

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: P643707

Luminaire Tested: ML5615LSVWFL9FS1E - 694WB - 1200LM - 3000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643707
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-113)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL9FS1E - 694WB - 1200LM - 3000K
Description: ML56 RR, MILKY OPTIC, 6" WHITE GIMBAL TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

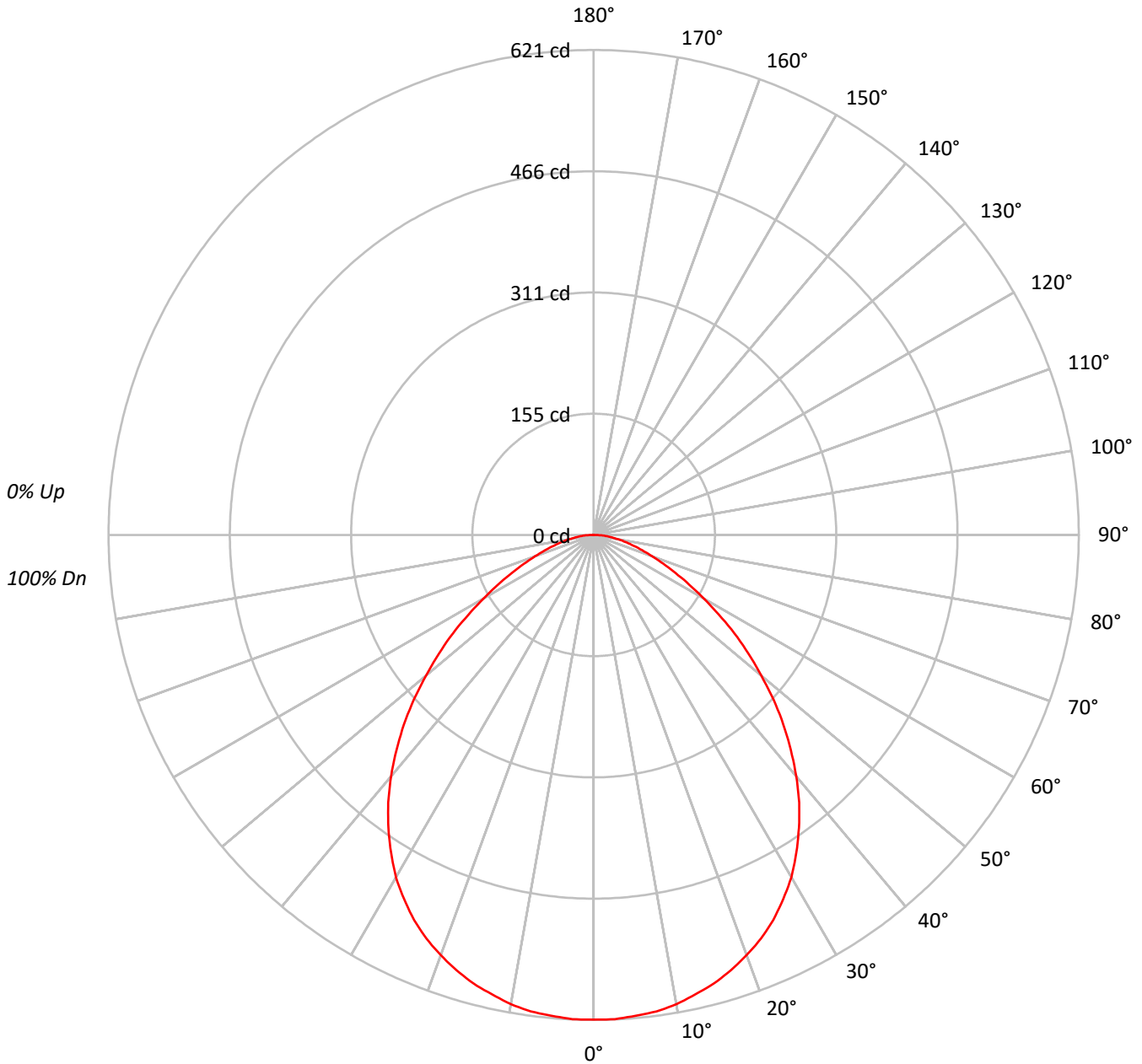
Lumens per Lamp: N/A
Luminaire Lumens: 1412.8 lumens
Efficiency: N/A
Efficacy: 105.4 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.28
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 13.4
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	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86																			
2	101	94	88	83	99	92	86	82	88	84	80	85	81	78	82	79	76	74																			
3	93	83	76	70	91	82	75	70	79	73	68	76	71	67	74	70	66	64																			
4	86	75	67	61	84	73	66	60	71	64	59	69	63	59	67	62	58	56																			
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49																			
6	74	61	53	47	72	60	52	46	58	51	46	57	51	46	55	50	45	43																			
7	68	56	47	42	67	55	47	41	53	46	41	52	46	41	51	45	41	39																			
8	64	51	43	37	62	50	43	37	49	42	37	48	42	37	47	41	37	35																			
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	38	33	32																			
10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	35	30	29																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	34027
5°	34014
10°	33973
15°	33752
20°	33405
25°	32905
30°	32043
35°	30657
40°	28868
45°	26631
50°	23863
55°	21017
60°	17838
65°	15021
70°	12727
75°	11035
80°	9850
85°	9812

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 26631 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.8	4.2
10°-20°	167.6	11.9
20°-30°	250.0	17.7
30°-40°	285.8	20.2
40°-50°	264.1	18.7
50°-60°	196.6	13.9
60°-70°	116.4	8.2
70°-80°	56.4	4.0
80°-90°	17.0	1.2
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°	476.5	33.7
0°-40°	762.2	54.0
0°-60°	1223.0	86.6
0°-90°	1412.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1412.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	621	
5°	618	59
15°	595	168
25°	544	250
35°	458	286
45°	344	264
55°	220	197
65°	116	116
75°	52	56
85°	16	17
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	620.7
2.5°	620.7
5°	618.1
7.5°	615.5
10°	610.3
12.5°	602.5
15°	594.7
17.5°	584.3
20°	572.6
22.5°	559.6
25°	544.0
27.5°	525.7
30°	506.2
32.5°	482.8
35°	458.1
37.5°	432.0
40°	403.4
42.5°	373.5
45°	343.5
47.5°	312.3
50°	279.8
52.5°	249.9
55°	219.9
57.5°	190.0
60°	162.7
62.5°	137.9
65°	115.8
67.5°	96.3
70°	79.4
72.5°	65.1
75°	52.1
77.5°	41.6
80°	31.2
82.5°	22.1
85°	15.6
87.5°	9.1
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)