

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: P642992

Luminaire Tested: ML5615LSNFL259FS1E - 693WB - 1500LM - 3000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P642992
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-17)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSNFL259FS1E - 693WB - 1500LM - 3000K
Description: ML56 RR, 25D TIR OPTIC, 6" WHITE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1706.5 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.44
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

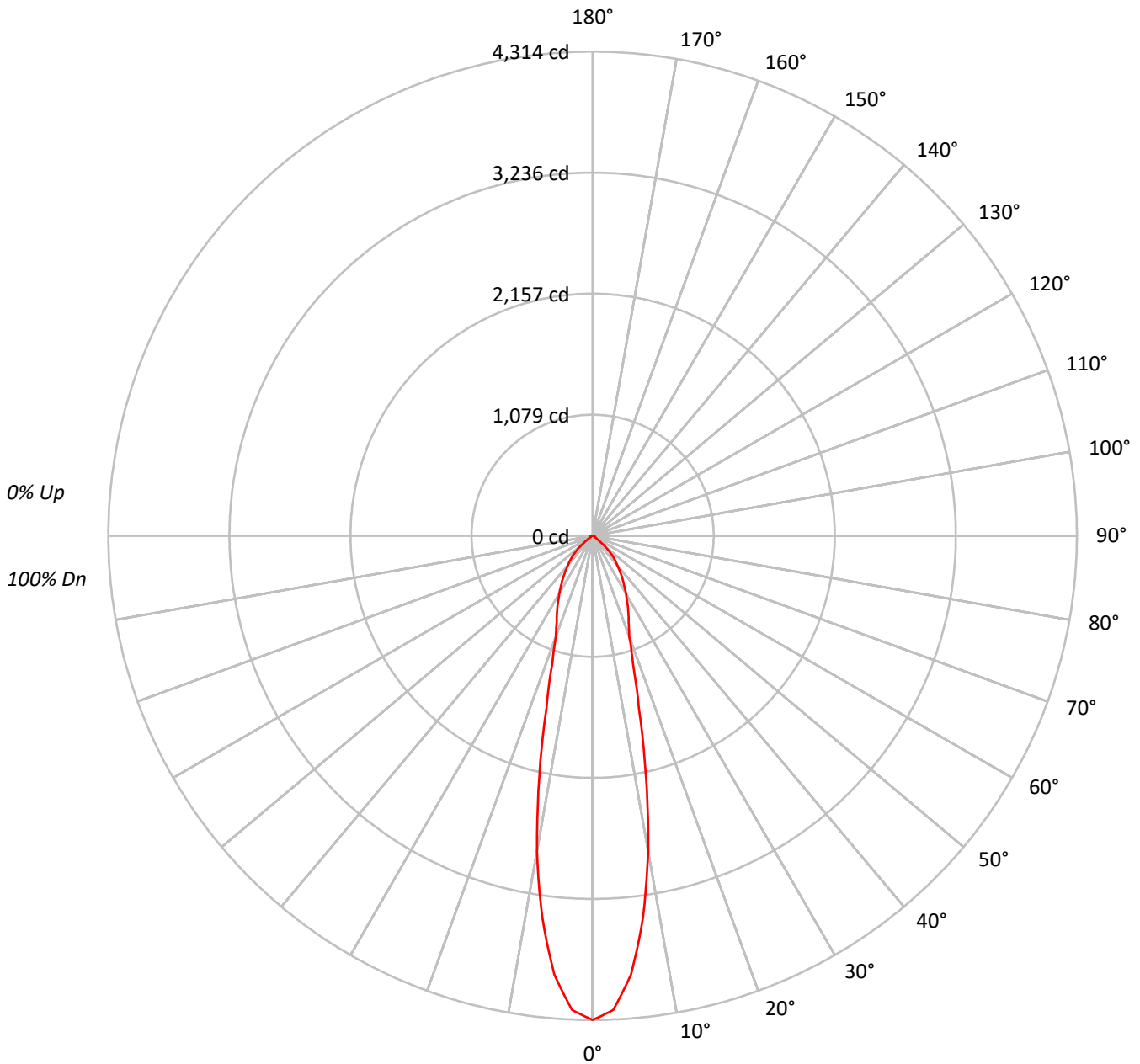
Input Watts (W): 17.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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									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	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	100	100	100	100	100	100	100	100	100																	
	1	113	110	108	106	111	108	106	104	104	102	101	101	99	98	97	96	95	93	93	93	93	93	93	93	93	93	93	93																	
	2	108	103	99	95	105	101	97	94	98	95	92	95	92	90	92	90	88	86	86	86	86	86	86	86	86	86	86	86																	
	3	102	96	91	87	100	94	90	86	92	88	85	89	86	83	87	84	82	80	80	80	80	80	80	80	80	80	80	80																	
	4	97	90	84	80	95	88	83	79	86	82	78	84	81	77	82	79	77	75	75	75	75	75	75	75	75	75	75	75																	
	5	92	84	78	74	91	83	78	74	81	77	73	80	76	72	78	75	72	70	70	70	70	70	70	70	70	70	70	70																	
	6	88	79	73	69	87	79	73	69	77	72	68	76	71	68	74	71	68	66	66	66	66	66	66	66	66	66	66	66																	
	7	84	75	69	65	83	74	69	65	73	68	64	72	67	64	71	67	64	62	62	62	62	62	62	62	62	62	62	62																	
	8	80	71	65	61	79	71	65	61	70	64	61	68	64	61	68	63	60	59	59	59	59	59	59	59	59	59	59	59																	
	9	77	68	62	58	76	67	62	58	66	61	58	65	61	58	65	60	57	56	56	56	56	56	56	56	56	56	56	56																	
	10	74	65	59	55	73	64	59	55	63	58	55	63	58	55	62	58	55	53	53	53	53	53	53	53	53	53	53	53																	

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	236489
5°	215826
10°	158664
15°	90415
20°	55707
25°	45474
30°	37461
35°	30724
40°	24610
45°	19343
50°	11053
55°	3976
60°	3333
65°	2906
70°	2565
75°	2711
80°	3031
85°	3019

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19343 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.4	19.9
10°-20°	459.4	26.9
20°-30°	346.0	20.3
30°-40°	287.2	16.8
40°-50°	185.1	10.8
50°-60°	49.1	2.9
60°-70°	21.9	1.3
70°-80°	13.5	0.8
80°-90°	4.8	0.3
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°	1144.9	67.1
0°-40°	1432.1	83.9
0°-60°	1666.3	97.6
0°-90°	1706.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1706.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	4314	
5°	3922	339
15°	1593	459
25°	752	346
35°	459	287
45°	250	185
55°	42	49
65°	22	22
75°	13	14
85°	5	5
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	4313.9
2.5°	4229.1
5°	3922.0
7.5°	3434.1
10°	2850.3
12.5°	2189.7
15°	1593.1
17.5°	1191.6
20°	954.9
22.5°	838.1
25°	751.8
27.5°	668.6
30°	591.8
32.5°	523.0
35°	459.1
37.5°	398.3
40°	343.9
42.5°	295.9
45°	249.5
47.5°	185.5
50°	129.6
52.5°	67.2
55°	41.6
57.5°	33.6
60°	30.4
62.5°	25.6
65°	22.4
67.5°	17.6
70°	16.0
72.5°	14.4
75°	12.8
77.5°	11.2
80°	9.6
82.5°	6.4
85°	4.8
87.5°	1.6
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)