

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: P643616

Luminaire Tested: ML5615LSVWFL9FS1E - 692W - 1200LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643616
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-108)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL9FS1E - 692W - 1200LM - 2700K
Description: ML56 RR, MILKY OPTIC, 6" WHITE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1281.2 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.2
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

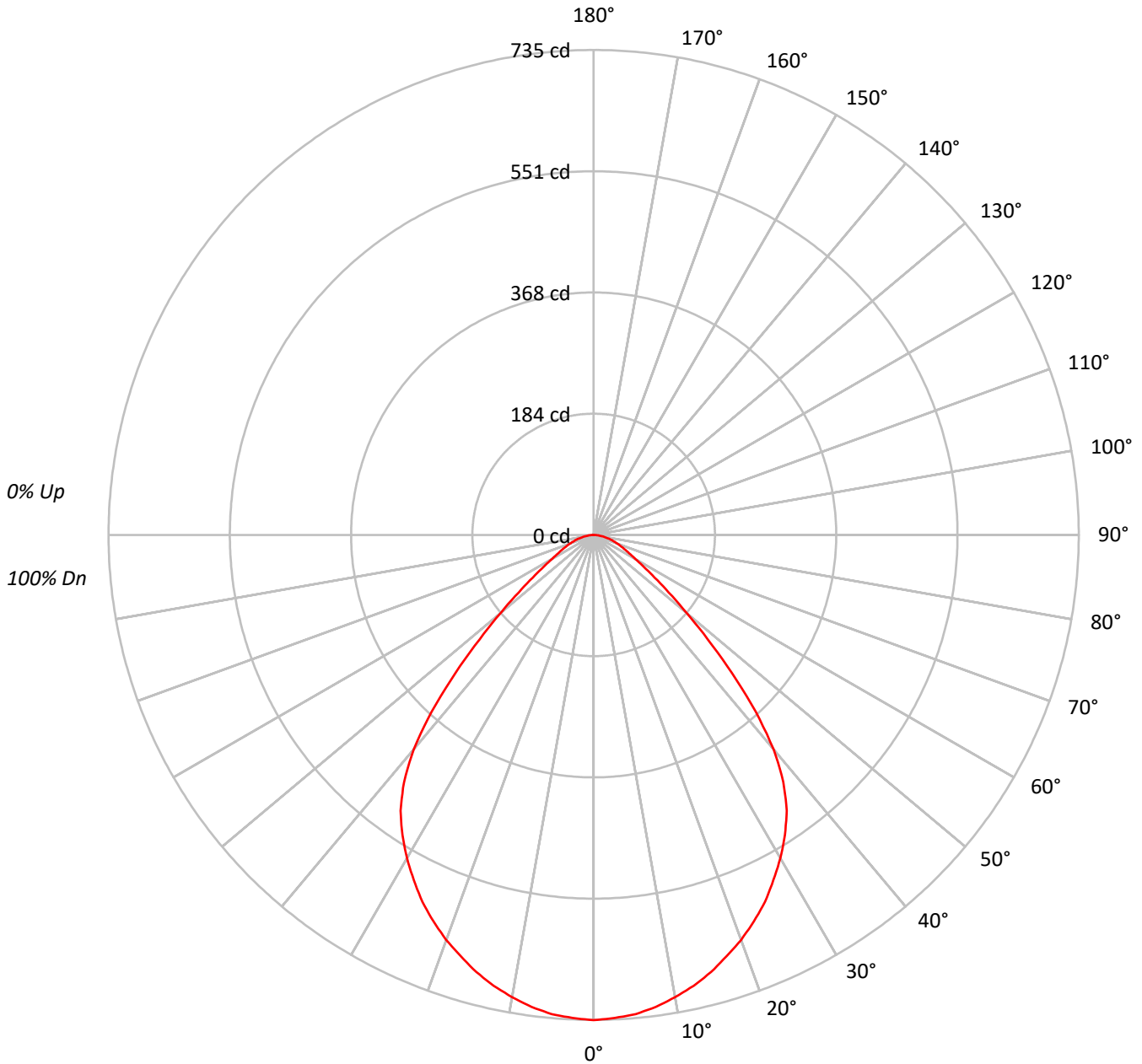
Input Watts (W): 13.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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				100															
1	111	108	105	102	109	106	103	100	101	99	97	98	96	94	94	93	91	89				89															
2	104	97	92	87	101	95	91	86	92	88	84	89	86	83	86	83	81	79				79															
3	96	88	81	76	94	87	80	76	84	79	74	81	77	73	79	75	72	70				70															
4	90	80	73	67	88	79	72	67	76	71	66	74	69	65	72	68	64	63				63															
5	84	73	65	60	82	72	65	60	70	64	59	68	63	58	66	62	58	56				56															
6	78	67	59	54	76	66	59	54	64	58	53	63	57	53	61	56	52	50				50															
7	73	61	54	49	72	61	53	48	59	53	48	58	52	48	57	51	47	46				46															
8	69	57	49	44	67	56	49	44	55	48	44	54	48	44	53	47	43	42				42															
9	64	52	45	40	63	52	45	40	51	45	40	50	44	40	49	44	40	38				38															
10	61	49	42	37	59	48	42	37	47	41	37	47	41	37	46	40	37	35				35															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	40315
5°	40117
10°	39595
15°	38933
20°	38101
25°	37133
30°	35816
35°	34137
40°	30343
45°	22964
50°	15650
55°	10762
60°	8048
65°	6732
70°	6091
75°	5634
80°	4799
85°	3963

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 22964 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	5.4
10°-20°	193.2	15.1
20°-30°	282.0	22.0
30°-40°	315.0	24.6
40°-50°	229.2	17.9
50°-60°	105.4	8.2
60°-70°	52.6	4.1
70°-80°	27.7	2.2
80°-90°	7.2	0.6
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°	544.2	42.5
0°-40°	859.1	67.1
0°-60°	1193.7	93.2
0°-90°	1281.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1281.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	735	
5°	729	69
15°	686	193
25°	614	282
35°	510	315
45°	296	229
55°	113	105
65°	52	53
75°	27	28
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	735.4
2.5°	732.8
5°	729.0
7.5°	721.5
10°	711.3
12.5°	699.9
15°	686.0
17.5°	669.6
20°	653.1
22.5°	634.1
25°	613.9
27.5°	589.8
30°	565.8
32.5°	539.2
35°	510.1
37.5°	472.1
40°	424.0
42.5°	363.3
45°	296.2
47.5°	234.2
50°	183.5
52.5°	143.0
55°	112.6
57.5°	89.9
60°	73.4
62.5°	60.8
65°	51.9
67.5°	44.3
70°	38.0
72.5°	31.6
75°	26.6
77.5°	20.3
80°	15.2
82.5°	10.1
85°	6.3
87.5°	2.5
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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