

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: P643470

Luminaire Tested: ML5615LSVWFL9FS1E - 593SNB - 1200LM - 5000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643470
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-99)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL9FS1E - 593SNB - 1200LM - 5000K
Description: ML56 RR, MILKY OPTIC, 5" SATIN NICKLE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

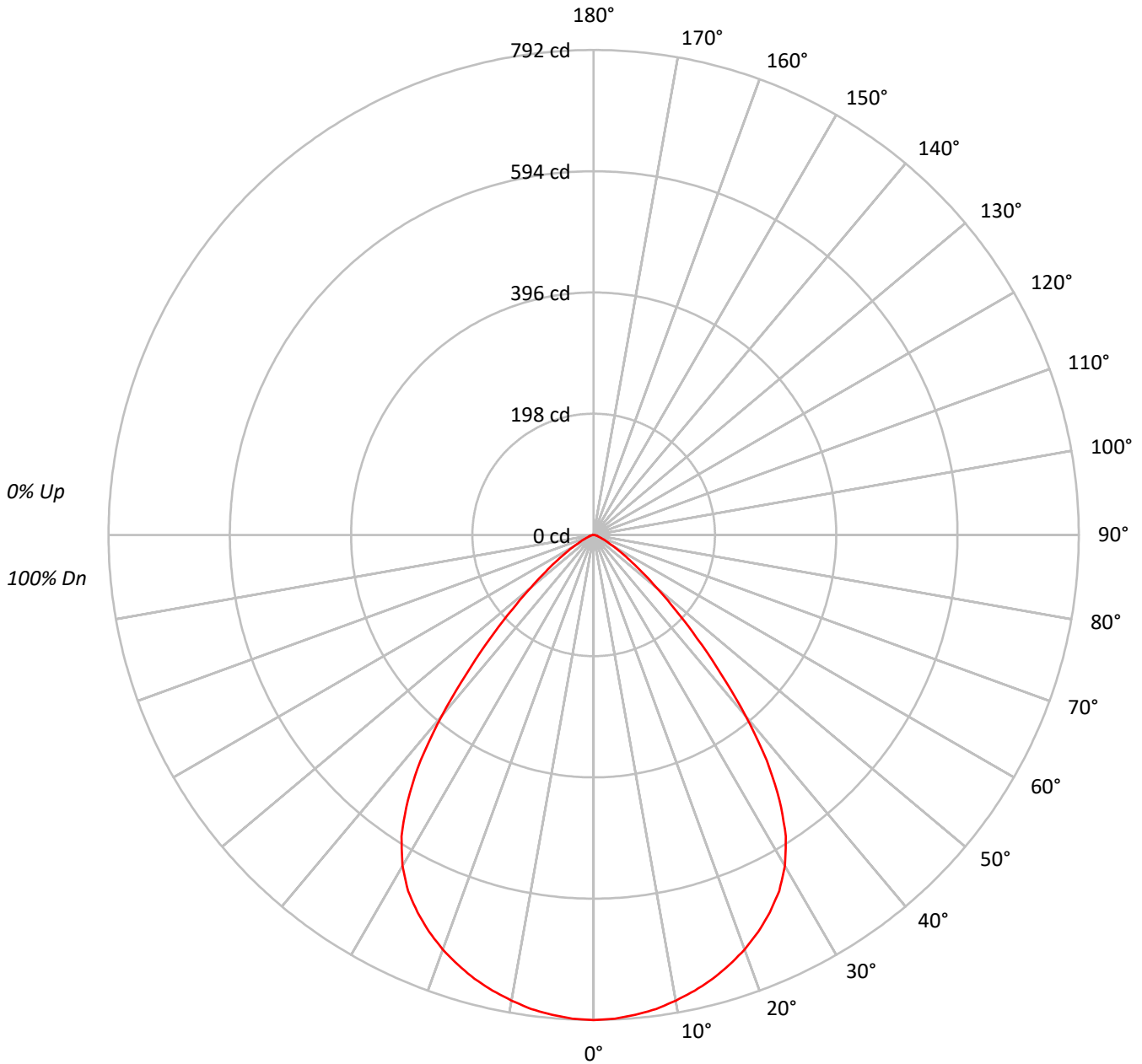
Lumens per Lamp: N/A
Luminaire Lumens: 1206.2 lumens
Efficiency: N/A
Efficacy: 90.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.14
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P643470
CATALOG NUMBER: ML5615LSVWFL9FS1E - 593SNB - 1200LM - 5000K

Luminous Intensity Polar Plot





TEST NUMBER: P643470

CATALOG NUMBER: ML5615LSVWFL9FS1E - 593SNB - 1200LM - 5000K

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			
1	112	109	106	104	110	107	104	102	103	101	99	99	97	96	96	94	93	91			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	86	84	82			
3	99	91	85	81	97	90	84	80	87	82	79	84	81	77	82	79	76	74			
4	93	84	77	72	91	82	76	72	80	75	71	78	73	70	76	72	69	67			
5	87	77	70	65	85	76	69	64	74	68	64	72	67	63	70	66	63	61			
6	81	71	64	59	80	70	63	58	68	62	58	67	62	58	65	61	57	55			
7	76	65	58	53	75	65	58	53	63	57	53	62	57	53	61	56	52	51			
8	72	61	54	49	70	60	53	49	59	53	48	58	52	48	57	52	48	46			
9	68	56	50	45	66	56	49	45	55	49	45	54	48	44	53	48	44	43			
10	64	53	46	41	63	52	46	41	51	45	41	50	45	41	50	45	41	39			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	62553
5°	62332
10°	61899
15°	61351
20°	60527
25°	59247
30°	56889
35°	50999
40°	39715
45°	26648
50°	16420
55°	9896
60°	5905
65°	3493
70°	1985
75°	1769
80°	1318
85°	1268

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 26648 cd/sqm



TEST NUMBER: P643470

CATALOG NUMBER: ML5615LSVWFL9FS1E - 593SNB - 1200LM - 5000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.7	6.2
10°-20°	211.5	17.5
20°-30°	312.3	25.9
30°-40°	324.1	26.9
40°-50°	188.2	15.6
50°-60°	68.4	5.7
60°-70°	19.8	1.6
70°-80°	6.1	0.5
80°-90°	1.2	0.1
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°	598.5	49.6
0°-40°	922.6	76.5
0°-60°	1179.2	97.8
0°-90°	1206.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1206.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	792	
5°	787	75
15°	751	212
25°	680	312
35°	529	324
45°	239	188
55°	72	68
65°	19	20
75°	6	6
85°	1	1
90°	0	



TEST NUMBER: P643470

CATALOG NUMBER: ML5615LSVWFL9FS1E - 593SNB - 1200LM - 5000K

CANDELA DISTRIBUTION (FULL):

	0°
0°	792.4
2.5°	790.9
5°	786.6
7.5°	780.9
10°	772.2
12.5°	762.2
15°	750.7
17.5°	736.3
20°	720.5
22.5°	701.8
25°	680.2
27.5°	655.8
30°	624.1
32.5°	583.9
35°	529.2
37.5°	464.5
40°	385.4
42.5°	307.7
45°	238.7
47.5°	179.8
50°	133.7
52.5°	99.2
55°	71.9
57.5°	51.8
60°	37.4
62.5°	25.9
65°	18.7
67.5°	12.9
70°	8.6
72.5°	7.2
75°	5.8
77.5°	4.3
80°	2.9
82.5°	1.4
85°	1.4
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

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

Scaled Data Report



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

Scaled Data Report



— 0°-180°

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

Scaled Data Report



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

Scaled Data Report



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

Scaled Data Report



(END OF REPORT)