

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P640476

Luminaire Tested: ML5609LSVWFLD2W1E - 693WB - 900LM - 3000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P640476
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-109)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5609LSVWFLD2W1E - 693WB - 900LM - 3000K
Description: ML56 RR, MILKY OPTIC, 6" WHITE BAFFLE TRIM
Light Source: (1) D2W SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

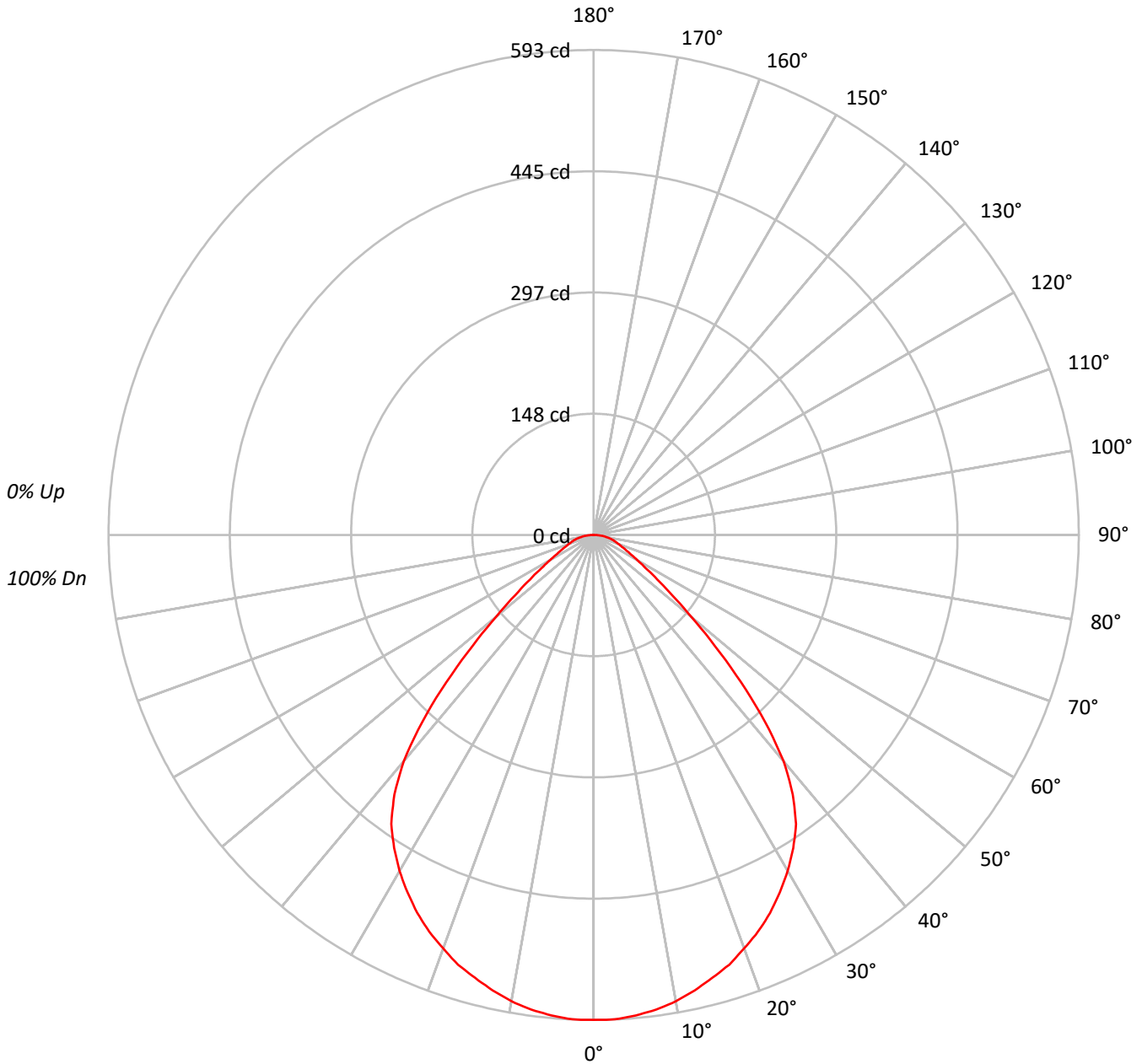
Lumens per Lamp: N/A
Luminaire Lumens: 1077.8 lumens
Efficiency: N/A
Efficacy: 91.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.22
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 11.8
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	108	104	101	109	105	102	100	101	99	97	97	95	94	94	92	91	89			89	
2	103	97	92	87	101	95	90	86	92	88	84	89	85	82	86	83	80	79			79	
3	96	88	81	76	94	86	80	75	83	78	74	81	76	73	78	75	71	70			70	
4	89	80	72	67	87	78	72	66	76	70	65	74	69	65	72	67	64	62			62	
5	83	73	65	59	81	71	64	59	70	63	58	68	62	58	66	61	57	56			56	
6	78	66	59	53	76	65	58	53	64	57	53	62	57	52	61	56	52	50			50	
7	73	61	53	48	71	60	53	48	59	52	48	57	52	47	56	51	47	45			45	
8	68	56	49	44	67	56	48	43	54	48	43	53	47	43	52	47	43	41			41	
9	64	52	45	40	63	52	45	40	50	44	40	49	44	39	48	43	39	38			38	
10	60	48	41	37	59	48	41	36	47	41	36	46	40	36	45	40	36	34			34	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	32508
5°	32456
10°	32231
15°	31822
20°	31386
25°	30849
30°	30030
35°	28864
40°	25848
45°	19731
50°	13245
55°	9070
60°	6743
65°	5591
70°	5177
75°	5253
80°	5114
85°	4717

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19731 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.0	5.2
10°-20°	158.2	14.7
20°-30°	234.5	21.8
30°-40°	266.1	24.7
40°-50°	196.0	18.2
50°-60°	88.8	8.2
60°-70°	43.8	4.1
70°-80°	25.7	2.4
80°-90°	8.6	0.8
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°	448.7	41.6
0°-40°	714.8	66.3
0°-60°	999.6	92.7
0°-90°	1077.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1077.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	593	
5°	590	56
15°	561	158
25°	510	235
35°	431	266
45°	254	196
55°	95	89
65°	43	44
75°	25	26
85°	8	9
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	593.0
2.5°	593.0
5°	589.8
7.5°	585.5
10°	579.0
12.5°	570.4
15°	560.7
17.5°	551.0
20°	538.0
22.5°	525.1
25°	510.0
27.5°	492.8
30°	474.4
32.5°	453.9
35°	431.3
37.5°	400.0
40°	361.2
42.5°	310.5
45°	254.5
47.5°	200.6
50°	155.3
52.5°	120.8
55°	94.9
57.5°	75.5
60°	61.5
62.5°	50.7
65°	43.1
67.5°	36.7
70°	32.3
72.5°	28.0
75°	24.8
77.5°	20.5
80°	16.2
82.5°	12.9
85°	7.5
87.5°	3.2
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)