

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: P643336

Luminaire Tested: ML5615LSVWFL759FS1E - 693WB - 1500LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643336
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-86)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 693WB - 1500LM - 2700K
Description: ML56 RR, 75D TIR OPTIC, 6" WHITE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1690.2 lumens
Efficiency: N/A
Efficacy: 98.8 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

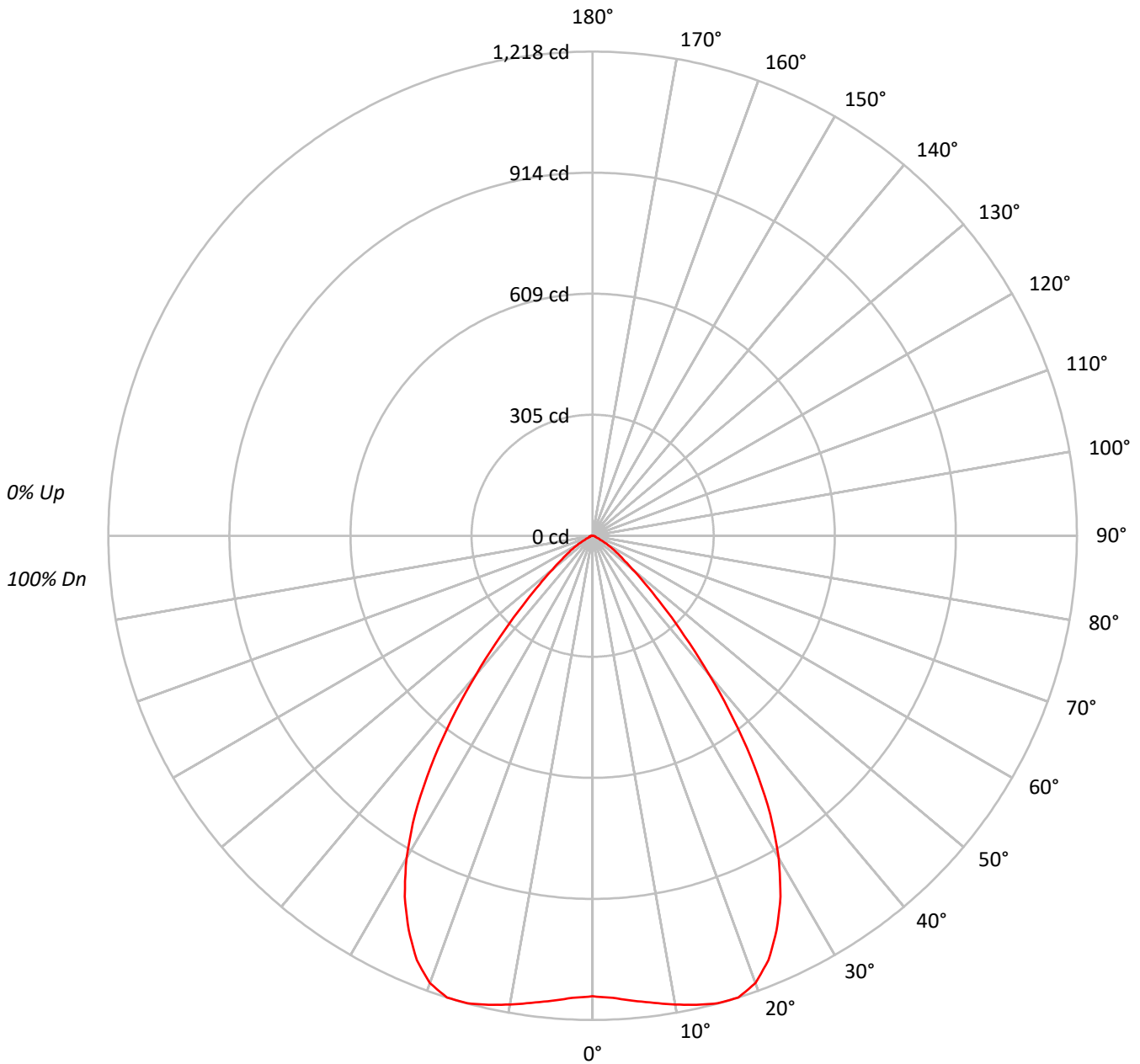
Input Watts (W): 17.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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																			
1	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92																			
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	86	84																			
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76																			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70																			
5	88	79	72	67	87	78	72	67	76	71	67	74	70	66	73	69	65	64																			
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58																			
7	78	68	61	56	77	67	61	56	66	60	56	65	59	56	63	59	55	54																			
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50																			
9	70	59	52	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46																			
10	66	55	49	45	65	55	49	44	54	48	44	53	48	44	52	48	44	43																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	63515
5°	64616
10°	66660
15°	69109
20°	69860
25°	66228
30°	59262
35°	47562
40°	32718
45°	19289
50°	11138
55°	6987
60°	4265
65°	2024
70°	1250
75°	1313
80°	1484
85°	1006

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19289 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.8	6.7
10°-20°	343.2	20.3
20°-30°	498.7	29.5
30°-40°	437.3	25.9
40°-50°	202.8	12.0
50°-60°	68.8	4.1
60°-70°	17.2	1.0
70°-80°	7.0	0.4
80°-90°	2.4	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°	954.7	56.5
0°-40°	1392.0	82.4
0°-60°	1663.7	98.4
0°-90°	1690.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1690.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1159	
5°	1174	113
15°	1218	343
25°	1095	499
35°	711	437
45°	249	203
55°	73	69
65°	16	17
75°	6	7
85°	2	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1158.6
2.5°	1163.3
5°	1174.2
7.5°	1185.1
10°	1197.5
12.5°	1208.4
15°	1217.7
17.5°	1217.7
20°	1197.5
22.5°	1155.5
25°	1094.9
27.5°	1023.3
30°	936.2
32.5°	832.0
35°	710.7
37.5°	583.2
40°	457.2
42.5°	342.1
45°	248.8
47.5°	180.4
50°	130.6
52.5°	96.4
55°	73.1
57.5°	56.0
60°	38.9
62.5°	21.8
65°	15.6
67.5°	9.3
70°	7.8
72.5°	7.8
75°	6.2
77.5°	6.2
80°	4.7
82.5°	3.1
85°	1.6
87.5°	1.6
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)