

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: P641675

Luminaire Tested: ML5612LSVWFL97FS1E - 593TBZB - 600LM - 5000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641675
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: ML5612LSVWFL97FS1E - 593TBZB - 600LM - 5000K
Description: ML56 RR, MILKY OPTIC, 5" TUSCON BRONZE BAFFLE TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

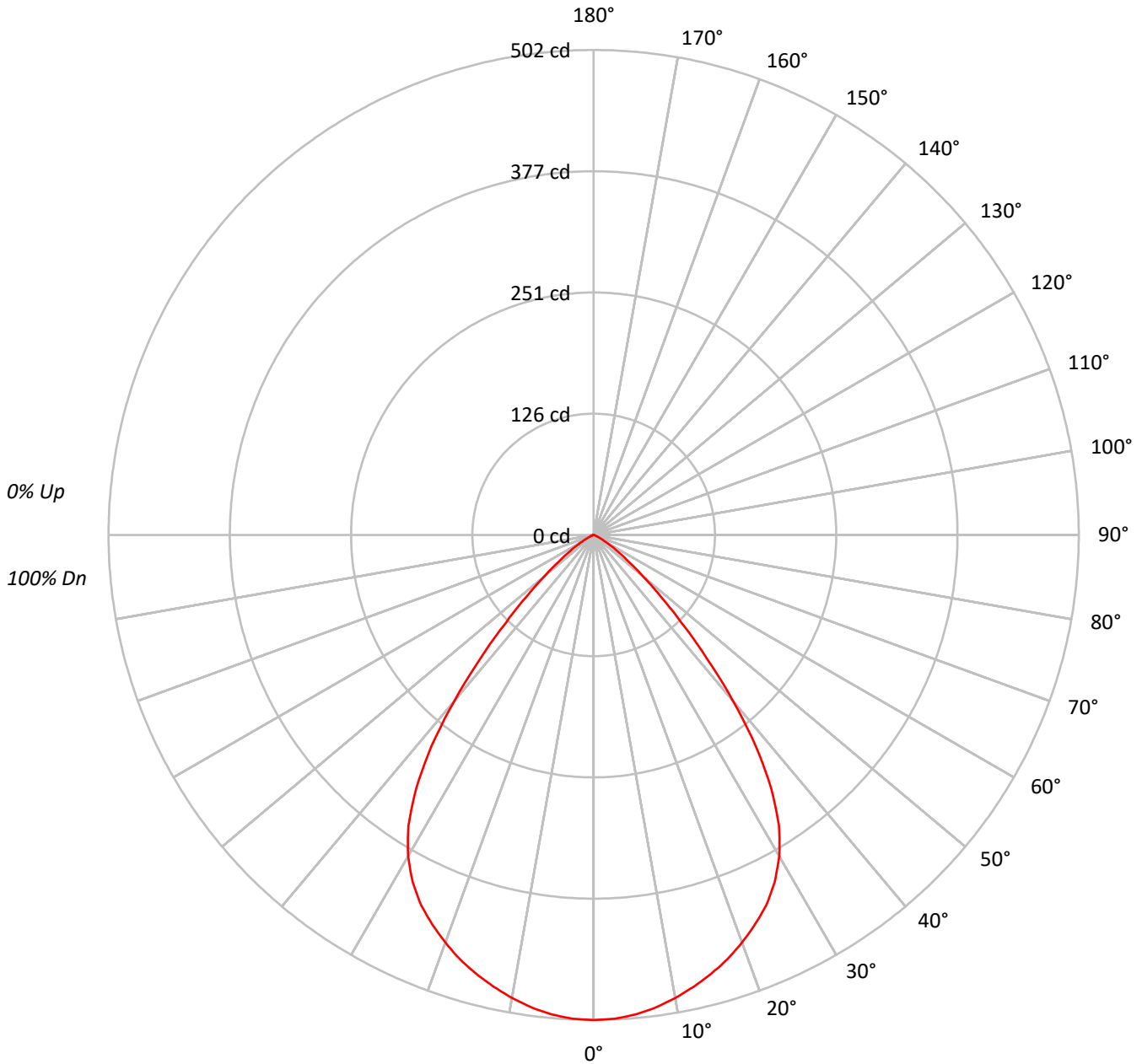
Lumens per Lamp: N/A
Luminaire Lumens: 709.9 lumens
Efficiency: N/A
Efficacy: 68.9 lumens/watt
Spacing Criteria (0/90/45): 1.15 / 1.15 / 1.12
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 10.3
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	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	104	110	107	105	103	103	101	100		100	98	97		96	95	94	92
2	106	101	96	92	104	99	95	91	96	92	89		92	90	87		90	87	85	84
3	100	92	87	82	98	91	86	81	88	84	80		86	82	79		83	80	78	76
4	94	85	79	74	92	84	78	73	81	76	72		79	75	71		77	74	71	69
5	88	78	72	67	86	77	71	66	75	70	66		74	69	65		72	68	64	63
6	83	72	65	61	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	53
8	73	62	55	51	72	62	55	51	60	55	50		59	54	50		58	53	50	48
9	69	58	51	47	68	57	51	47	56	51	46		55	50	46		55	50	46	45
10	65	54	48	43	64	54	47	43	53	47	43		52	47	43		51	46	43	41

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	39644
5°	39487
10°	39013
15°	38427
20°	37711
25°	36827
30°	35012
35°	30867
40°	23135
45°	14368
50°	8204
55°	4390
60°	2131
65°	897
70°	439
75°	305
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14368 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.2	6.6
10°-20°	132.5	18.7
20°-30°	193.7	27.3
30°-40°	195.5	27.5
40°-50°	103.2	14.5
50°-60°	30.9	4.4
60°-70°	5.9	0.8
70°-80°	1.0	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°	373.4	52.6
0°-40°	568.9	80.1
0°-60°	702.9	99.0
0°-90°	709.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	709.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	502	
5°	498	47
15°	470	133
25°	423	194
35°	320	195
45°	129	103
55°	32	31
65°	5	6
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	502.2
2.5°	501.2
5°	498.3
7.5°	493.4
10°	486.7
12.5°	478.9
15°	470.2
17.5°	460.5
20°	448.9
22.5°	436.4
25°	422.8
27.5°	405.4
30°	384.1
32.5°	357.0
35°	320.3
37.5°	275.7
40°	224.5
42.5°	173.2
45°	128.7
47.5°	93.9
50°	66.8
52.5°	46.4
55°	31.9
57.5°	21.3
60°	13.5
62.5°	8.7
65°	4.8
67.5°	2.9
70°	1.9
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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