

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: P643121

Luminaire Tested: ML5615LSVWFL759FS1E - 593SNB - 1200LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643121
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 - 2700K
Description: ML56 RR, 75D TIR OPTIC, 5" SATIN NICKLE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1334.3 lumens
Efficiency: N/A
Efficacy: 99.6 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

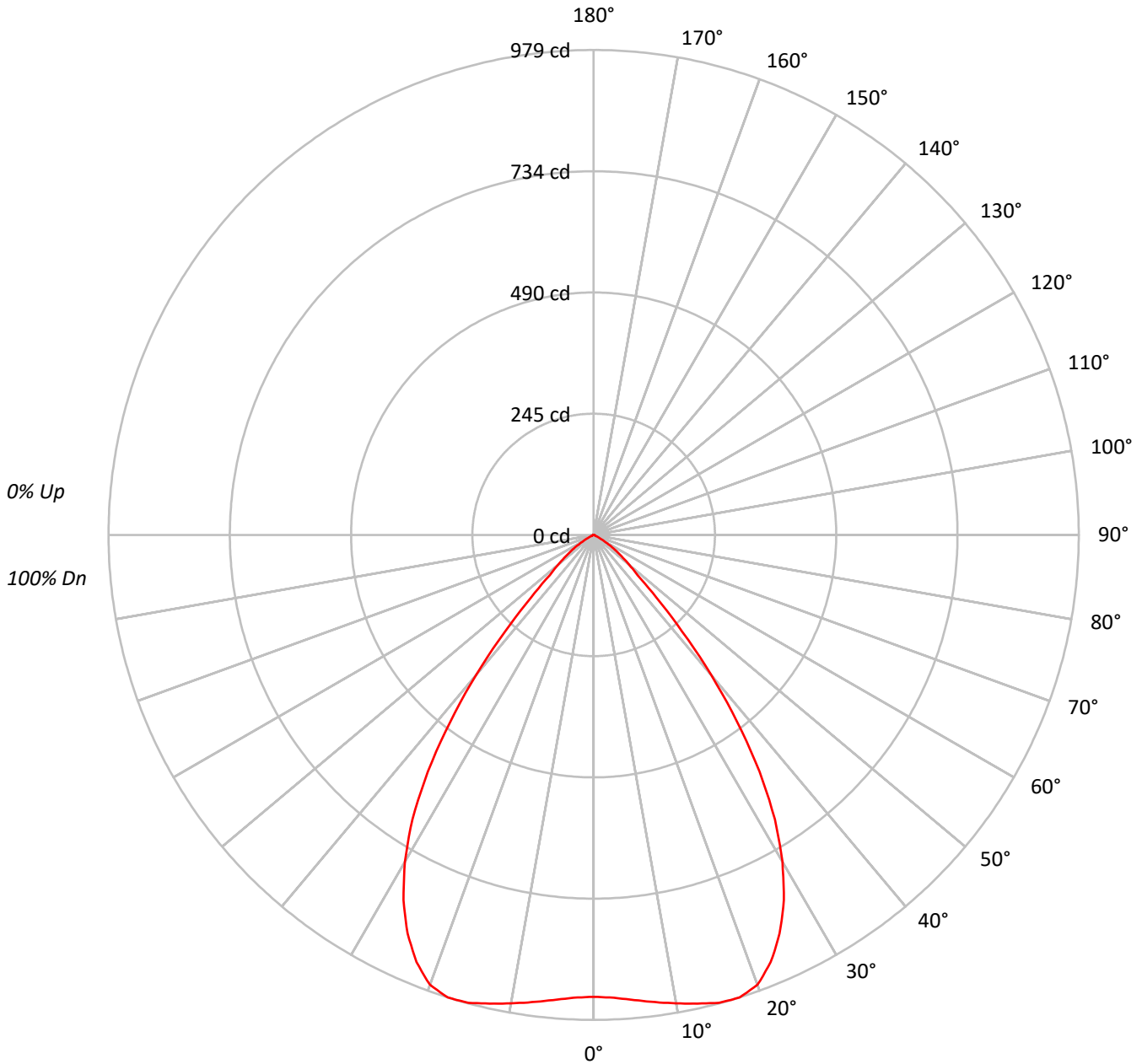
Input Watts (W): 13.4
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P643121

CATALOG NUMBER: ML5615LSVWFL759FS1E - 593SNB - 1200LM - 2700K

Luminous Intensity Polar Plot





TEST NUMBER: P643121

CATALOG NUMBER: ML5615LSVWFL759FS1E - 593SNB - 1200LM - 2700K

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			100																
1	113	110	107	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92			92																
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84			84																
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77			77																
4	95	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72	71			71																
5	89	80	73	68	87	79	73	68	77	72	67	75	70	67	74	69	66	65			65																
6	84	74	67	63	82	73	67	62	72	66	62	70	65	61	69	64	61	59			59																
7	79	69	62	57	78	68	62	57	67	61	57	65	60	57	64	60	56	55			55																
8	75	64	57	53	73	63	57	53	62	57	52	61	56	52	60	55	52	50			50																
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47			47																
10	67	56	50	45	66	56	49	45	55	49	45	54	49	45	53	48	45	43			43																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	73605
5°	74686
10°	76968
15°	79920
20°	81193
25°	77355
30°	69422
35°	56202
40°	37933
45°	19916
50°	11495
55°	7143
60°	3189
65°	953
70°	577
75°	397
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19916 cd/sqm



TEST NUMBER: P643121

CATALOG NUMBER: ML5615LSVWFL759FS1E - 593SNB - 1200LM - 2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	6.8
10°-20°	275.8	20.7
20°-30°	404.2	30.3
30°-40°	357.0	26.8
40°-50°	150.7	11.3
50°-60°	47.6	3.6
60°-70°	7.1	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°	770.5	57.7
0°-40°	1127.5	84.5
0°-60°	1325.9	99.4
0°-90°	1334.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1334.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	932	
5°	942	91
15°	978	276
25°	888	404
35°	583	357
45°	178	151
55°	52	48
65°	5	7
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P643121

CATALOG NUMBER: ML5615LSVWFL759FS1E - 593SNB - 1200LM - 2700K

CANDELA DISTRIBUTION (FULL):

0°	
0°	932.4
2.5°	934.9
5°	942.5
7.5°	951.3
10°	960.2
12.5°	969.0
15°	977.9
17.5°	979.2
20°	966.5
22.5°	933.6
25°	888.1
27.5°	831.2
30°	761.6
32.5°	680.6
35°	583.2
37.5°	475.7
40°	368.1
42.5°	264.4
45°	178.4
47.5°	120.2
50°	93.6
52.5°	70.8
55°	51.9
57.5°	35.4
60°	20.2
62.5°	10.1
65°	5.1
67.5°	2.5
70°	2.5
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

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)