

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: P643261

Luminaire Tested: ML5615LSVWFL759FS1E - 692SC - 1500LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643261
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 - 1500LM - 2700K
Description: ML56 RR, 75D TIR OPTIC, 6" SPECULAR CLEAR TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1701.1 lumens
Efficiency: N/A
Efficacy: 99.5 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

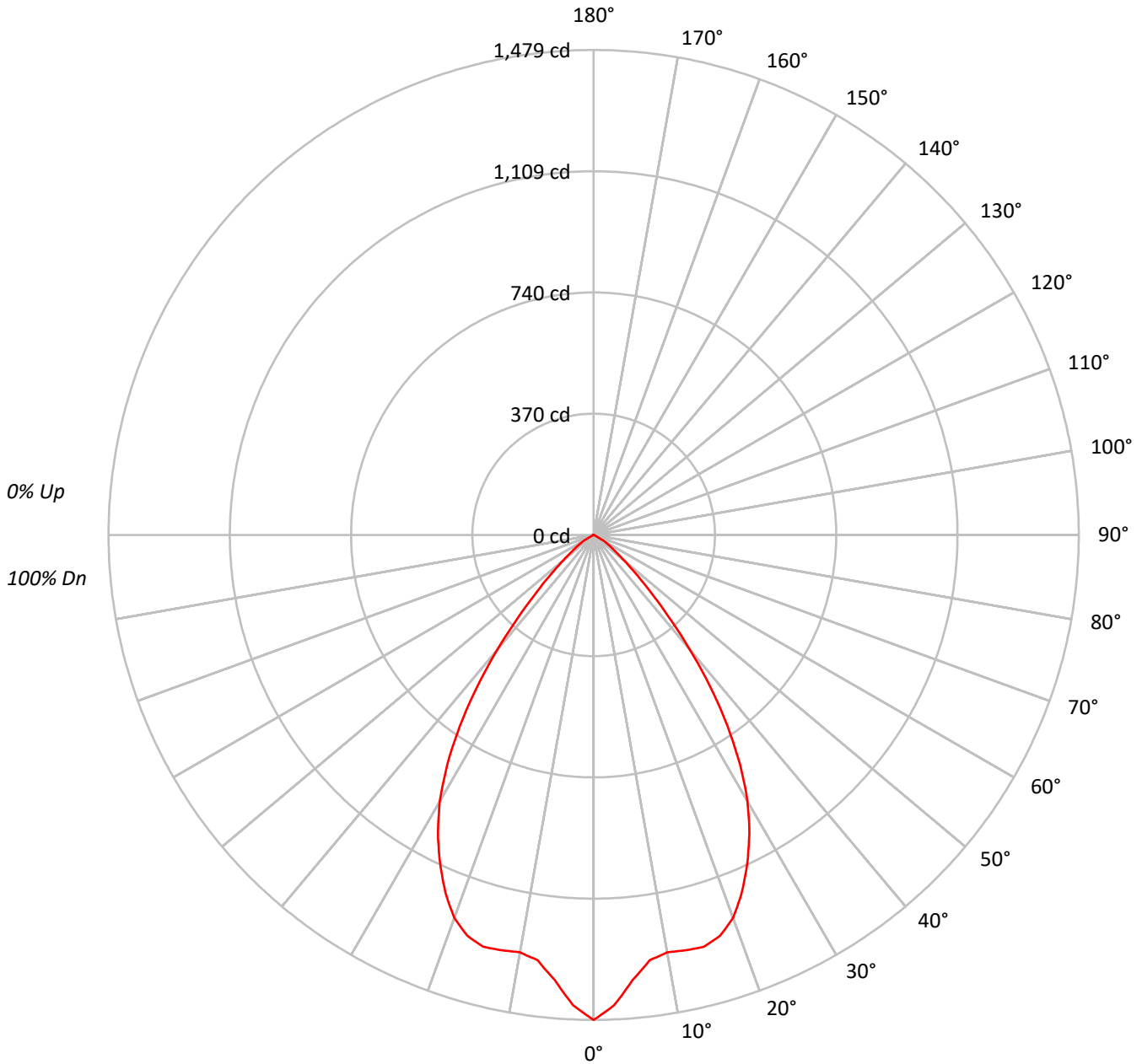
Input Watts (W): 17.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	81090
5°	74983
10°	71954
15°	73797
20°	72503
25°	66990
30°	59370
35°	47569
40°	32611
45°	18808
50°	10217
55°	6098
60°	3245
65°	804
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18808 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.9	7.5
10°-20°	364.1	21.4
20°-30°	505.8	29.7
30°-40°	437.2	25.7
40°-50°	197.6	11.6
50°-60°	59.6	3.5
60°-70°	8.9	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°	997.8	58.7
0°-40°	1435.0	84.4
0°-60°	1692.2	99.5
0°-90°	1701.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1701.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1479	
5°	1363	128
15°	1300	364
25°	1108	506
35°	711	437
45°	243	198
55°	64	60
65°	6	9
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1479.2
2.5°	1435.7
5°	1362.6
7.5°	1308.1
10°	1292.6
12.5°	1297.2
15°	1300.3
17.5°	1281.7
20°	1242.8
22.5°	1180.6
25°	1107.5
27.5°	1028.1
30°	937.9
32.5°	830.6
35°	710.8
37.5°	583.3
40°	455.7
42.5°	337.5
45°	242.6
47.5°	171.1
50°	119.8
52.5°	85.5
55°	63.8
57.5°	45.1
60°	29.6
62.5°	14.0
65°	6.2
67.5°	1.6
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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(END OF REPORT)