

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P643501

Luminaire Tested: ML5615LSVWFL9FS1E - 593WB - 1500LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643501
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-97)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL9FS1E - 593WB - 1500LM - 2700K
Description: ML56 RR, MILKY OPTIC, 5" WHITE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

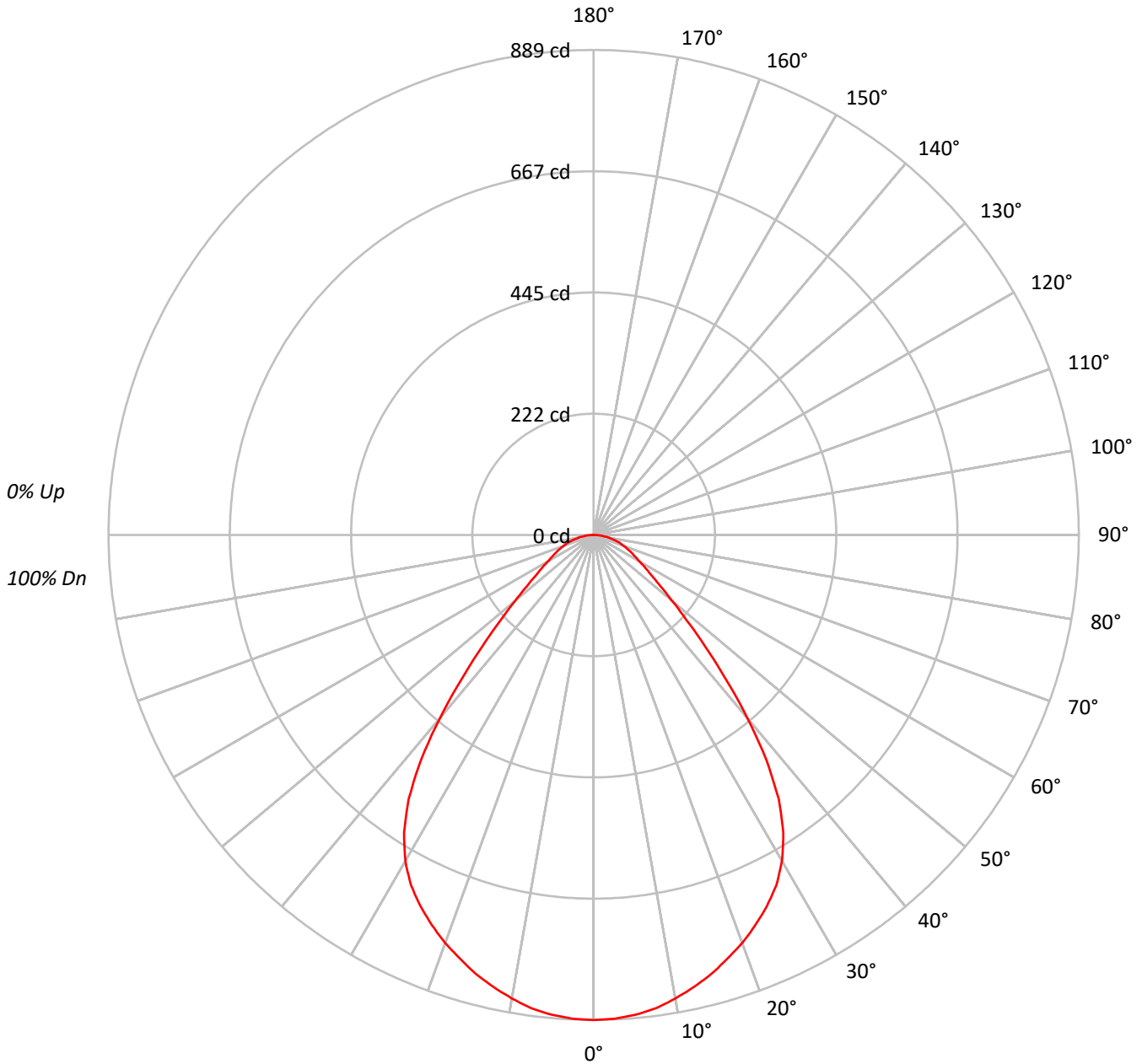
Lumens per Lamp: N/A
Luminaire Lumens: 1506.4 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.14
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 17.1
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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89																			
2	103	97	91	87	101	95	90	86	92	87	84	88	85	82	86	83	80	78																			
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	69																			
4	90	80	72	67	87	78	72	66	76	70	66	74	69	65	72	67	64	62																			
5	84	73	65	60	82	72	65	59	70	63	59	68	62	58	66	61	58	56																			
6	78	67	59	54	76	66	59	53	64	58	53	63	57	53	61	56	52	50																			
7	73	61	54	49	72	61	54	48	59	53	48	58	52	48	57	51	48	46																			
8	69	57	49	44	67	56	49	44	55	49	44	54	48	44	53	47	43	42																			
9	65	53	45	41	63	52	45	41	51	45	40	50	44	40	49	44	40	38																			
10	61	49	42	37	60	49	42	37	48	41	37	47	41	37	46	41	37	35																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	70202
5°	69971
10°	69161
15°	68102
20°	66870
25°	65405
30°	62923
35°	56935
40°	45177
45°	32107
50°	22916
55°	17754
60°	15220
65°	14233
70°	13641
75°	13268
80°	12729
85°	11231

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 32107 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.7	5.6
10°-20°	234.7	15.6
20°-30°	344.9	22.9
30°-40°	361.4	24.0
40°-50°	227.3	15.1
50°-60°	119.5	7.9
60°-70°	75.8	5.0
70°-80°	45.5	3.0
80°-90°	13.5	0.9
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°	663.3	44.0
0°-40°	1024.8	68.0
0°-60°	1371.6	91.0
0°-90°	1506.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1506.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	889	
5°	883	84
15°	833	235
25°	751	345
35°	591	361
45°	288	227
55°	129	120
65°	76	76
75°	44	46
85°	12	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	889.3
2.5°	887.7
5°	883.0
7.5°	875.3
10°	862.8
12.5°	848.8
15°	833.3
17.5°	814.6
20°	796.0
22.5°	774.2
25°	750.9
27.5°	724.5
30°	690.3
32.5°	646.7
35°	590.8
37.5°	519.3
40°	438.4
42.5°	357.6
45°	287.6
47.5°	230.1
50°	186.6
52.5°	153.9
55°	129.0
57.5°	111.9
60°	96.4
62.5°	85.5
65°	76.2
67.5°	66.9
70°	59.1
72.5°	51.3
75°	43.5
77.5°	34.2
80°	28.0
82.5°	18.7
85°	12.4
87.5°	4.7
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)