

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: P641763

Luminaire Tested: ML5612LSVWFL97FS1E - 691WB - 600LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641763
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-105)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSVWFL97FS1E - 691WB - 600LM - 3500K
Description: ML56 RR, MILKY OPTIC, 6" DEADFRONT TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 944.4 lumens
Efficiency: N/A
Efficacy: 91.7 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

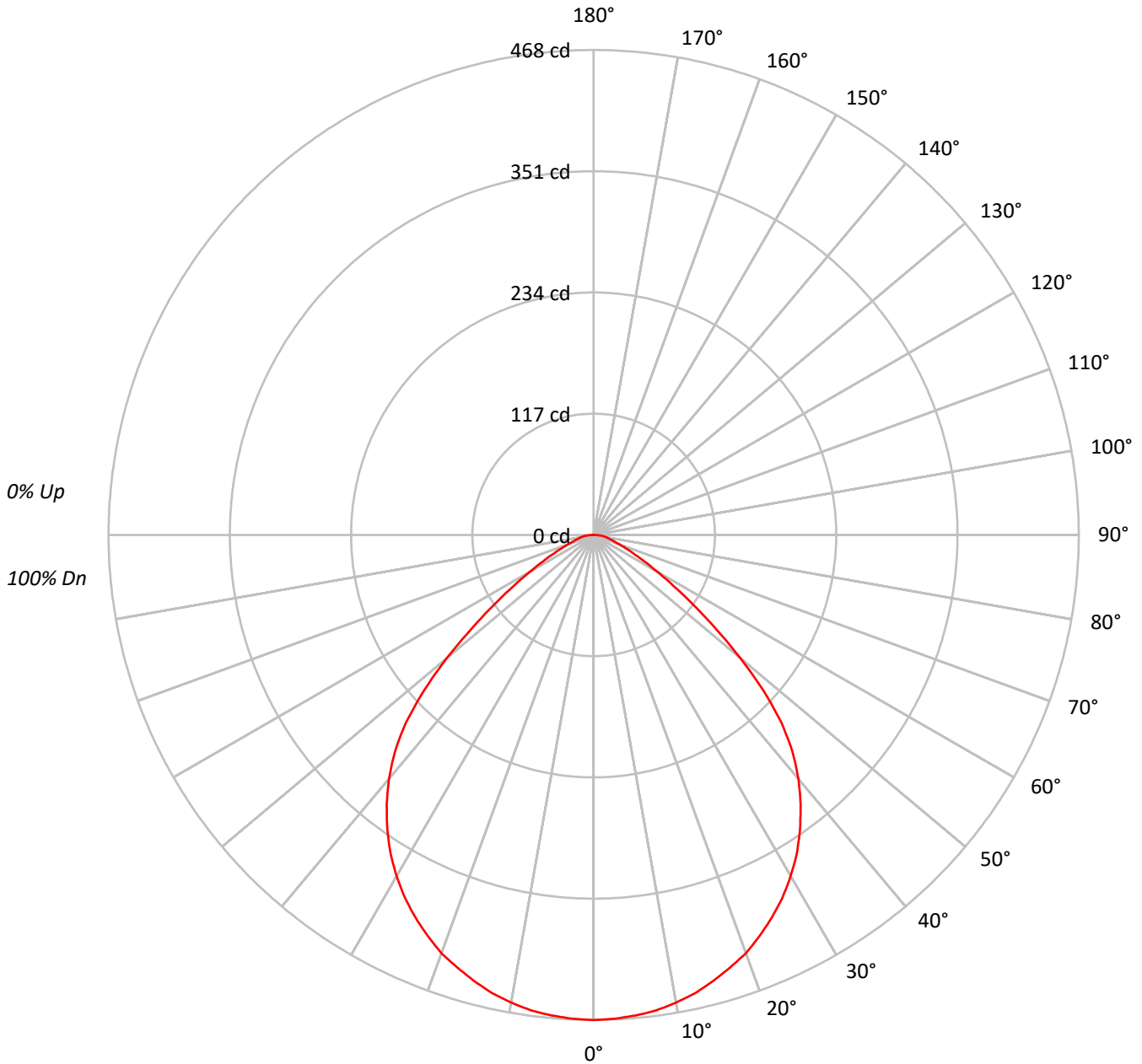
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	111	107	104	101	108	105	102	99	101	98	96	97	95	93	94	92	90	89																			
2	103	96	91	86	101	94	89	85	91	87	83	88	84	81	85	82	80	78																			
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68																			
4	88	78	71	65	86	77	70	64	75	68	64	72	67	63	70	66	62	60																			
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53																			
6	76	65	57	51	75	64	56	51	62	55	50	60	54	50	59	54	50	48																			
7	71	59	51	46	70	58	51	46	57	50	45	55	49	45	54	49	45	43																			
8	67	54	47	41	65	54	46	41	52	46	41	51	45	41	50	45	40	39																			
9	62	50	43	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35																			
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	25667
5°	25616
10°	25512
15°	25295
20°	25056
25°	24624
30°	24061
35°	23216
40°	21991
45°	19855
50°	15710
55°	11163
60°	7686
65°	5474
70°	4183
75°	3622
80°	3694
85°	3963

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19855 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.2	4.7
10°-20°	125.7	13.3
20°-30°	187.4	19.8
30°-40°	216.4	22.9
40°-50°	193.8	20.5
50°-60°	107.2	11.3
60°-70°	44.0	4.7
70°-80°	18.8	2.0
80°-90°	7.0	0.7
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°	357.3	37.8
0°-40°	573.7	60.7
0°-60°	874.7	92.6
0°-90°	944.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	944.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	468	
5°	466	44
15°	446	126
25°	407	187
35°	347	216
45°	256	194
55°	117	107
65°	42	44
75°	17	19
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	468.2
2.5°	467.3
5°	465.5
7.5°	462.8
10°	458.3
12.5°	452.9
15°	445.7
17.5°	437.6
20°	429.5
22.5°	418.7
25°	407.1
27.5°	394.5
30°	380.1
32.5°	364.8
35°	346.9
37.5°	328.0
40°	307.3
42.5°	284.0
45°	256.1
47.5°	221.9
50°	184.2
52.5°	147.4
55°	116.8
57.5°	90.8
60°	70.1
62.5°	54.8
65°	42.2
67.5°	33.2
70°	26.1
72.5°	20.7
75°	17.1
77.5°	14.4
80°	11.7
82.5°	9.9
85°	6.3
87.5°	3.6
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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