

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: P642958

Luminaire Tested: ML5615LSNFL259FS1E - 693SNB - 1200LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P642958
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-19)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSNFL259FS1E - 693SNB - 1200LM - 3500K
Description: ML56 RR, 25D TIR OPTIC, 6" SATIN NICKLE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

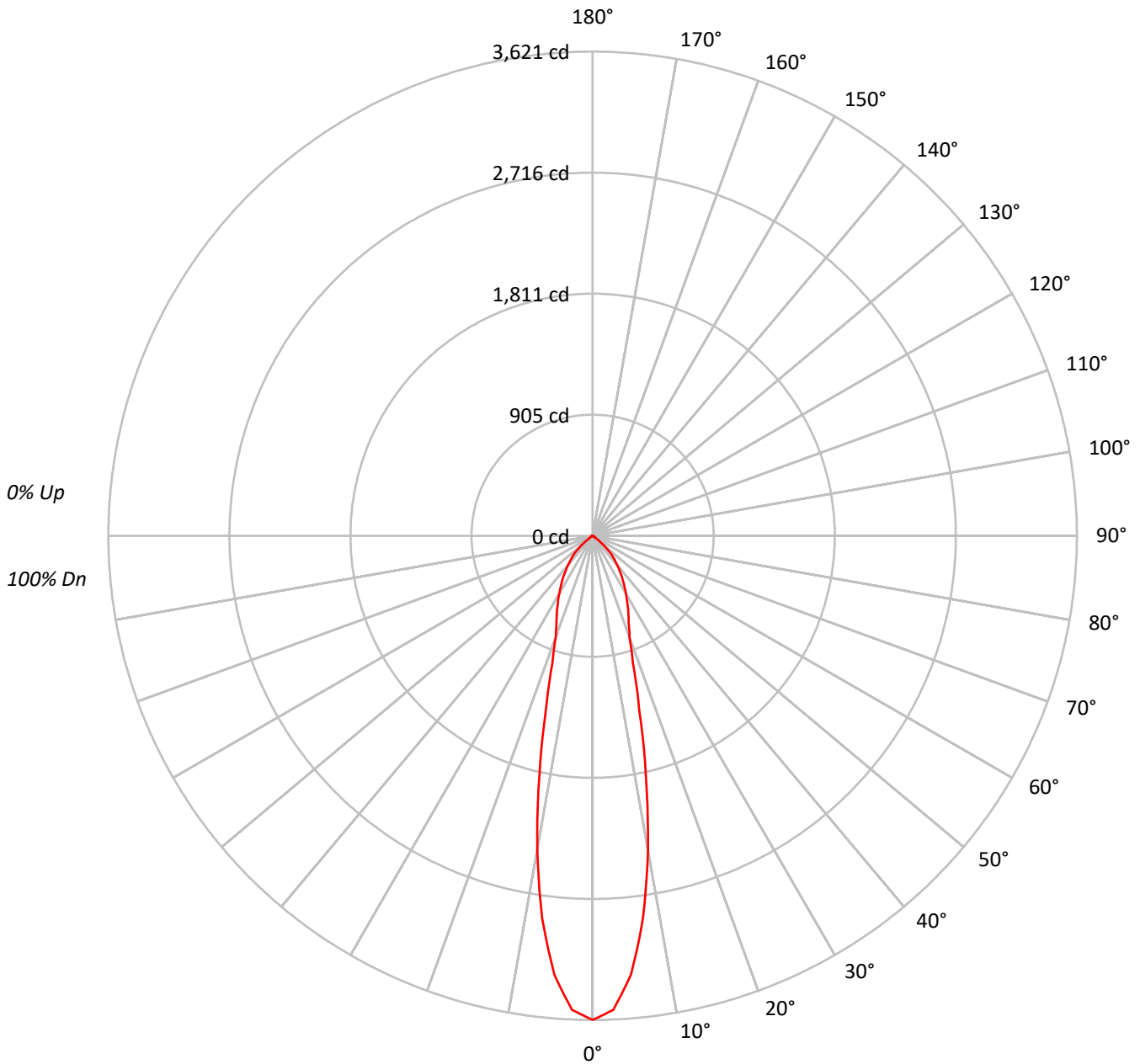
Lumens per Lamp: N/A
Luminaire Lumens: 1391.1 lumens
Efficiency: N/A
Efficacy: 103.8 lumens/watt
Spacing Criteria (0/90/45): 0.43 / 0.43 / 0.44
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 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	114	111	109	106	111	109	107	105	105	103	102	101	100	99	98	97	96	94																			
2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88																			
3	103	97	92	88	101	96	91	88	93	89	86	91	87	85	88	86	84	82																			
4	98	91	86	82	96	90	85	81	88	83	80	86	82	79	84	81	78	77																			
5	94	86	80	76	92	85	79	75	83	78	75	81	77	74	80	76	73	72																			
6	89	81	75	71	88	80	75	71	78	74	70	77	73	70	76	72	69	68																			
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64																			
8	82	73	67	63	80	72	67	63	71	66	63	70	66	62	69	65	62	61																			
9	78	69	63	60	77	69	63	60	68	63	59	67	62	59	66	62	59	58																			
10	75	66	60	57	74	65	60	57	65	60	57	64	59	56	63	59	56	55																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	198493
5°	181168
10°	132635
15°	76408
20°	46986
25°	38210
30°	31536
35°	25832
40°	20553
45°	15839
50°	8426
55°	2170
60°	1316
65°	687
70°	208
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 15839 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	284.8	20.5
10°-20°	386.2	27.8
20°-30°	291.1	20.9
30°-40°	240.9	17.3
40°-50°	150.7	10.8
50°-60°	30.9	2.2
60°-70°	5.6	0.4
70°-80°	0.9	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°	962.1	69.2
0°-40°	1203.0	86.5
0°-60°	1384.6	99.5
0°-90°	1391.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1391.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3621	
5°	3292	285
15°	1346	386
25°	632	291
35°	386	241
45°	204	151
55°	23	31
65°	5	6
75°	0	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	3620.8
2.5°	3548.7
5°	3292.2
7.5°	2884.9
10°	2382.7
12.5°	1837.8
15°	1346.3
17.5°	1000.4
20°	805.4
22.5°	705.2
25°	631.7
27.5°	562.3
30°	498.2
32.5°	439.4
35°	386.0
37.5°	332.6
40°	287.2
42.5°	243.1
45°	204.3
47.5°	148.3
50°	98.8
52.5°	46.7
55°	22.7
57.5°	16.0
60°	12.0
62.5°	8.0
65°	5.3
67.5°	2.7
70°	1.3
72.5°	1.3
75°	0.0
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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