

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: P643332

Luminaire Tested: ML5615LSVWFL759FS1E - 693WB - 1200LM - 3000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643332
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 - 1200LM - 3000K
Description: ML56 RR, 75D TIR OPTIC, 6" WHITE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

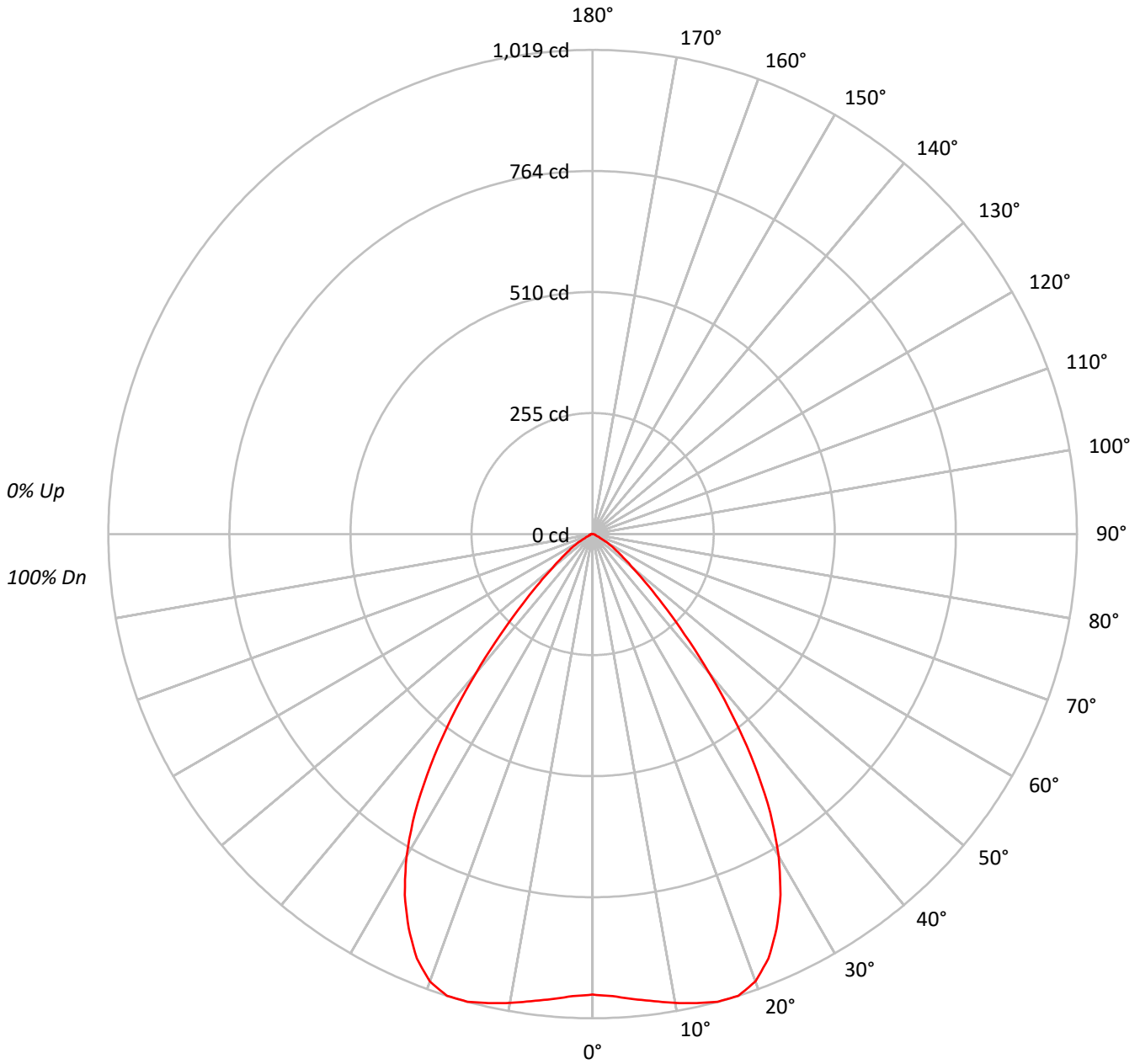
Lumens per Lamp: N/A
Luminaire Lumens: 1414.0 lumens
Efficiency: N/A
Efficacy: 105.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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				20				
RC	80				70				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	100	100
1	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92	92	92	92
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	88	86	84	84	84	84
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76	76	76	76
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70	70	70	70
5	88	79	72	67	87	78	72	67	76	71	67	74	70	66	73	69	65	64	64	64	64
6	83	73	66	62	82	72	66	61	71	65	61	69	64	60	68	63	60	58	58	58	58
7	78	68	61	56	77	67	61	56	66	60	56	65	59	56	63	59	55	54	54	54	54
8	74	63	57	52	73	63	56	52	61	56	52	60	55	51	59	55	51	50	50	50	50
9	70	59	52	48	69	59	52	48	58	52	48	57	51	48	56	51	47	46	46	46	46
10	66	55	49	45	65	55	49	44	54	48	44	53	48	44	52	48	44	43	43	43	43

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	53137
5°	54061
10°	55772
15°	57821
20°	58449
25°	55406
30°	49584
35°	39792
40°	27373
45°	16141
50°	9322
55°	5849
60°	3563
65°	1686
70°	1042
75°	1101
80°	1231
85°	818

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16141 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.4	6.7
10°-20°	287.1	20.3
20°-30°	417.2	29.5
30°-40°	365.9	25.9
40°-50°	169.7	12.0
50°-60°	57.6	4.1
60°-70°	14.4	1.0
70°-80°	5.8	0.4
80°-90°	1.9	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°	798.7	56.5
0°-40°	1164.6	82.4
0°-60°	1391.9	98.4
0°-90°	1414.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1414.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	969	
5°	982	94
15°	1019	287
25°	916	417
35°	595	366
45°	208	170
55°	61	58
65°	13	14
75°	5	6
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	969.3
2.5°	973.2
5°	982.4
7.5°	991.5
10°	1001.9
12.5°	1011.0
15°	1018.8
17.5°	1018.8
20°	1001.9
22.5°	966.7
25°	916.0
27.5°	856.1
30°	783.3
32.5°	696.1
35°	594.6
37.5°	487.9
40°	382.5
42.5°	286.2
45°	208.2
47.5°	150.9
50°	109.3
52.5°	80.7
55°	61.2
57.5°	46.8
60°	32.5
62.5°	18.2
65°	13.0
67.5°	7.8
70°	6.5
72.5°	6.5
75°	5.2
77.5°	5.2
80°	3.9
82.5°	2.6
85°	1.3
87.5°	1.3
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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