

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: P643136

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

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643136
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-77)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5615LSVWFL759FS1E - 593TBZB - 1200LM - 2700K
Description: ML56 RR, 75D TIR OPTIC, 5" TUSCON BRONZE BAFFLE TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

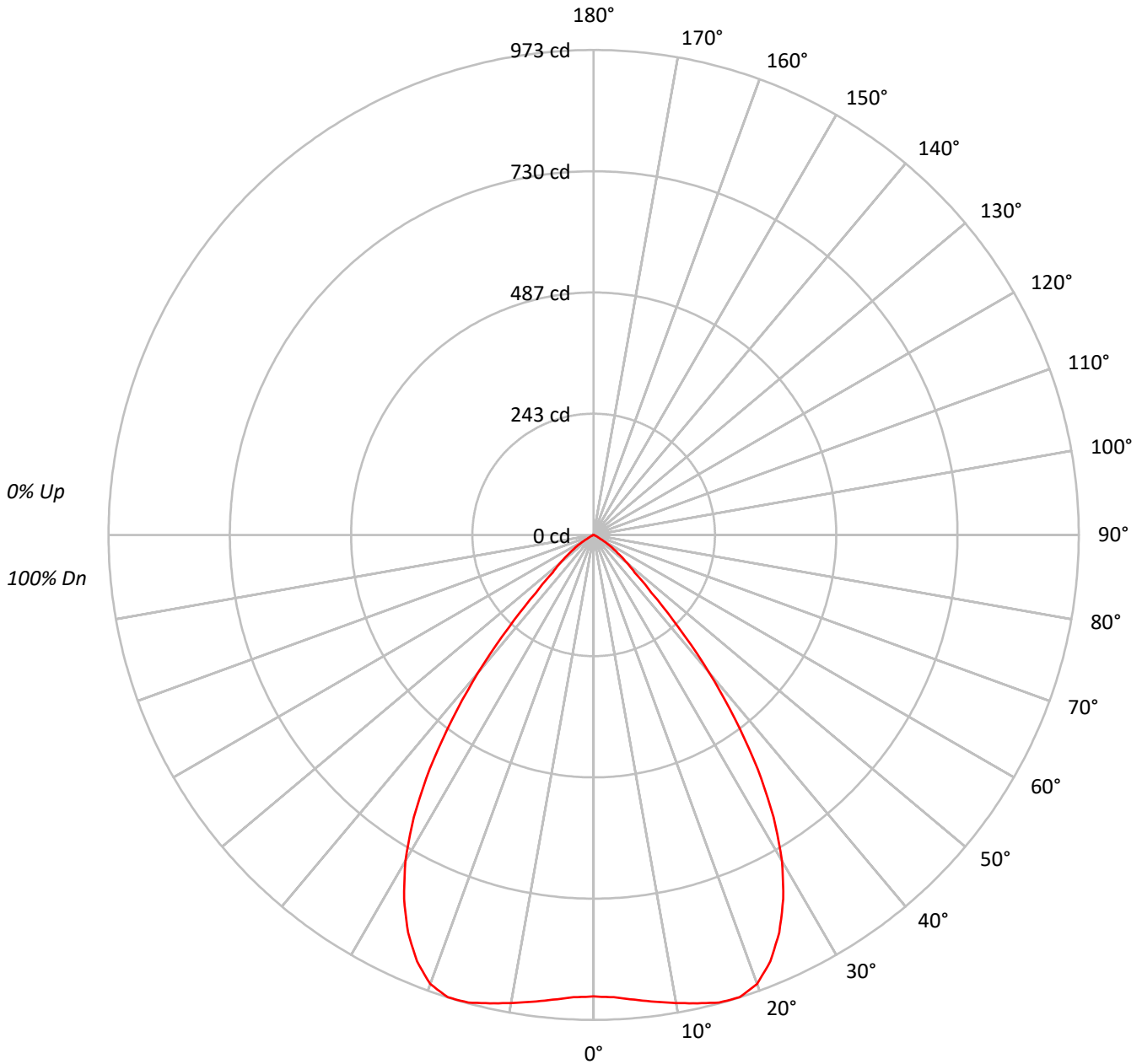
Lumens per Lamp: N/A
Luminaire Lumens: 1305.2 lumens
Efficiency: N/A
Efficacy: 97.4 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.09
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

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



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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				100															
1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92				92															
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85				85															
3	101	94	88	84	99	92	87	83	89	85	82	87	83	80	85	82	79	78				78															
4	95	86	80	76	93	85	80	75	83	78	74	81	77	73	79	76	73	71				71															
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65				65															
6	84	74	68	63	83	73	67	63	72	66	62	70	66	62	69	65	61	60				60															
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55				55															
8	75	64	58	53	74	64	58	53	63	57	53	62	56	53	61	56	52	51				51															
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	47				47															
10	67	56	50	46	66	56	50	46	55	49	46	54	49	45	53	49	45	44				44															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	73084
5°	74171
10°	76447
15°	79388
20°	80538
25°	76676
30°	68830
35°	55219
40°	37150
45°	18354
50°	10721
55°	6441
60°	2195
65°	467
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18354 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.9	6.9
10°-20°	273.9	21.0
20°-30°	400.7	30.7
30°-40°	351.2	26.9
40°-50°	142.5	10.9
50°-60°	42.5	3.3
60°-70°	4.5	0.3
70°-80°	0.0	0.0
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°	764.5	58.6
0°-40°	1115.7	85.5
0°-60°	1300.8	99.7
0°-90°	1305.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1305.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	926	
5°	936	90
15°	971	274
25°	880	401
35°	573	351
45°	164	143
55°	47	43
65°	2	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	925.8
2.5°	928.4
5°	936.0
7.5°	944.8
10°	953.7
12.5°	962.5
15°	971.4
17.5°	972.6
20°	958.7
22.5°	925.8
25°	880.3
27.5°	823.4
30°	755.1
32.5°	671.6
35°	573.0
37.5°	465.4
40°	360.5
42.5°	251.7
45°	164.4
47.5°	111.3
50°	87.3
52.5°	64.5
55°	46.8
57.5°	30.4
60°	13.9
62.5°	7.6
65°	2.5
67.5°	1.3
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
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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