

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: P643074

Luminaire Tested: ML5615LSVWFL759FS1E - 592H - 900LM - 4000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643074
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-72)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 592H - 900LM - 4000K
Description: ML56 RR, 75D TIR OPTIC, 5" HAZE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

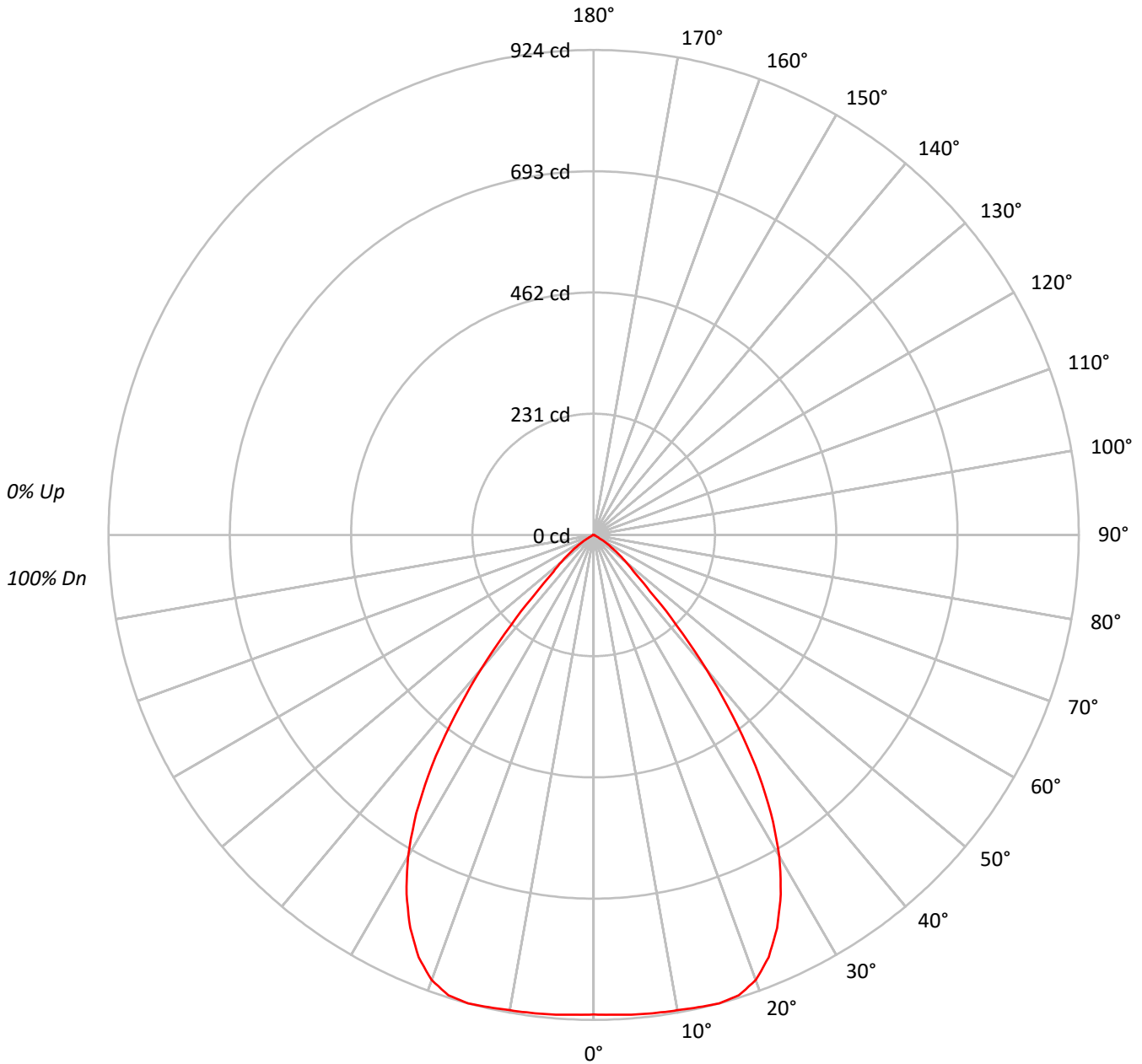
Lumens per Lamp: N/A
Luminaire Lumens: 1227.8 lumens
Efficiency: N/A
Efficacy: 116.9 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.07
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 10.5
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					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	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	93					93			
2	107	101	97	93	105	100	96	92	96	93	90	93	91	88	91	88	87	85					85			
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78					78			
4	95	87	81	76	93	85	80	75	83	78	75	81	77	74	79	76	73	71					71			
5	89	80	74	69	88	79	73	69	77	72	68	76	71	68	74	70	67	65					65			
6	84	74	68	63	83	74	67	63	72	67	63	71	66	62	69	65	62	60					60			
7	79	69	63	58	78	69	62	58	67	62	58	66	61	57	65	60	57	55					55			
8	75	65	58	54	74	64	58	53	63	57	53	62	57	53	61	56	53	51					51			
9	71	60	54	50	70	60	54	50	59	53	49	58	53	49	57	52	49	48					48			
10	67	57	50	46	66	56	50	46	55	50	46	55	49	46	54	49	46	44					44			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	72144
5°	72689
10°	73714
15°	75523
20°	75816
25°	71981
30°	64445
35°	51808
40°	34316
45°	16880
50°	9911
55°	5794
60°	1974
65°	430
70°	254
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16880 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.6	7.1
10°-20°	260.4	21.2
20°-30°	376.2	30.6
30°-40°	328.4	26.7
40°-50°	132.0	10.7
50°-60°	38.7	3.2
60°-70°	4.1	0.3
70°-80°	0.4	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°	724.1	59.0
0°-40°	1052.5	85.7
0°-60°	1223.2	99.6
0°-90°	1227.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1227.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	914	
5°	917	88
15°	924	260
25°	826	376
35°	538	328
45°	151	132
55°	42	39
65°	2	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	913.9
2.5°	915.0
5°	917.3
7.5°	918.4
10°	919.6
12.5°	921.8
15°	924.1
17.5°	919.6
20°	902.5
22.5°	870.7
25°	826.4
27.5°	771.8
30°	707.0
32.5°	628.6
35°	537.6
37.5°	434.2
40°	333.0
42.5°	234.2
45°	151.2
47.5°	103.4
50°	80.7
52.5°	59.1
55°	42.1
57.5°	27.3
60°	12.5
62.5°	6.8
65°	2.3
67.5°	1.1
70°	1.1
72.5°	1.1
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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