

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: P643123

Luminaire Tested: ML5615LSVWFL759FS1E - 593SNB - 1200LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643123
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-76)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 593SNB - 1200LM - 3500K
Description: ML56 RR, 75D TIR OPTIC, 5" SATIN NICKLE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1409.8 lumens
Efficiency: N/A
Efficacy: 105.2 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.09
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

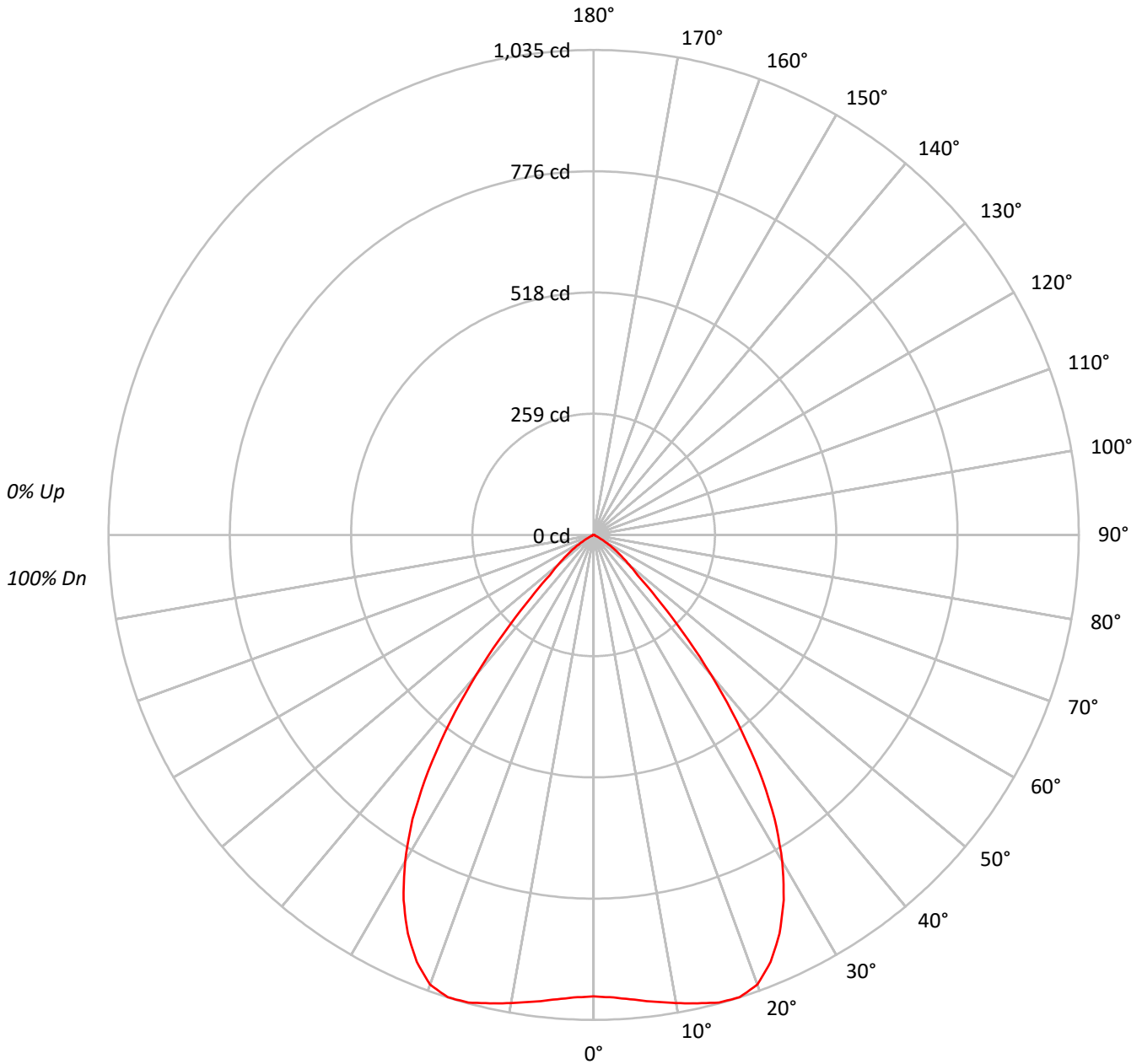
Input Watts (W): 13.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92																											
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84																											
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77																											
4	95	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72	71																											
5	89	80	73	68	87	79	73	68	77	72	67	75	70	67	74	69	66	65																											
6	84	74	67	63	82	73	67	62	72	66	62	70	65	61	69	64	61	59																											
7	79	69	62	57	78	68	62	57	67	61	57	65	60	57	64	60	56	55																											
8	75	64	57	53	73	63	57	53	62	57	52	61	56	52	60	55	52	50																											
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47																											
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	43																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	77765
5°	78910
10°	81321
15°	84439
20°	85788
25°	81727
30°	73351
35°	59383
40°	40086
45°	21044
50°	12146
55°	7542
60°	3379
65°	990
70°	623
75°	397
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21044 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.6	6.8
10°-20°	291.4	20.7
20°-30°	427.1	30.3
30°-40°	377.2	26.8
40°-50°	159.3	11.3
50°-60°	50.3	3.6
60°-70°	7.5	0.5
70°-80°	1.4	0.1
80°-90°	0.0	0.0
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°	814.1	57.7
0°-40°	1191.3	84.5
0°-60°	1400.9	99.4
0°-90°	1409.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1409.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	985	
5°	996	96
15°	1033	291
25°	938	427
35°	616	377
45°	188	159
55°	55	50
65°	5	8
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	985.1
2.5°	987.8
5°	995.8
7.5°	1005.1
10°	1014.5
12.5°	1023.9
15°	1033.2
17.5°	1034.6
20°	1021.2
22.5°	986.4
25°	938.3
27.5°	878.2
30°	804.7
32.5°	719.1
35°	616.2
37.5°	502.6
40°	389.0
42.5°	279.4
45°	188.5
47.5°	127.0
50°	98.9
52.5°	74.9
55°	54.8
57.5°	37.4
60°	21.4
62.5°	10.7
65°	5.3
67.5°	2.7
70°	2.7
72.5°	1.3
75°	1.3
77.5°	1.3
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)