

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: P641903

Luminaire Tested: ML5612LSVWFL97FS1E - 694WB - 900LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641903
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-113)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSVWFL97FS1E - 694WB - 900LM - 3500K
Description: ML56 RR, MILKY OPTIC, 6" WHITE GIMBAL TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

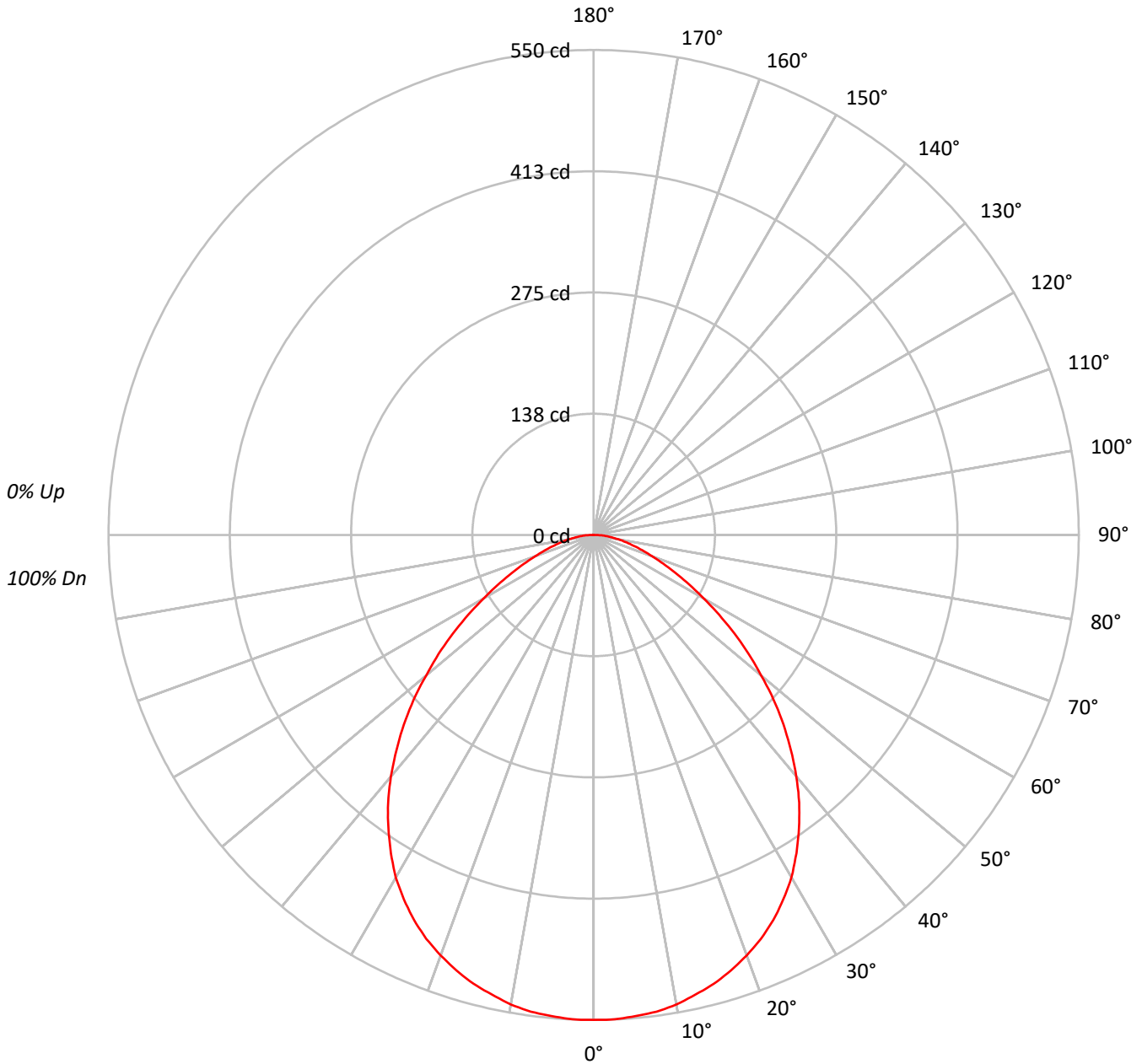
Lumens per Lamp: N/A
Luminaire Lumens: 1251.9 lumens
Efficiency: N/A
Efficacy: 94.1 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.28
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 13.3
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	99	97	94	96	93	91	92	90	88	86																			
2	101	94	88	83	99	92	86	82	88	84	80	85	81	78	82	79	76	74																			
3	93	83	76	70	91	82	75	70	79	73	68	76	71	67	74	70	66	64																			
4	86	75	67	61	84	73	66	60	71	64	59	69	63	59	67	62	58	56																			
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49																			
6	74	61	53	47	72	60	52	46	58	51	46	57	51	46	55	50	45	43																			
7	68	56	47	42	67	55	47	41	53	46	41	52	46	41	51	45	41	39																			
8	64	51	43	37	62	50	43	37	49	42	37	48	42	37	47	41	37	35																			
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	38	33	32																			
10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	35	30	29																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	30151
5°	30140
10°	30104
15°	29909
20°	29601
25°	29155
30°	28397
35°	27164
40°	25584
45°	23599
50°	21142
55°	18628
60°	15799
65°	13309
70°	11268
75°	9764
80°	8745
85°	8680

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 23599 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.1	4.2
10°-20°	148.5	11.9
20°-30°	221.6	17.7
30°-40°	253.2	20.2
40°-50°	234.0	18.7
50°-60°	174.2	13.9
60°-70°	103.1	8.2
70°-80°	50.0	4.0
80°-90°	15.1	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°	422.2	33.7
0°-40°	675.4	54.0
0°-60°	1083.7	86.6
0°-90°	1251.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1251.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	550	
5°	548	52
15°	527	149
25°	482	222
35°	406	253
45°	304	234
55°	195	174
65°	103	103
75°	46	50
85°	14	15
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	550.0
2.5°	550.0
5°	547.7
7.5°	545.4
10°	540.8
12.5°	533.9
15°	527.0
17.5°	517.8
20°	507.4
22.5°	495.8
25°	482.0
27.5°	465.9
30°	448.6
32.5°	427.8
35°	405.9
37.5°	382.8
40°	357.5
42.5°	330.9
45°	304.4
47.5°	276.8
50°	247.9
52.5°	221.4
55°	194.9
57.5°	168.4
60°	144.1
62.5°	122.2
65°	102.6
67.5°	85.3
70°	70.3
72.5°	57.7
75°	46.1
77.5°	36.9
80°	27.7
82.5°	19.6
85°	13.8
87.5°	8.1
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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