

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: P641707

Luminaire Tested: ML5612LSVWFL97FS1E - 594SNB - 900LM - 3000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641707
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 - 900LM - 3000K
Description: ML56 RR, MILKY OPTIC, 5" SATIN NICKLE GIMBAL TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

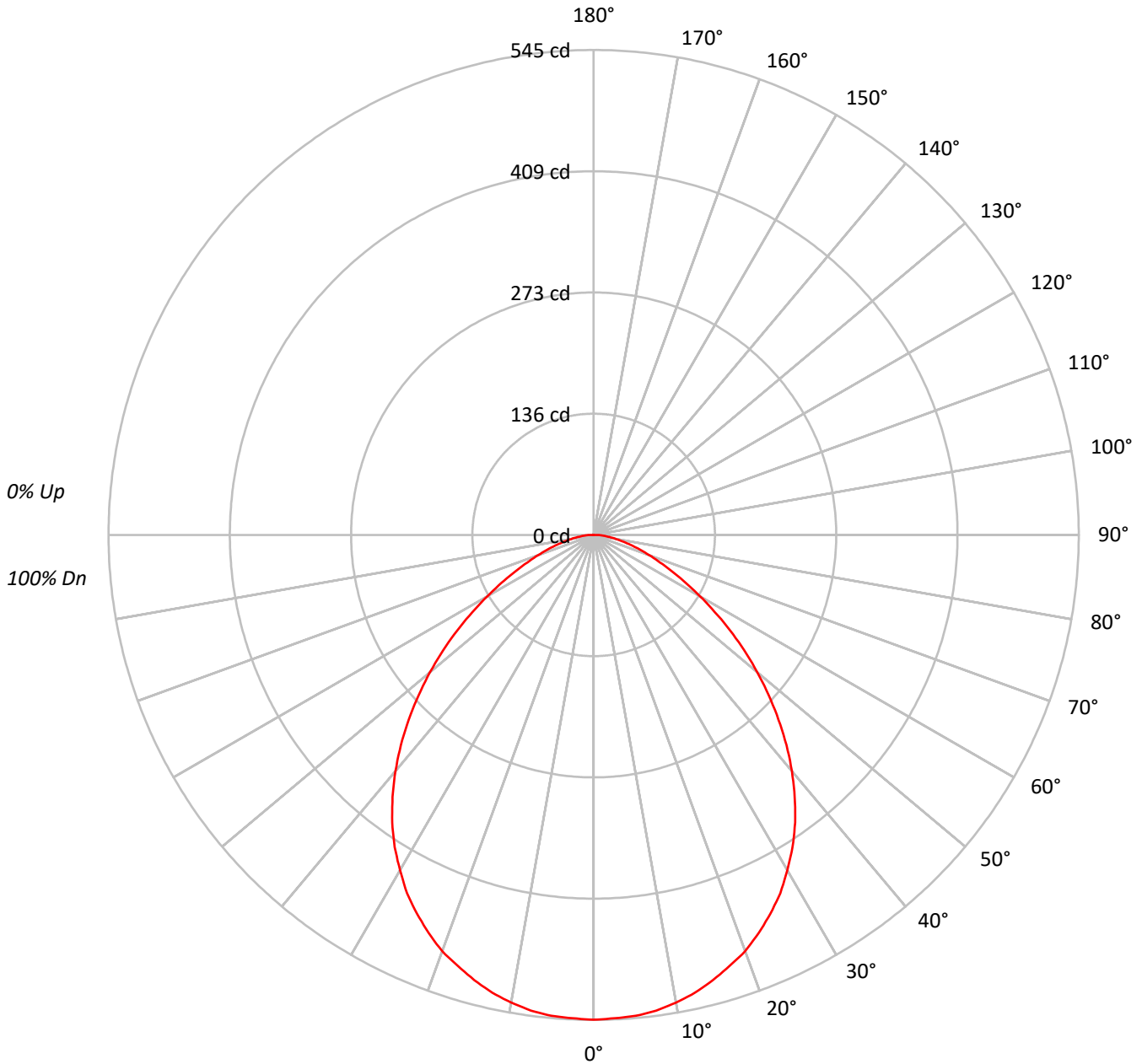
Lumens per Lamp: N/A
Luminaire Lumens: 1210.8 lumens
Efficiency: N/A
Efficacy: 91.0 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.26
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 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				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	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	110	106	102	99	108	104	100	97	100	97	94	96	93	91	92	90	89	87			87
2	101	94	88	83	99	92	87	82	89	84	80	85	82	78	83	79	76	74			74
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64			64
4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56			56
5	80	68	59	53	78	67	59	53	65	58	52	63	57	52	61	56	51	49			49
6	74	61	53	47	72	60	53	47	59	52	46	57	51	46	56	50	46	44			44
7	69	56	48	42	67	55	47	42	54	47	42	52	46	41	51	45	41	39			39
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35			35
9	60	47	39	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32			32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	41	35	31	29			29

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	43007
5°	42997
10°	42773
15°	42326
20°	41819
25°	40912
30°	39652
35°	38027
40°	35697
45°	32788
50°	29462
55°	25764
60°	21772
65°	18212
70°	15256
75°	12993
80°	11229
85°	11141

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 32788 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.5	4.3
10°-20°	146.0	12.1
20°-30°	216.1	17.8
30°-40°	245.8	20.3
40°-50°	226.2	18.7
50°-60°	167.5	13.8
60°-70°	98.0	8.1
70°-80°	45.9	3.8
80°-90°	13.7	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°	413.6	34.2
0°-40°	659.4	54.5
0°-60°	1053.1	87.0
0°-90°	1210.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1210.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	545	
5°	543	52
15°	518	146
25°	470	216
35°	395	246
45°	294	226
55°	187	167
65°	98	98
75°	43	46
85°	12	14
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	544.8
2.5°	543.7
5°	542.6
7.5°	539.2
10°	533.6
12.5°	526.9
15°	517.9
17.5°	507.8
20°	497.8
22.5°	484.3
25°	469.7
27.5°	454.0
30°	435.0
32.5°	415.9
35°	394.6
37.5°	371.1
40°	346.4
42.5°	320.6
45°	293.7
47.5°	266.8
50°	239.9
52.5°	213.0
55°	187.2
57.5°	161.4
60°	137.9
62.5°	116.6
65°	97.5
67.5°	80.7
70°	66.1
72.5°	53.8
75°	42.6
77.5°	32.5
80°	24.7
82.5°	17.9
85°	12.3
87.5°	7.8
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)