

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: P641697

Luminaire Tested: ML5612LSVWFL97FS1E - 594SNB - 1200LM - 3000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641697
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: ML5612LSVWFL97FS1E - 594SNB - 1200LM - 3000K
Description: ML56 RR, MILKY OPTIC, 5" SATIN NICKLE GIMBAL TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1465.8 lumens
Efficiency: N/A
Efficacy: 88.8 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

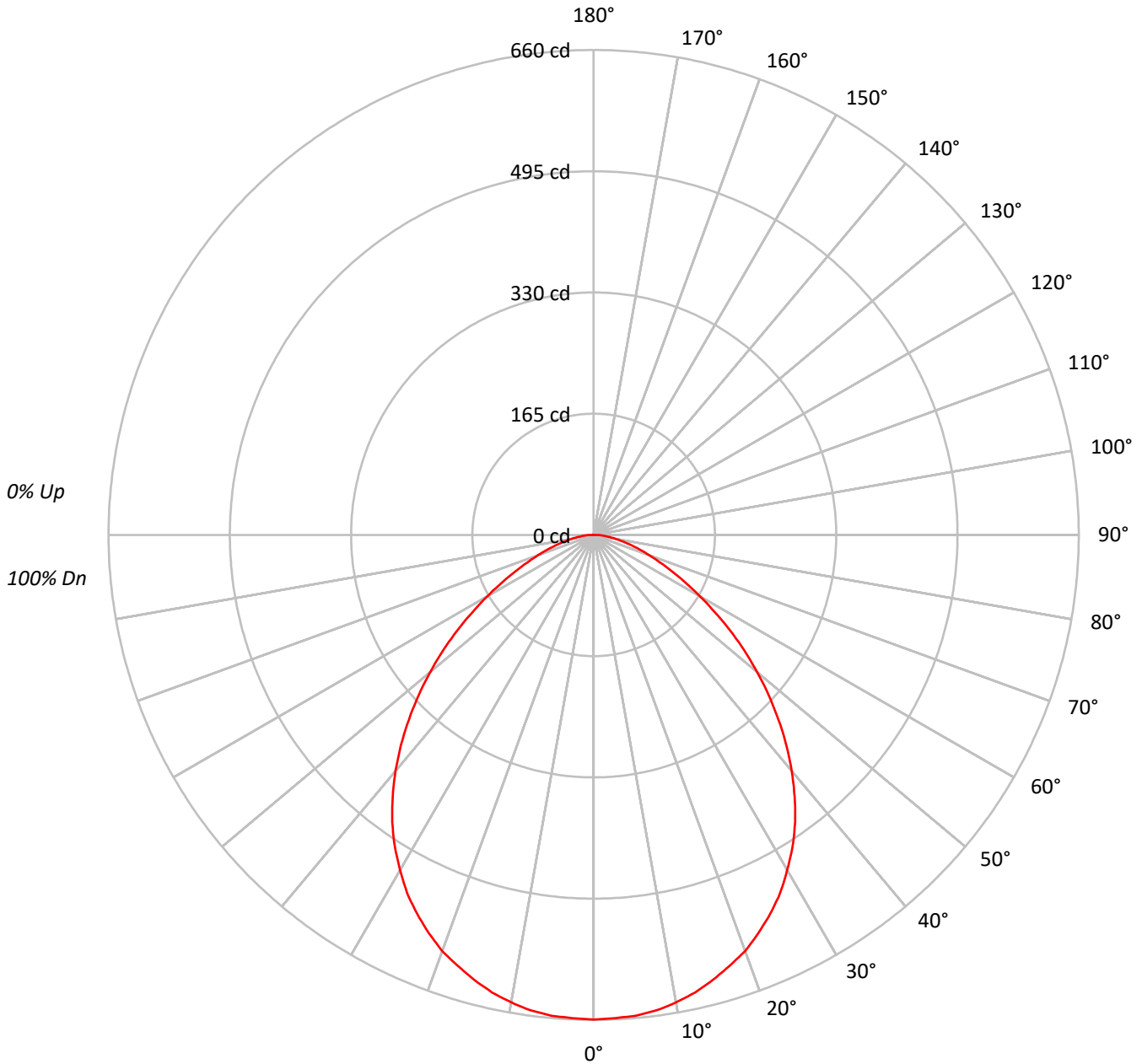
Input Watts (W): 16.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	108	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	83	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	65	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	42	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	41	35	31	29																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	52069
5°	52046
10°	51783
15°	51242
20°	50623
25°	49526
30°	48001
35°	46036
40°	43209
45°	39699
50°	35664
55°	31187
60°	26350
65°	22060
70°	18488
75°	15738
80°	13593
85°	13496

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 39699 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.4	4.3
10°-20°	176.8	12.1
20°-30°	261.6	17.8
30°-40°	297.6	20.3
40°-50°	273.9	18.7
50°-60°	202.7	13.8
60°-70°	118.7	8.1
70°-80°	55.6	3.8
80°-90°	16.6	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°	500.7	34.2
0°-40°	798.3	54.5
0°-60°	1274.9	87.0
0°-90°	1465.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1465.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	660	
5°	657	62
15°	627	177
25°	569	262
35°	478	298
45°	356	274
55°	227	203
65°	118	119
75°	52	56
85°	15	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	659.6
2.5°	658.2
5°	656.8
7.5°	652.8
10°	646.0
12.5°	637.8
15°	627.0
17.5°	614.8
20°	602.6
22.5°	586.3
25°	568.6
27.5°	549.6
30°	526.6
32.5°	503.5
35°	477.7
37.5°	449.2
40°	419.3
42.5°	388.1
45°	355.6
47.5°	323.0
50°	290.4
52.5°	257.9
55°	226.6
57.5°	195.4
60°	166.9
62.5°	141.1
65°	118.1
67.5°	97.7
70°	80.1
72.5°	65.1
75°	51.6
77.5°	39.4
80°	29.9
82.5°	21.7
85°	14.9
87.5°	9.5
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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(END OF REPORT)