

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: P641916

Luminaire Tested: ML5612LSVWFL97FS1E - 696WB - 900LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641916
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-115)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSVWFL97FS1E - 696WB - 900LM - 2700K
Description: ML56 RR, MILKY OPTIC, 6" SHALLOW WHITE BAFFLE TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

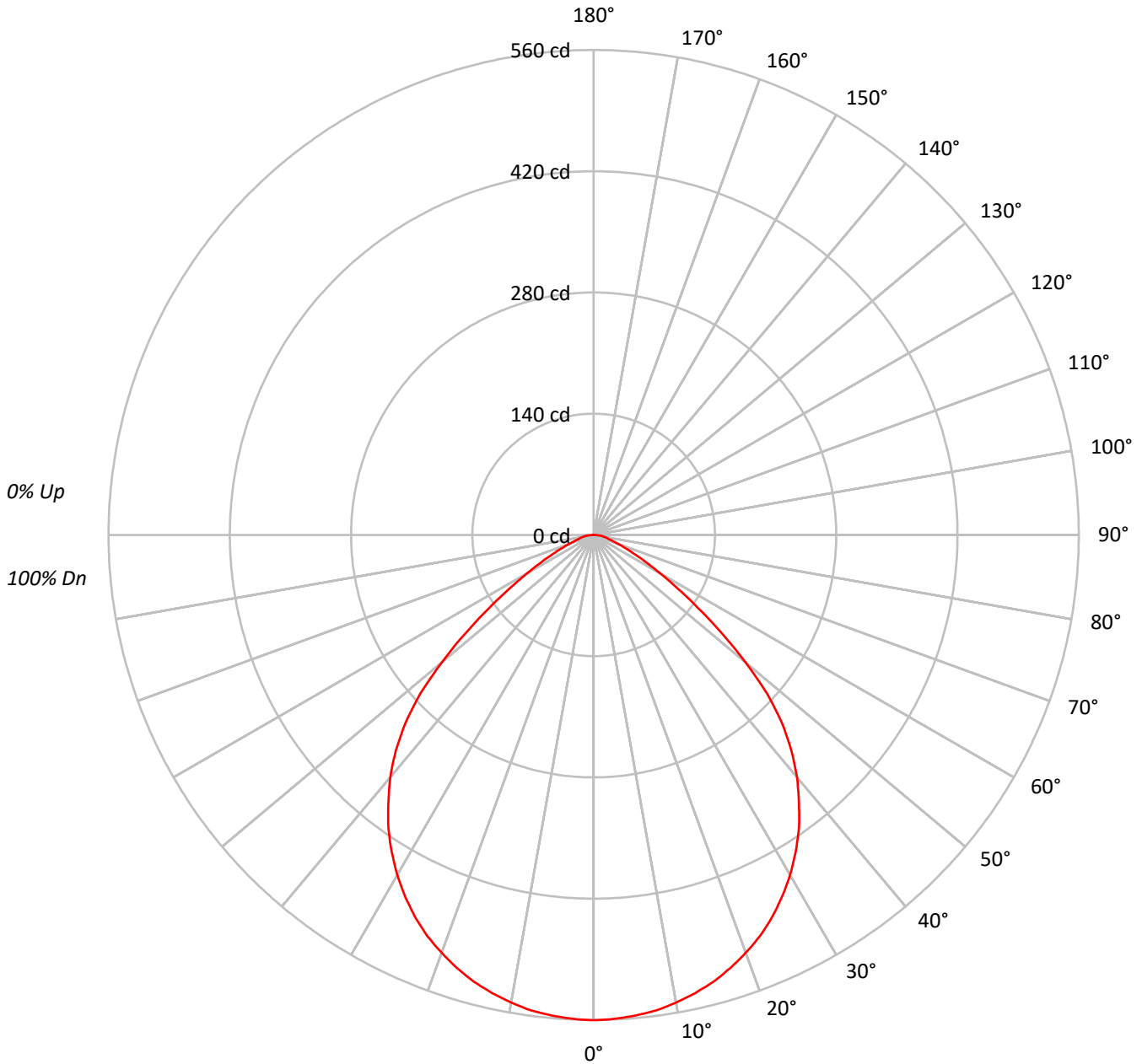
Lumens per Lamp: N/A
Luminaire Lumens: 1133.6 lumens
Efficiency: N/A
Efficacy: 85.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.28
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89			89
2	103	96	91	86	101	95	89	85	91	87	83	88	84	81	85	82	80	78			78
3	95	87	80	74	93	85	79	74	82	77	72	80	75	71	77	73	70	68			68
4	88	78	71	65	86	77	70	64	75	68	64	72	67	63	70	66	62	60			60
5	82	71	63	57	80	70	62	57	68	61	56	66	60	56	64	59	55	53			53
6	76	64	57	51	75	64	56	51	62	55	50	60	54	50	59	54	49	48			48
7	71	59	51	46	69	58	51	45	57	50	45	55	49	45	54	49	45	43			43
8	66	54	46	41	65	54	46	41	52	46	41	51	45	41	50	44	40	39			39
9	62	50	42	37	61	49	42	37	48	42	37	47	41	37	46	41	37	35			35
10	59	46	39	34	57	46	39	34	45	38	34	44	38	34	43	38	34	32			32

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	30721
5°	30657
10°	30527
15°	30318
20°	29957
25°	29475
30°	28707
35°	27653
40°	26135
45°	23832
50°	19522
55°	14069
60°	9681
65°	6641
70°	4712
75°	3685
80°	3788
85°	4088

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 23832 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.9	4.7
10°-20°	150.5	13.3
20°-30°	224.1	19.8
30°-40°	257.4	22.7
40°-50°	233.6	20.6
50°-60°	134.9	11.9
60°-70°	53.4	4.7
70°-80°	20.1	1.8
80°-90°	6.7	0.6
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°	427.5	37.7
0°-40°	684.9	60.4
0°-60°	1053.3	92.9
0°-90°	1133.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1133.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	560	
5°	557	53
15°	534	151
25°	487	224
35°	413	257
45°	307	234
55°	147	135
65°	51	53
75°	17	20
85°	6	7
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	560.4
2.5°	559.3
5°	557.1
7.5°	553.8
10°	548.4
12.5°	541.8
15°	534.2
17.5°	524.4
20°	513.5
22.5°	501.5
25°	487.3
27.5°	471.0
30°	453.5
32.5°	433.9
35°	413.2
37.5°	389.2
40°	365.2
42.5°	338.0
45°	307.4
47.5°	271.5
50°	228.9
52.5°	186.4
55°	147.2
57.5°	114.5
60°	88.3
62.5°	67.6
65°	51.2
67.5°	39.2
70°	29.4
72.5°	22.9
75°	17.4
77.5°	15.3
80°	12.0
82.5°	9.8
85°	6.5
87.5°	2.2
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)