

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: P641883

Luminaire Tested: ML5612LSVWFL97FS1E - 694TBZB - 600LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641883
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-114)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSVWFL97FS1E - 694TBZB - 600LM - 3500K
Description: ML56 RR, MILKY OPTIC, 6" TUSCON BRONZE GIMBAL TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

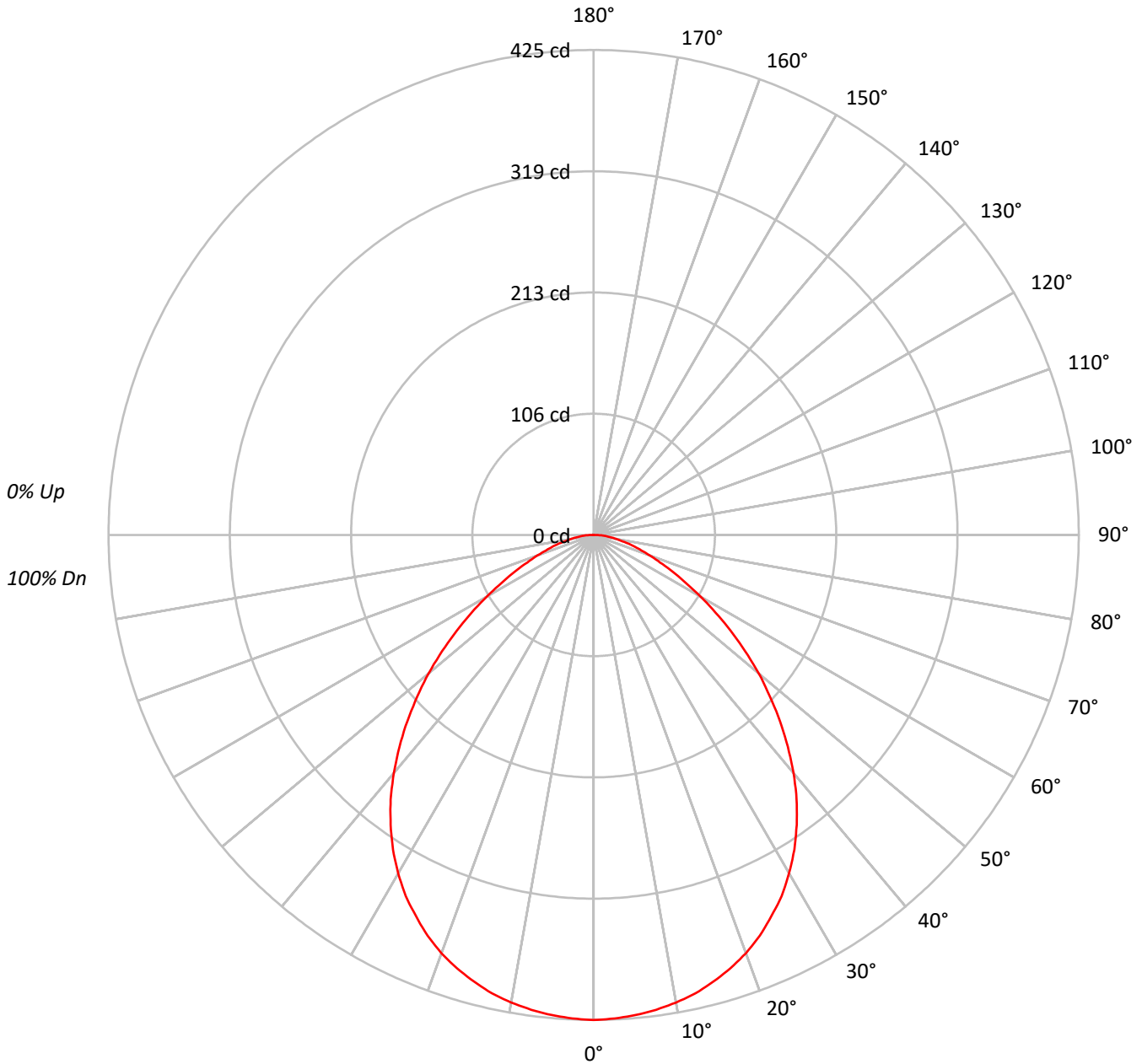
Lumens per Lamp: N/A
Luminaire Lumens: 950.7 lumens
Efficiency: N/A
Efficacy: 92.3 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.27
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
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	110	106	102	99	107	104	100	97	100	97	94	96	93	91	92	90	89	87																			
2	101	94	88	83	99	92	87	82	89	84	80	85	82	78	82	79	76	74																			
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64																			
4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56																			
5	80	68	59	53	78	67	59	53	64	58	52	63	57	52	61	56	51	49																			
6	74	61	53	47	72	60	53	47	59	52	46	57	51	46	56	50	46	44																			
7	69	56	48	42	67	55	47	42	54	47	41	52	46	41	51	45	41	39																			
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35																			
9	60	47	39	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32																			
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	23304
5°	23244
10°	23163
15°	23002
20°	22758
25°	22290
30°	21674
35°	20753
40°	19487
45°	17909
50°	16093
55°	14002
60°	11830
65°	9910
70°	8351
75°	7244
80°	6251
85°	6227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17909 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.1	4.2
10°-20°	114.3	12.0
20°-30°	169.7	17.8
30°-40°	193.4	20.3
40°-50°	177.7	18.7
50°-60°	131.3	13.8
60°-70°	76.6	8.1
70°-80°	36.5	3.8
80°-90°	11.0	1.2
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°	324.1	34.1
0°-40°	517.5	54.4
0°-60°	826.5	86.9
0°-90°	950.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	950.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	425	
5°	422	40
15°	405	114
25°	368	170
35°	310	193
45°	231	178
55°	146	131
65°	76	77
75°	34	36
85°	10	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	425.1
2.5°	424.2
5°	422.4
7.5°	419.7
10°	416.1
12.5°	411.6
15°	405.3
17.5°	398.2
20°	390.1
22.5°	380.2
25°	368.5
27.5°	356.8
30°	342.4
32.5°	327.2
35°	310.1
37.5°	292.1
40°	272.3
42.5°	251.7
45°	231.0
47.5°	209.4
50°	188.7
52.5°	167.2
55°	146.5
57.5°	126.7
60°	107.9
62.5°	90.8
65°	76.4
67.5°	62.9
70°	52.1
72.5°	42.2
75°	34.2
77.5°	26.1
80°	19.8
82.5°	14.4
85°	9.9
87.5°	6.3
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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