

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: P643243

Luminaire Tested: ML5615LSVWFL759FS1E - 692H - 1200LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643243
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 - 3500K
Description: ML56 RR, 75D TIR OPTIC, 6" HAZE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

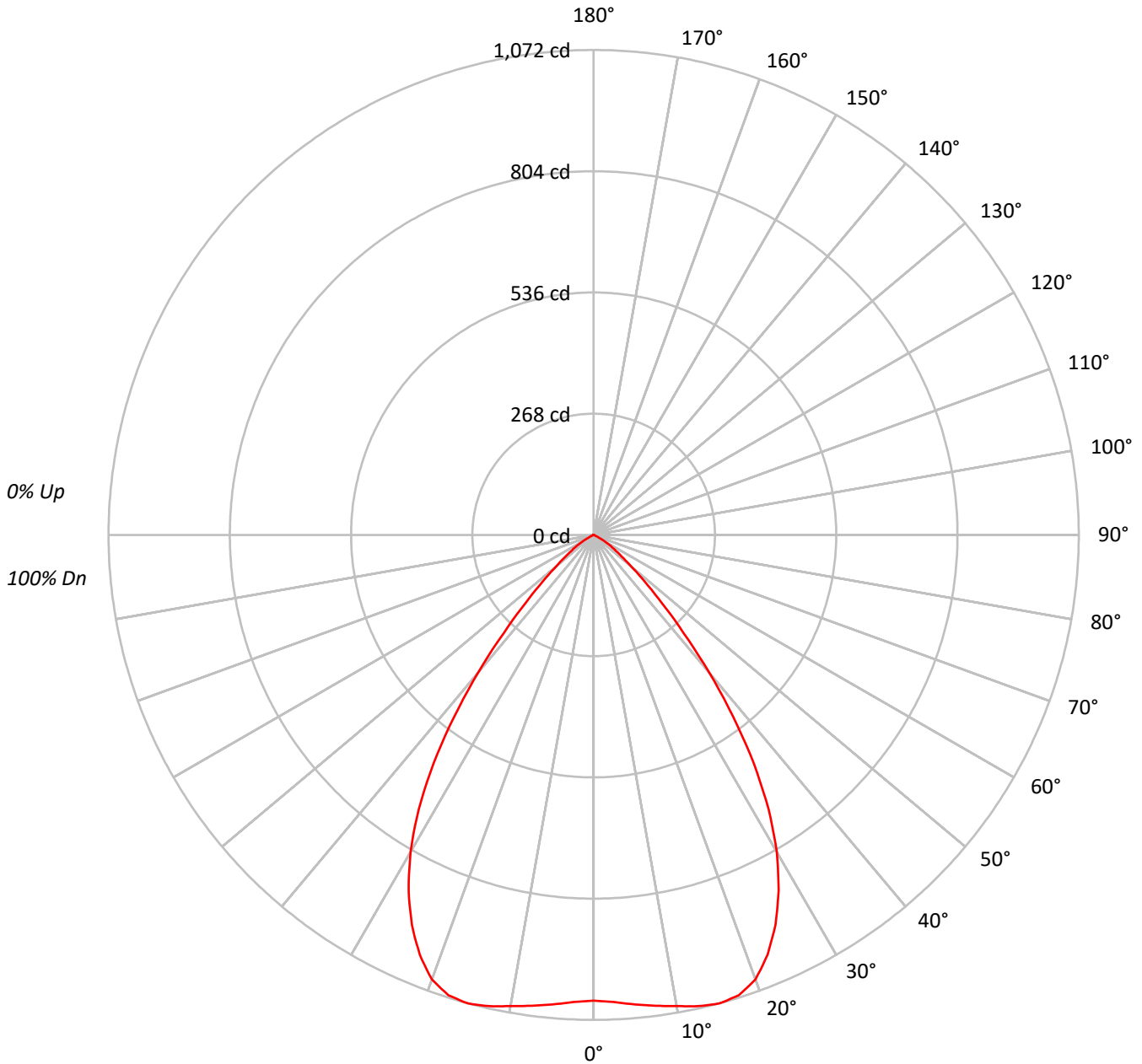
Lumens per Lamp: N/A
Luminaire Lumens: 1449.8 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.08
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 13.4
Input Voltage (V): NR
Input Current (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									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	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	98	97	96	95	94	92	92	92	92	92																
	1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92	92	92	92	92	92	92	92	92	92	92	92																
	2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84	84	81	79	77	77	77	77	77	77	77	77																
	3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77	77	77	77	77	77	77	77	77	77	77	77																
	4	94	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72	70	70	70	70	70	70	70	70	70	70	70	70																
	5	89	80	73	68	87	79	73	68	77	71	67	75	70	67	73	69	66	65	65	65	65	65	65	65	65	65	65	65	65																
	6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59	59	59	59	59	59	59	59	59	59	59	59																
	7	79	69	62	57	77	68	62	57	67	61	57	65	60	56	64	60	56	55	55	55	55	55	55	55	55	55	55	55	55																
	8	74	64	57	53	73	63	57	53	62	56	52	61	56	52	60	55	52	50	50	50	50	50	50	50	50	50	50	50	50																
	9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47	47	47	47	47	47	47	47	47	47	47	47																
	10	67	56	50	45	66	55	49	45	55	49	45	54	49	45	53	48	45	43	43	43	43	43	43	43	43	43	43	43	43																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	507984
5°	515867
10°	529848
15°	547714
20°	548986
25°	517600
30°	461063
35°	371622
40°	255435
45°	148131
50°	81976
55°	49374
60°	26346
65°	7822
70°	1875
75°	2478
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 148131 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.9	6.9
10°-20°	301.6	20.8
20°-30°	432.8	29.9
30°-40°	379.0	26.1
40°-50°	173.1	11.9
50°-60°	53.9	3.7
60°-70°	8.6	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°	834.4	57.5
0°-40°	1213.4	83.7
0°-60°	1440.3	99.3
0°-90°	1449.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1449.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1030	
5°	1042	100
15°	1072	302
25°	951	433
35°	617	379
45°	212	173
55°	57	54
65°	7	9
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1029.6
2.5°	1033.6
5°	1041.6
7.5°	1049.6
10°	1057.6
12.5°	1067.0
15°	1072.3
17.5°	1067.0
20°	1045.6
22.5°	1004.2
25°	950.8
27.5°	885.4
30°	809.3
32.5°	719.8
35°	617.0
37.5°	506.1
40°	396.6
42.5°	293.8
45°	212.3
47.5°	152.2
50°	106.8
52.5°	77.5
55°	57.4
57.5°	41.4
60°	26.7
62.5°	12.0
65°	6.7
67.5°	2.7
70°	1.3
72.5°	1.3
75°	1.3
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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