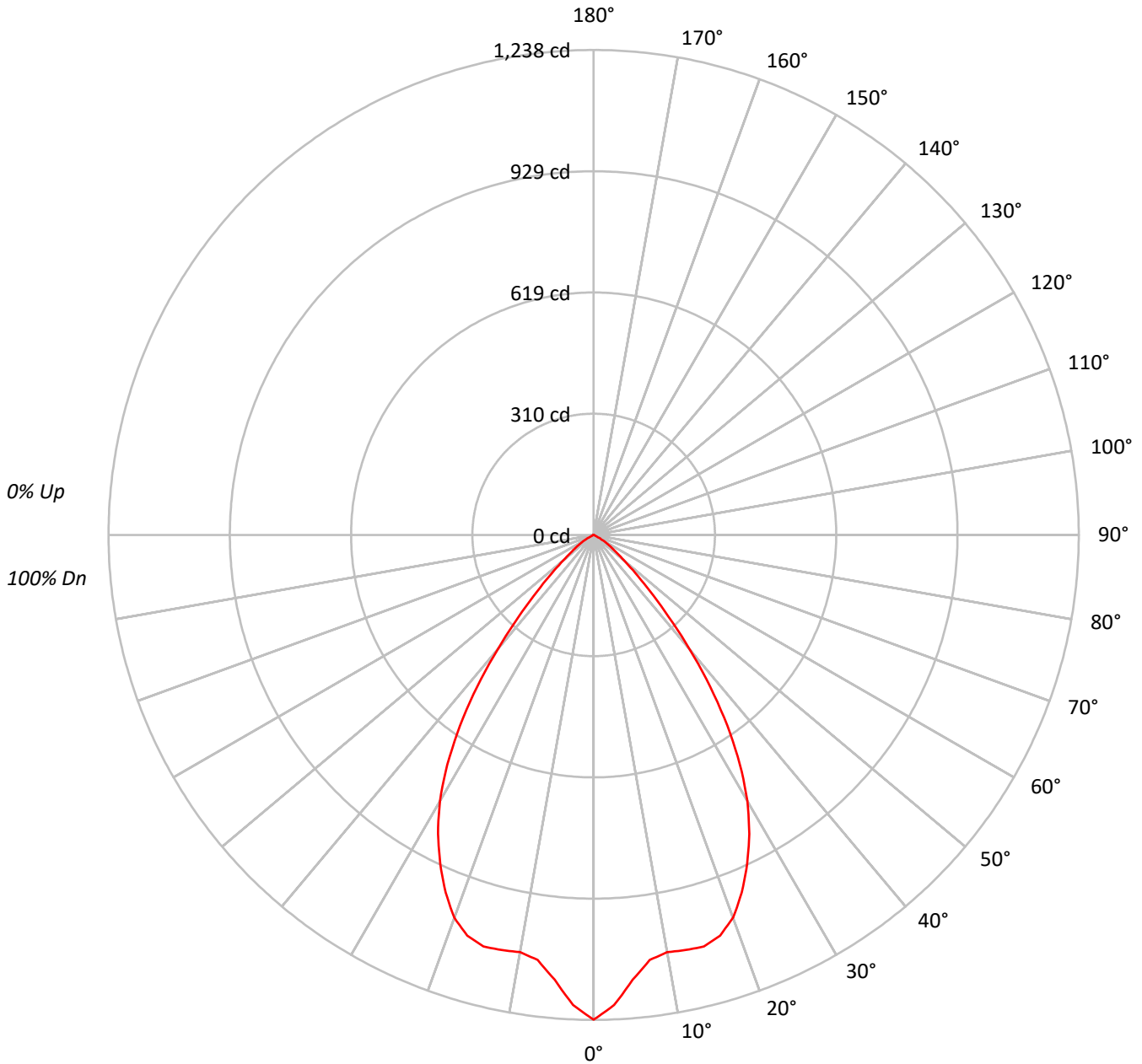
Input Watts (W): 13.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	111	108	105	103	104	102	100	100	99	97	97	95	94	92			92																
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85			85																
3	101	94	88	84	99	92	87	83	89	85	82	87	83	80	85	82	79	78			78																
4	95	86	80	76	93	85	80	75	83	78	74	81	77	73	79	76	73	71			71																
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65			65																
6	84	74	68	63	83	74	67	63	72	66	62	70	66	62	69	65	61	60			60																
7	79	69	63	58	78	68	62	58	67	62	57	66	61	57	65	60	57	55			55																
8	75	65	58	53	74	64	58	53	63	57	53	62	57	53	61	56	53	51			51																
9	71	60	54	50	70	60	54	49	59	53	49	58	53	49	57	52	49	47			47																
10	67	57	50	46	66	56	50	46	55	50	46	54	49	46	54	49	46	44			44																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	67840
5°	62728
10°	60197
15°	61743
20°	60654
25°	56042
30°	49672
35°	39799
40°	27287
45°	15738
50°	8546
55°	5104
60°	2708
65°	675
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 15738 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.0	7.5
10°-20°	304.6	21.4
20°-30°	423.1	29.7
30°-40°	365.7	25.7
40°-50°	165.3	11.6
50°-60°	49.9	3.5
60°-70°	7.4	0.5
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°	834.8	58.7
0°-40°	1200.5	84.4
0°-60°	1415.7	99.5
0°-90°	1423.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1423.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1238	
5°	1140	107
15°	1088	305
25°	926	423
35°	595	366
45°	203	165
55°	53	50
65°	5	7
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1237.5
2.5°	1201.1
5°	1139.9
7.5°	1094.4
10°	1081.4
12.5°	1085.3
15°	1087.9
17.5°	1072.3
20°	1039.7
22.5°	987.7
25°	926.5
27.5°	860.2
30°	784.7
32.5°	694.9
35°	594.7
37.5°	488.0
40°	381.3
42.5°	282.4
45°	203.0
47.5°	143.1
50°	100.2
52.5°	71.6
55°	53.4
57.5°	37.7
60°	24.7
62.5°	11.7
65°	5.2
67.5°	1.3
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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