

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: P641506

Luminaire Tested: ML5612LSVWFL7597FS1E - 693TBZB - 600LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641506
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-89)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSVWFL7597FS1E - 693TBZB - 600LM - 2700K
Description: ML56 RR, 75D TIR OPTIC, 6" TUSCON BRONZE BAFFLE TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

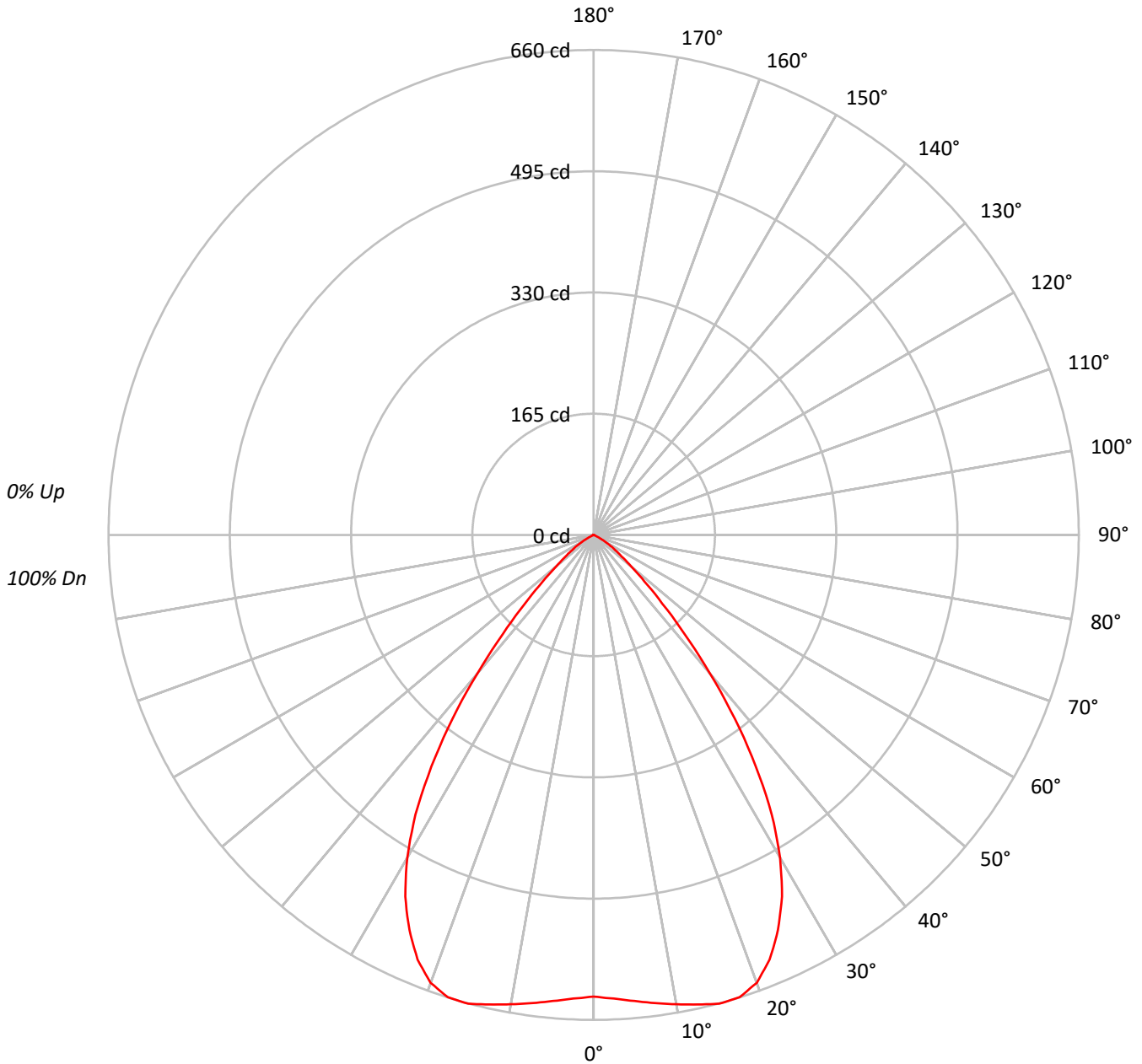
Lumens per Lamp: N/A
Luminaire Lumens: 899.7 lumens
Efficiency: N/A
Efficacy: 87.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.09
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (Ain): 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	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	94	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72	70				70															
5	89	80	73	68	87	79	73	68	77	71	67	75	70	67	73	69	66	65				65															
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59				59															
7	79	69	62	57	77	68	62	57	67	61	57	65	60	56	64	60	56	55				55															
8	74	64	57	53	73	63	57	53	62	56	52	61	56	52	60	55	52	50				50															
9	70	60	53	49	69	59	53	49	58	52	48	57	52	48	56	52	48	47				47															
10	67	56	49	45	66	55	49	45	55	49	45	54	49	45	53	48	45	43				43															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	34438
5°	35037
10°	36105
15°	37486
20°	37838
25°	35887
30°	32113
35°	25745
40°	17604
45°	10226
50°	5663
55°	3412
60°	1776
65°	441
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 10226 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	61.1	6.8
10°-20°	186.0	20.7
20°-30°	270.2	30.0
30°-40°	236.8	26.3
40°-50°	107.4	11.9
50°-60°	33.3	3.7
60°-70°	4.9	0.5
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°	517.4	57.5
0°-40°	754.1	83.8
0°-60°	894.8	99.5
0°-90°	899.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	899.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	628	
5°	637	61
15°	660	186
25°	593	270
35°	385	237
45°	132	107
55°	36	33
65°	3	5
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	628.2
2.5°	631.6
5°	636.7
7.5°	642.6
10°	648.6
12.5°	654.6
15°	660.5
17.5°	659.7
20°	648.6
22.5°	625.6
25°	593.3
27.5°	555.0
30°	507.3
32.5°	451.1
35°	384.7
37.5°	315.8
40°	246.0
42.5°	183.0
45°	131.9
47.5°	93.6
50°	66.4
52.5°	47.7
55°	35.7
57.5°	25.5
60°	16.2
62.5°	7.7
65°	3.4
67.5°	0.9
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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