

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: P643422

Luminaire Tested: ML5615LSVWFL9FS1E - 592SC - 1200LM - 3000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643422
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-94)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL9FS1E - 592SC - 1200LM - 3000K
Description: ML56 RR, MILKY OPTIC, 5" SPECULAR CLEAR TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1315.2 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.95
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

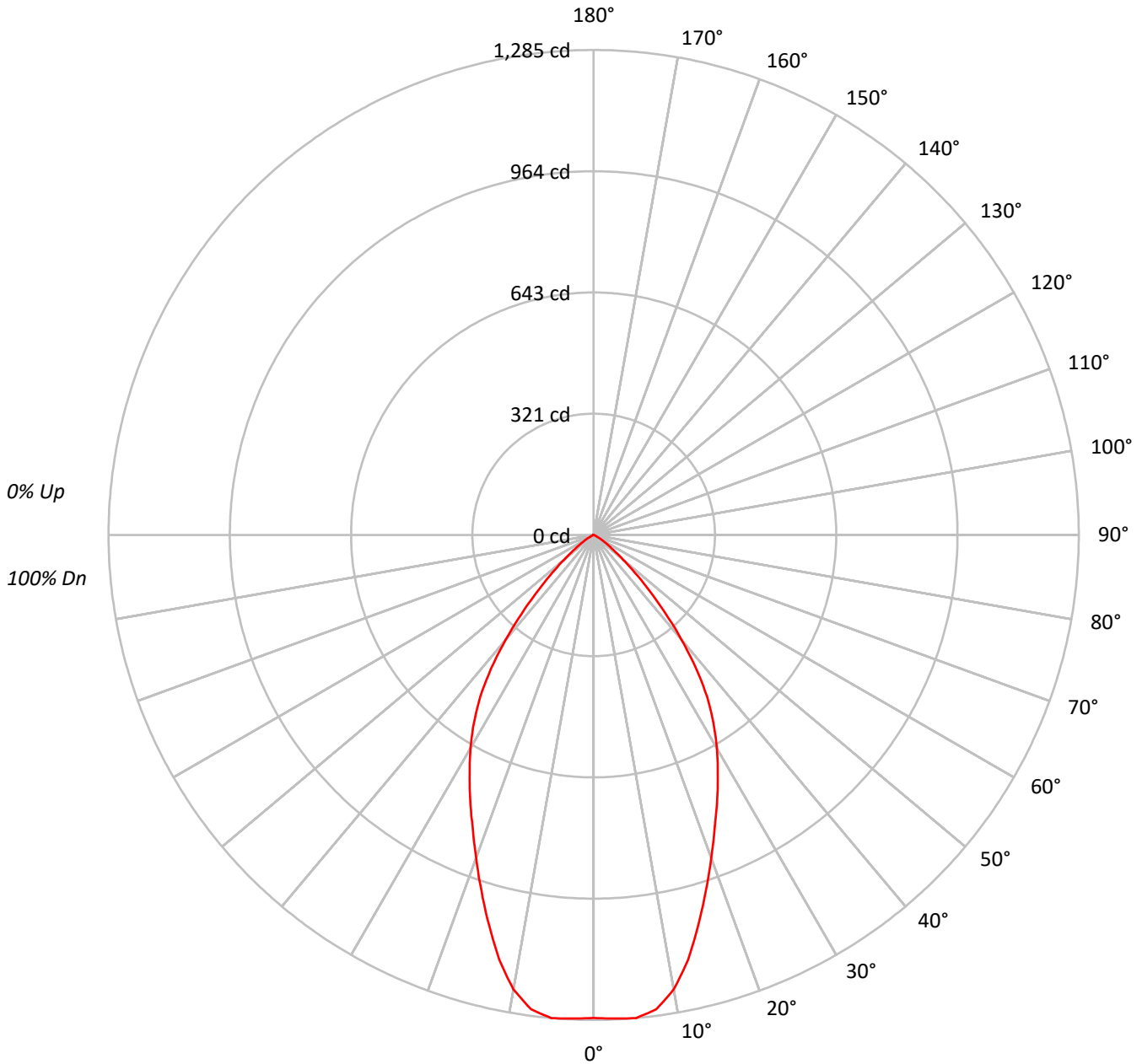
Input Watts (W): 13.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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																			
1	113	110	107	105	111	108	106	103	104	102	100	100	99	97	97	95	94	93																			
2	107	102	97	94	105	100	96	92	97	93	90	94	91	88	91	89	87	85																			
3	101	94	88	84	99	92	87	83	90	86	82	87	84	81	85	82	79	78																			
4	95	87	81	76	93	86	80	76	83	79	75	81	77	74	79	76	73	71																			
5	90	81	74	69	88	80	74	69	78	73	69	76	71	68	74	70	67	66																			
6	85	75	68	64	83	74	68	64	73	67	63	71	66	63	70	65	62	61																			
7	80	70	63	59	79	69	63	59	68	62	58	67	62	58	65	61	58	56																			
8	76	65	59	54	74	65	59	54	64	58	54	63	57	54	62	57	54	52																			
9	72	61	55	51	70	61	55	50	60	54	50	59	54	50	58	53	50	48																			
10	68	58	51	47	67	57	51	47	56	51	47	55	50	47	55	50	47	45																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	101044
5°	101842
10°	98010
15°	87487
20°	76489
25°	67417
30°	59523
35°	50517
40°	37263
45°	23087
50°	12465
55°	6262
60°	2873
65°	1214
70°	600
75°	397
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 23087 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.7	9.2
10°-20°	298.7	22.7
20°-30°	355.8	27.1
30°-40°	321.3	24.4
40°-50°	165.2	12.6
50°-60°	44.8	3.4
60°-70°	7.3	0.6
70°-80°	1.4	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°	775.2	58.9
0°-40°	1096.5	83.4
0°-60°	1306.5	99.3
0°-90°	1315.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1315.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1280	
5°	1285	121
15°	1070	299
25°	774	356
35°	524	321
45°	207	165
55°	46	45
65°	6	7
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1280.0
2.5°	1282.6
5°	1285.2
7.5°	1268.2
10°	1222.7
12.5°	1153.8
15°	1070.5
17.5°	988.6
20°	910.5
22.5°	837.7
25°	774.0
27.5°	711.5
30°	653.0
32.5°	590.5
35°	524.2
37.5°	446.2
40°	361.6
42.5°	281.0
45°	206.8
47.5°	148.3
50°	101.5
52.5°	67.6
55°	45.5
57.5°	29.9
60°	18.2
62.5°	10.4
65°	6.5
67.5°	2.6
70°	2.6
72.5°	1.3
75°	1.3
77.5°	1.3
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)