

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: P643516

Luminaire Tested: ML5615LSVWFL9FS1E - 594SNB - 1500LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643516
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-102)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL9FS1E - 594SNB - 1500LM - 2700K
Description: ML56 RR, MILKY OPTIC, 5" SATIN NICKLE GIMBAL TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

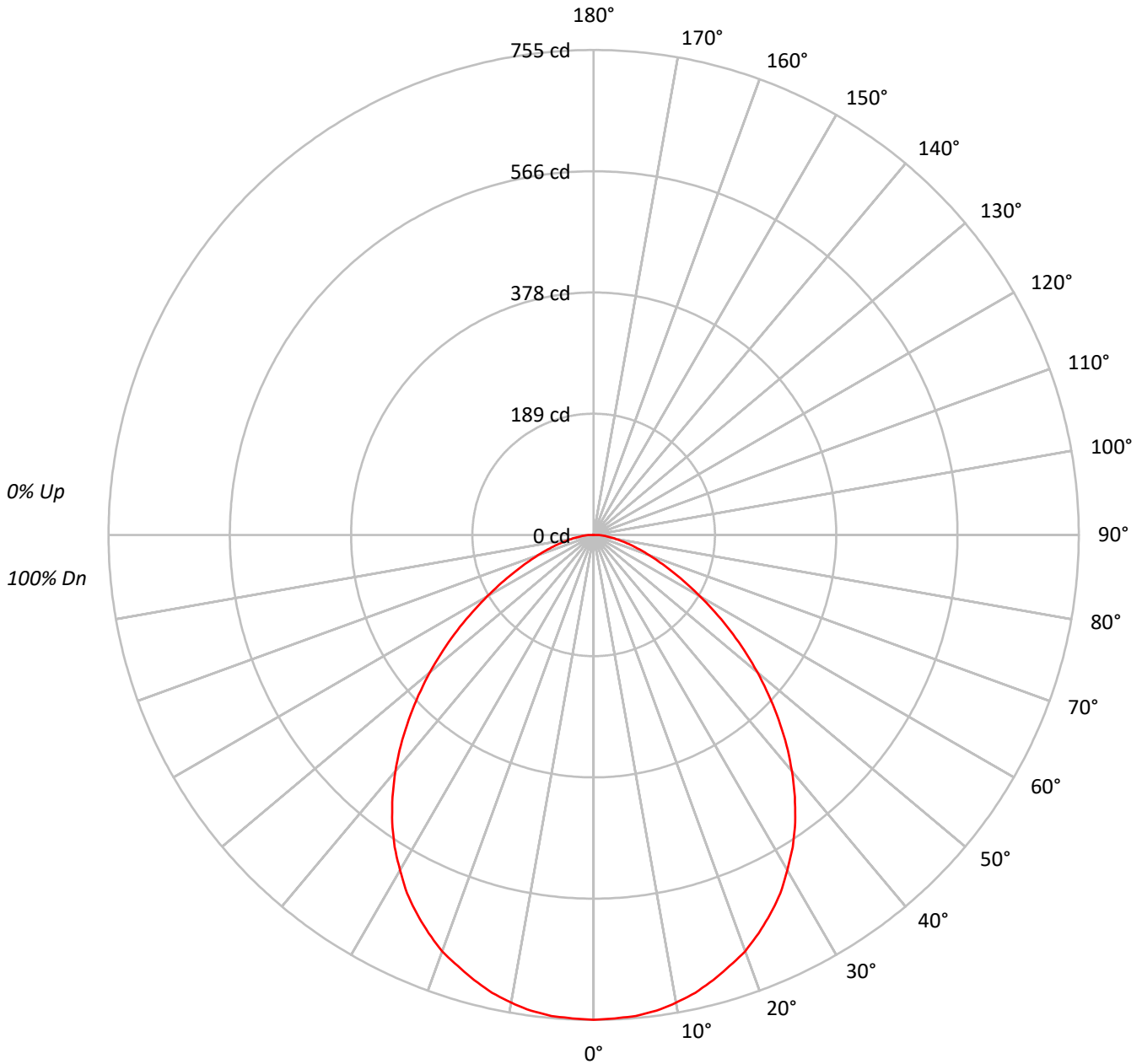
Lumens per Lamp: N/A
Luminaire Lumens: 1677.8 lumens
Efficiency: N/A
Efficacy: 98.1 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.26
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

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					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	0					
RCR																										
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100				
1	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87				87				
2	101	94	88	83	99	92	87	82	89	84	80	85	82	78	83	79	76	74				74				
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64				64				
4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56				56				
5	80	68	59	53	78	67	59	53	65	58	52	63	57	52	61	56	51	49				49				
6	74	61	53	47	72	60	53	47	59	52	46	57	51	46	56	50	46	44				44				
7	69	56	48	42	67	55	47	42	54	47	42	52	46	41	51	45	41	39				39				
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35				35				
9	60	47	39	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32				32				
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	41	35	31	29				29				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	59592
5°	59574
10°	59269
15°	58646
20°	57940
25°	56694
30°	54938
35°	52695
40°	49464
45°	45437
50°	40822
55°	35701
60°	30171
65°	25235
70°	21142
75°	17995
80°	15547
85°	15488

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 45437 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.4	4.3
10°-20°	202.4	12.1
20°-30°	299.4	17.8
30°-40°	340.6	20.3
40°-50°	313.5	18.7
50°-60°	232.0	13.8
60°-70°	135.8	8.1
70°-80°	63.6	3.8
80°-90°	19.1	1.1
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°	573.1	34.2
0°-40°	913.8	54.5
0°-60°	1459.3	87.0
0°-90°	1677.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1677.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	755	
5°	752	71
15°	718	202
25°	651	299
35°	547	341
45°	407	313
55°	259	232
65°	135	136
75°	59	64
85°	17	19
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	754.9
2.5°	753.4
5°	751.8
7.5°	747.2
10°	739.4
12.5°	730.1
15°	717.6
17.5°	703.7
20°	689.7
22.5°	671.0
25°	650.9
27.5°	629.1
30°	602.7
32.5°	576.3
35°	546.8
37.5°	514.2
40°	480.0
42.5°	444.3
45°	407.0
47.5°	369.7
50°	332.4
52.5°	295.1
55°	259.4
57.5°	223.7
60°	191.1
62.5°	161.5
65°	135.1
67.5°	111.8
70°	91.6
72.5°	74.6
75°	59.0
77.5°	45.0
80°	34.2
82.5°	24.9
85°	17.1
87.5°	10.9
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)