

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: P641657

Luminaire Tested: ML5612LSVWFL97FS1E - 593SNB - 600LM - 3000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641657
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-99)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSVWFL97FS1E - 593SNB - 600LM - 3000K
Description: ML56 RR, MILKY OPTIC, 5" SATIN NICKLE BAFFLE TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

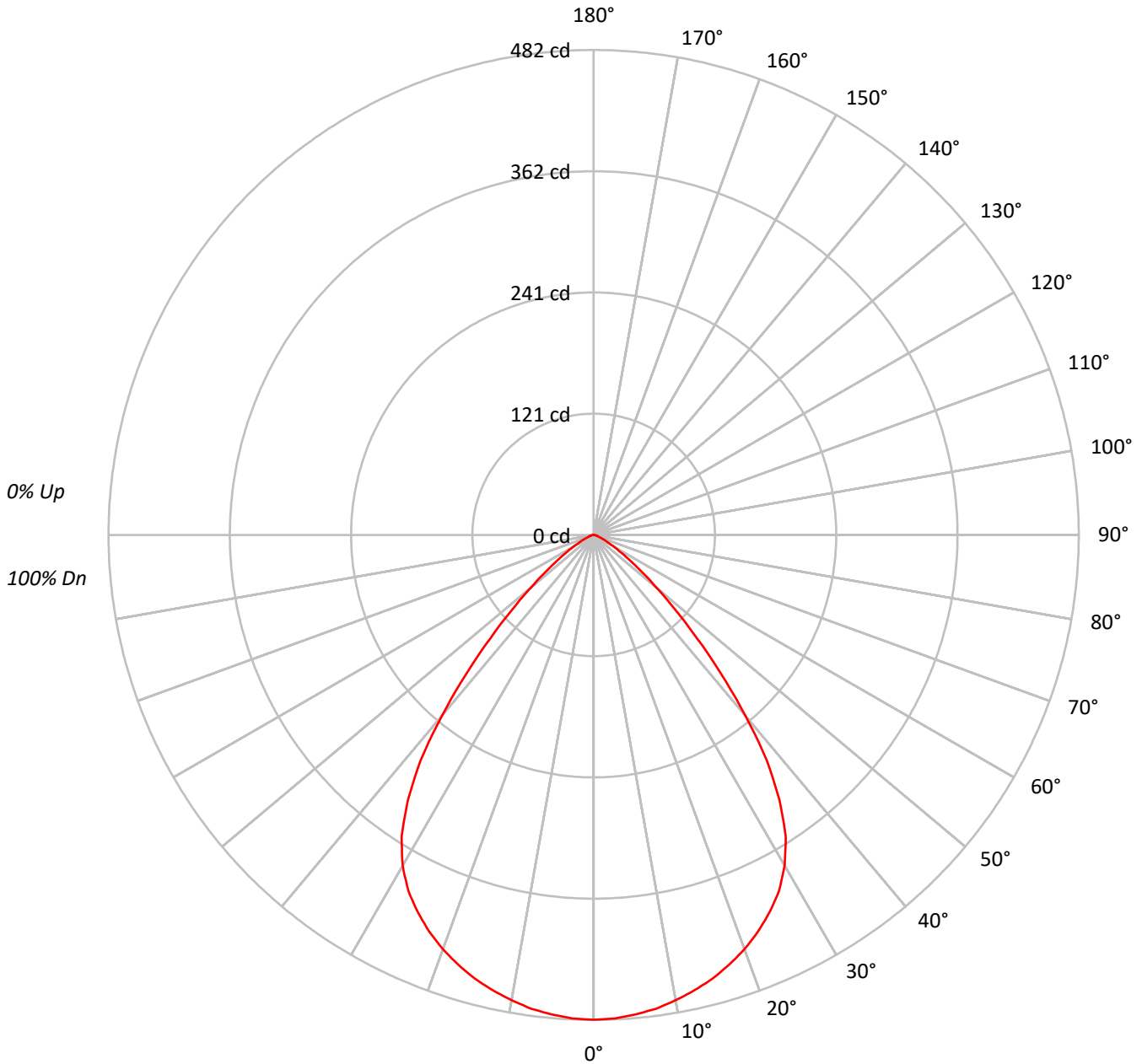
Lumens per Lamp: N/A
Luminaire Lumens: 733.5 lumens
Efficiency: N/A
Efficacy: 71.2 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.14
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

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	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	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			91
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82			82
3	99	91	85	81	97	90	84	80	87	82	79	84	81	77	82	79	76	74			74
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67			67
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	61			61
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	55			55
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51			51
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46			46
9	68	56	50	45	66	56	49	45	55	49	45	54	48	44	53	48	44	43			43
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39			39

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	38042
5°	37910
10°	37643
15°	37308
20°	36804
25°	36025
30°	34593
35°	31012
40°	24155
45°	16210
50°	9984
55°	6014
60°	3584
65°	2129
70°	1200
75°	1068
80°	773
85°	815

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 16210 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	6.2
10°-20°	128.6	17.5
20°-30°	189.9	25.9
30°-40°	197.1	26.9
40°-50°	114.4	15.6
50°-60°	41.6	5.7
60°-70°	12.0	1.6
70°-80°	3.7	0.5
80°-90°	0.7	0.1
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°	364.0	49.6
0°-40°	561.1	76.5
0°-60°	717.0	97.8
0°-90°	733.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	733.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	482	
5°	478	45
15°	456	129
25°	414	190
35°	322	197
45°	145	114
55°	44	42
65°	11	12
75°	4	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	481.9
2.5°	481.0
5°	478.4
7.5°	474.9
10°	469.6
12.5°	463.5
15°	456.5
17.5°	447.8
20°	438.1
22.5°	426.8
25°	413.6
27.5°	398.8
30°	379.5
32.5°	355.1
35°	321.8
37.5°	282.5
40°	234.4
42.5°	187.1
45°	145.2
47.5°	109.3
50°	81.3
52.5°	60.3
55°	43.7
57.5°	31.5
60°	22.7
62.5°	15.7
65°	11.4
67.5°	7.9
70°	5.2
72.5°	4.4
75°	3.5
77.5°	2.6
80°	1.7
82.5°	0.9
85°	0.9
87.5°	0.0
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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