

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: P643245

Luminaire Tested: ML5615LSVWFL759FS1E - 692H - 1200LM - 5000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643245
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-84)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 692H - 1200LM - 5000K
Description: ML56 RR, 75D TIR OPTIC, 6" HAZE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

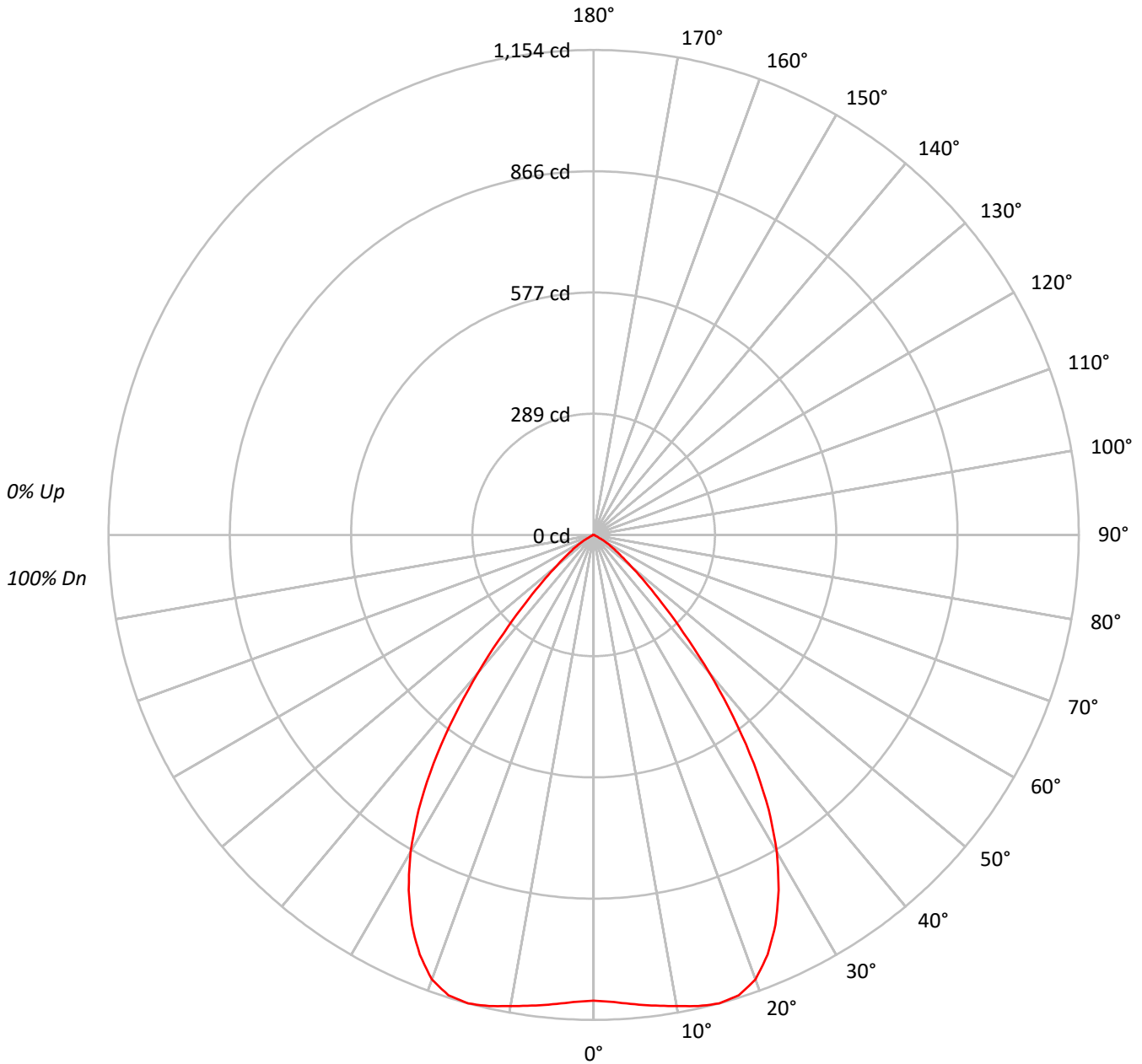
Lumens per Lamp: N/A
Luminaire Lumens: 1560.6 lumens
Efficiency: N/A
Efficacy: 116.5 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.08
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 13.4
Input Voltage (V): NR
Input Current (Ain): 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	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	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92													
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84													
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77													
4	94	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72	70													
5	89	80	73	68	87	79	73	68	77	71	67	75	70	67	73	69	66	65													
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59													
7	79	69	62	57	77	68	62	57	67	61	57	65	60	56	64	60	56	55													
8	74	64	57	53	73	63	57	53	62	56	52	61	56	52	60	55	52	50													
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47													
10	67	56	50	45	66	55	49	45	55	49	45	54	49	45	53	48	45	43													

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	546763
5°	555290
10°	570328
15°	589547
20°	590937
25°	557123
30°	496271
35°	399991
40°	274950
45°	159435
50°	88270
55°	53159
60°	28320
65°	8406
70°	2020
75°	2669
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 159435 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.5	6.9
10°-20°	324.7	20.8
20°-30°	465.8	29.9
30°-40°	408.0	26.1
40°-50°	186.4	11.9
50°-60°	58.0	3.7
60°-70°	9.3	0.6
70°-80°	0.9	0.1
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°	898.1	57.5
0°-40°	1306.0	83.7
0°-60°	1550.4	99.3
0°-90°	1560.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1560.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1108	
5°	1121	108
15°	1154	325
25°	1023	466
35°	664	408
45°	228	186
55°	62	58
65°	7	9
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1108.2
2.5°	1112.5
5°	1121.2
7.5°	1129.8
10°	1138.4
12.5°	1148.5
15°	1154.2
17.5°	1148.5
20°	1125.5
22.5°	1080.9
25°	1023.4
27.5°	953.0
30°	871.1
32.5°	774.8
35°	664.1
37.5°	544.8
40°	426.9
42.5°	316.2
45°	228.5
47.5°	163.9
50°	115.0
52.5°	83.4
55°	61.8
57.5°	44.6
60°	28.7
62.5°	12.9
65°	7.2
67.5°	2.9
70°	1.4
72.5°	1.4
75°	1.4
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)