

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: P643491

Luminaire Tested: ML5615LSVWFL9FS1E - 593TBZB - 900LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643491
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-100)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL9FS1E - 593TBZB - 900LM - 2700K
Description: ML56 RR, MILKY OPTIC, 5" TUSCON BRONZE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

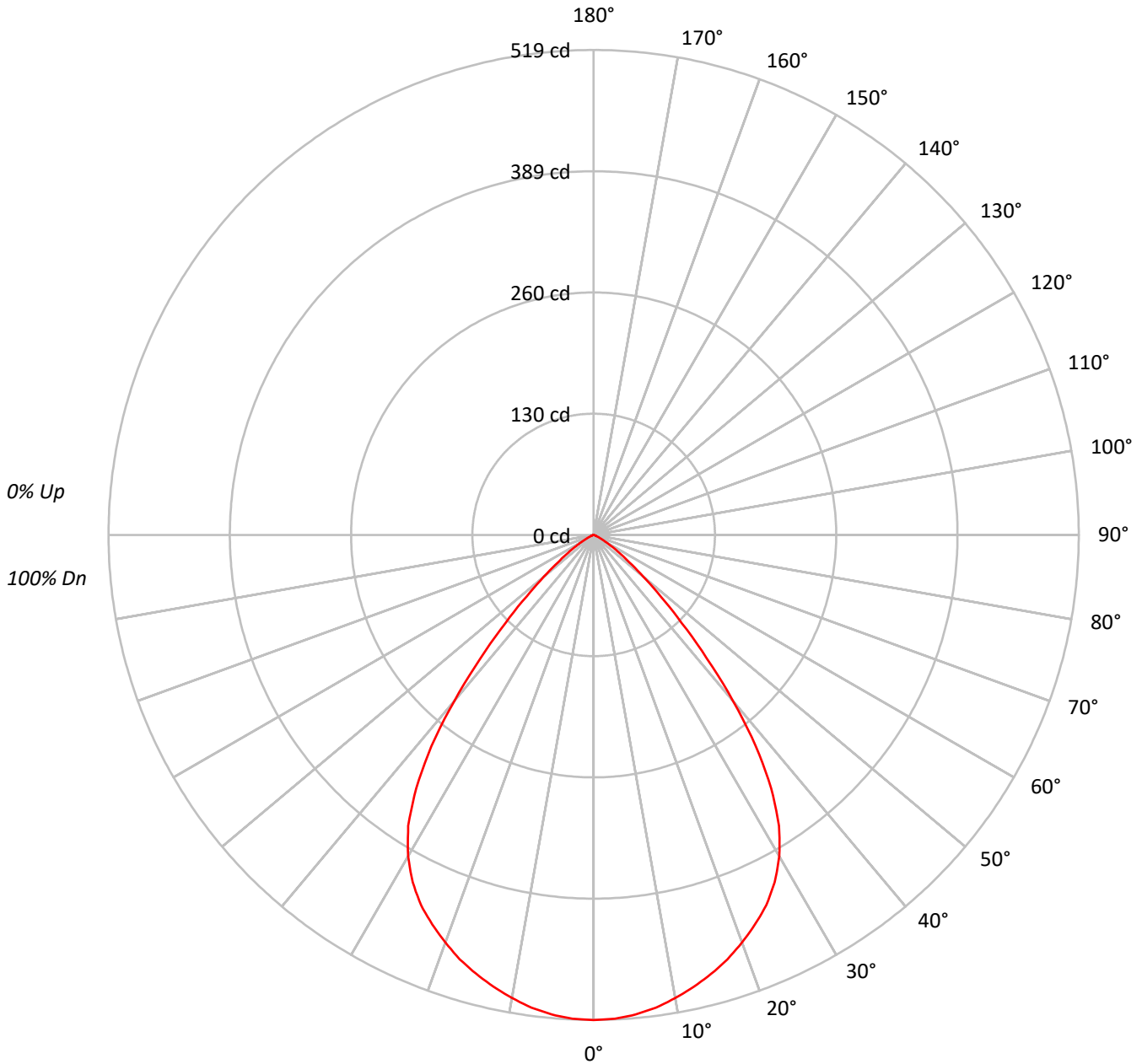
Lumens per Lamp: N/A
Luminaire Lumens: 734.0 lumens
Efficiency: N/A
Efficacy: 69.9 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.12
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 10.5
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	113	110	107	104	110	107	105	103	103	101	100	100	98	97	96	95	94	92			92																
2	106	101	96	92	104	99	95	91	96	92	89	92	90	87	90	87	85	84			84																
3	100	92	87	82	98	91	86	81	88	84	80	86	82	79	83	80	78	76			76																
4	94	85	79	74	92	84	78	73	81	76	72	79	75	71	77	74	71	69			69																
5	88	78	72	67	86	77	71	66	75	70	66	74	69	65	72	68	64	63			63																
6	83	72	65	61	81	71	65	60	70	64	60	68	63	59	67	62	59	57			57																
7	78	67	60	55	76	66	60	55	65	59	55	64	58	54	62	58	54	53			53																
8	73	62	55	51	72	62	55	51	60	55	50	59	54	50	58	53	50	48			48																
9	69	58	51	47	68	57	51	47	56	51	46	55	50	46	55	50	46	45			45																
10	65	54	48	43	64	54	47	43	53	47	43	52	47	43	51	46	43	41			41																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	40986
5°	40826
10°	40336
15°	39735
20°	38996
25°	38081
30°	36206
35°	31908
40°	23918
45°	14859
50°	8474
55°	4542
60°	2210
65°	934
70°	462
75°	305
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14859 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.8	6.6
10°-20°	137.0	18.7
20°-30°	200.3	27.3
30°-40°	202.1	27.5
40°-50°	106.6	14.5
50°-60°	31.9	4.4
60°-70°	6.1	0.8
70°-80°	1.1	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°	386.1	52.6
0°-40°	588.2	80.1
0°-60°	726.8	99.0
0°-90°	734.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	734.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	519	
5°	515	49
15°	486	137
25°	437	200
35°	331	202
45°	133	107
55°	33	32
65°	5	6
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	519.2
2.5°	518.2
5°	515.2
7.5°	510.2
10°	503.2
12.5°	495.2
15°	486.2
17.5°	476.2
20°	464.2
22.5°	451.2
25°	437.2
27.5°	419.2
30°	397.2
32.5°	369.2
35°	331.1
37.5°	285.1
40°	232.1
42.5°	179.1
45°	133.1
47.5°	97.0
50°	69.0
52.5°	48.0
55°	33.0
57.5°	22.0
60°	14.0
62.5°	9.0
65°	5.0
67.5°	3.0
70°	2.0
72.5°	1.0
75°	1.0
77.5°	1.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)