

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: P641335

Luminaire Tested: ML5612LSVWFL7597FS1E - 593TBZB - 900LM - 5000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641335
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: ML5612LSVWFL7597FS1E - 593TBZB - 900LM - 5000K
Description: ML56 RR, 75D TIR OPTIC, 5" TUSCON BRONZE BAFFLE TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

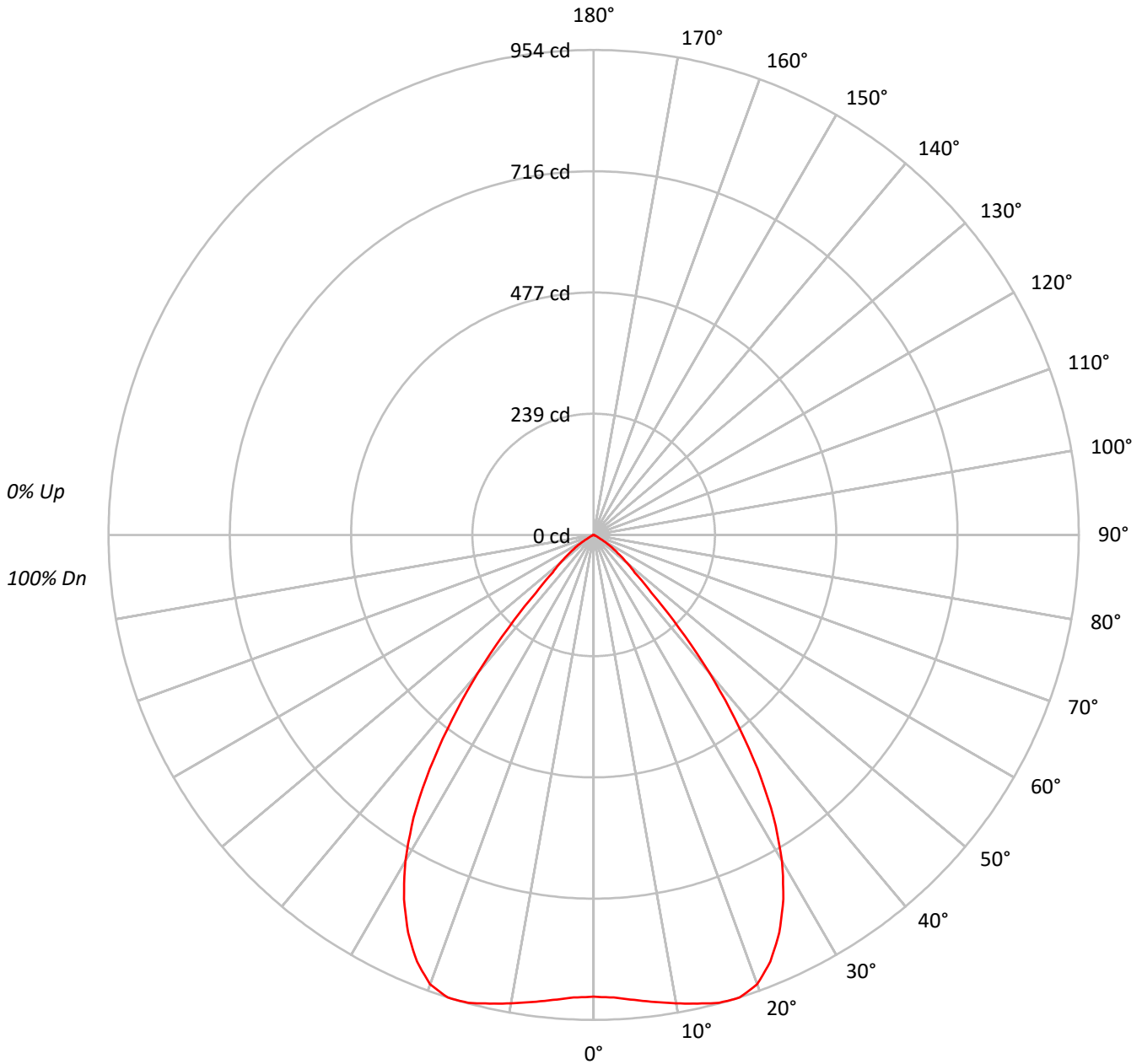
Lumens per Lamp: N/A
Luminaire Lumens: 1280.5 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.09
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

Input Watts (W): 13.3
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				20			
RC	80				70				50				30				10			
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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	111	108	105	103	104	102	100	100	99	97	97	95	94	92		
2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85		
3	101	94	88	84	99	92	87	83	89	85	82	87	83	80	85	82	79	78		
4	95	86	80	76	93	85	80	75	83	78	74	81	77	73	79	76	73	71		
5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65		
6	84	74	68	63	83	73	67	63	72	66	62	70	66	62	69	65	61	60		
7	79	69	62	58	78	68	62	58	67	61	57	66	61	57	65	60	57	55		
8	75	64	58	53	74	64	58	53	63	57	53	62	56	53	61	56	52	51		
9	71	60	54	49	70	60	53	49	59	53	49	58	53	49	57	52	49	47		
10	67	56	50	46	66	56	50	46	55	49	46	54	49	45	53	49	45	44		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	71702
5°	72760
10°	74996
15°	77885
20°	79009
25°	75221
30°	67526
35°	54169
40°	36438
45°	18007
50°	10513
55°	6317
60°	2147
65°	467
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18007 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.2	6.9
10°-20°	268.7	21.0
20°-30°	393.1	30.7
30°-40°	344.6	26.9
40°-50°	139.8	10.9
50°-60°	41.7	3.3
60°-70°	4.4	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°	750.0	58.6
0°-40°	1094.6	85.5
0°-60°	1276.1	99.7
0°-90°	1280.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1280.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	908	
5°	918	88
15°	953	269
25°	864	393
35°	562	345
45°	161	140
55°	46	42
65°	2	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	908.3
2.5°	910.8
5°	918.2
7.5°	926.9
10°	935.6
12.5°	944.3
15°	953.0
17.5°	954.2
20°	940.5
22.5°	908.3
25°	863.6
27.5°	807.8
30°	740.8
32.5°	658.9
35°	562.1
37.5°	456.6
40°	353.6
42.5°	246.9
45°	161.3
47.5°	109.2
50°	85.6
52.5°	63.3
55°	45.9
57.5°	29.8
60°	13.6
62.5°	7.4
65°	2.5
67.5°	1.2
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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