

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: P641914

Luminaire Tested: ML5612LSVWFL97FS1E - 696WB - 600LM - 4000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641914
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 - 600LM - 4000K
Description: ML56 RR, MILKY OPTIC, 6" SHALLOW WHITE BAFFLE TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

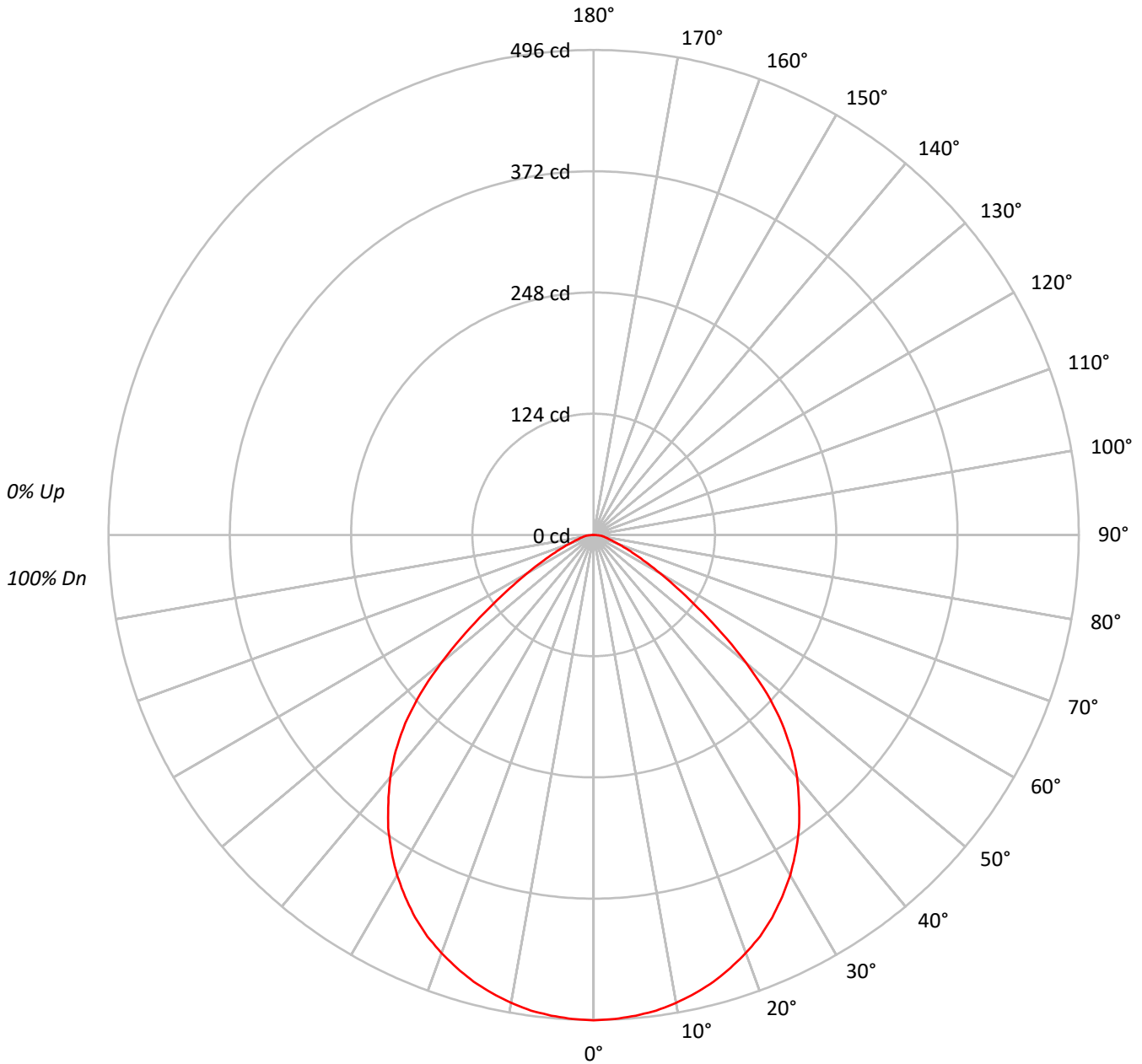
Lumens per Lamp: N/A
Luminaire Lumens: 1004.5 lumens
Efficiency: N/A
Efficacy: 97.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.28
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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				
1	111	107	104	101	109	105	102	99	101	99	96	97	95	93	94	92	91	89				
2	103	96	91	86	101	95	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	64	57	51	75	64	56	51	62	55	50	60	54	50	59	54	49	48				
7	71	59	51	46	69	58	51	45	57	50	45	55	49	45	54	49	45	43				
8	66	54	46	41	65	54	46	41	52	46	41	51	45	41	50	44	40	39				
9	62	50	42	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°	27218
5°	27163
10°	27048
15°	26862
20°	26544
25°	26118
30°	25441
35°	24501
40°	23158
45°	21118
50°	17304
55°	12463
60°	8574
65°	5889
70°	4183
75°	3283
80°	3346
85°	3648

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21118 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.9	4.7
10°-20°	133.4	13.3
20°-30°	198.5	19.8
30°-40°	228.1	22.7
40°-50°	207.0	20.6
50°-60°	119.5	11.9
60°-70°	47.4	4.7
70°-80°	17.8	1.8
80°-90°	5.9	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°	378.8	37.7
0°-40°	606.9	60.4
0°-60°	933.3	92.9
0°-90°	1004.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1004.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	496	
5°	494	47
15°	473	133
25°	432	199
35°	366	228
45°	272	207
55°	130	119
65°	45	47
75°	16	18
85°	6	6
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	496.5
2.5°	495.6
5°	493.6
7.5°	490.7
10°	485.9
12.5°	480.1
15°	473.3
17.5°	464.6
20°	455.0
22.5°	444.4
25°	431.8
27.5°	417.3
30°	401.9
32.5°	384.5
35°	366.1
37.5°	344.9
40°	323.6
42.5°	299.5
45°	272.4
47.5°	240.5
50°	202.9
52.5°	165.2
55°	130.4
57.5°	101.4
60°	78.2
62.5°	59.9
65°	45.4
67.5°	34.8
70°	26.1
72.5°	20.3
75°	15.5
77.5°	13.5
80°	10.6
82.5°	8.7
85°	5.8
87.5°	1.9
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)