

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: P641537

Luminaire Tested: ML5612LSVWFL7597FS1E - 694TBZB - 600LM - 3000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641537
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-91)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSVWFL7597FS1E - 694TBZB - 600LM - 3000K
Description: ML56 RR, 75D TIR OPTIC, 6" TUSCON BRONZE GIMBAL TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

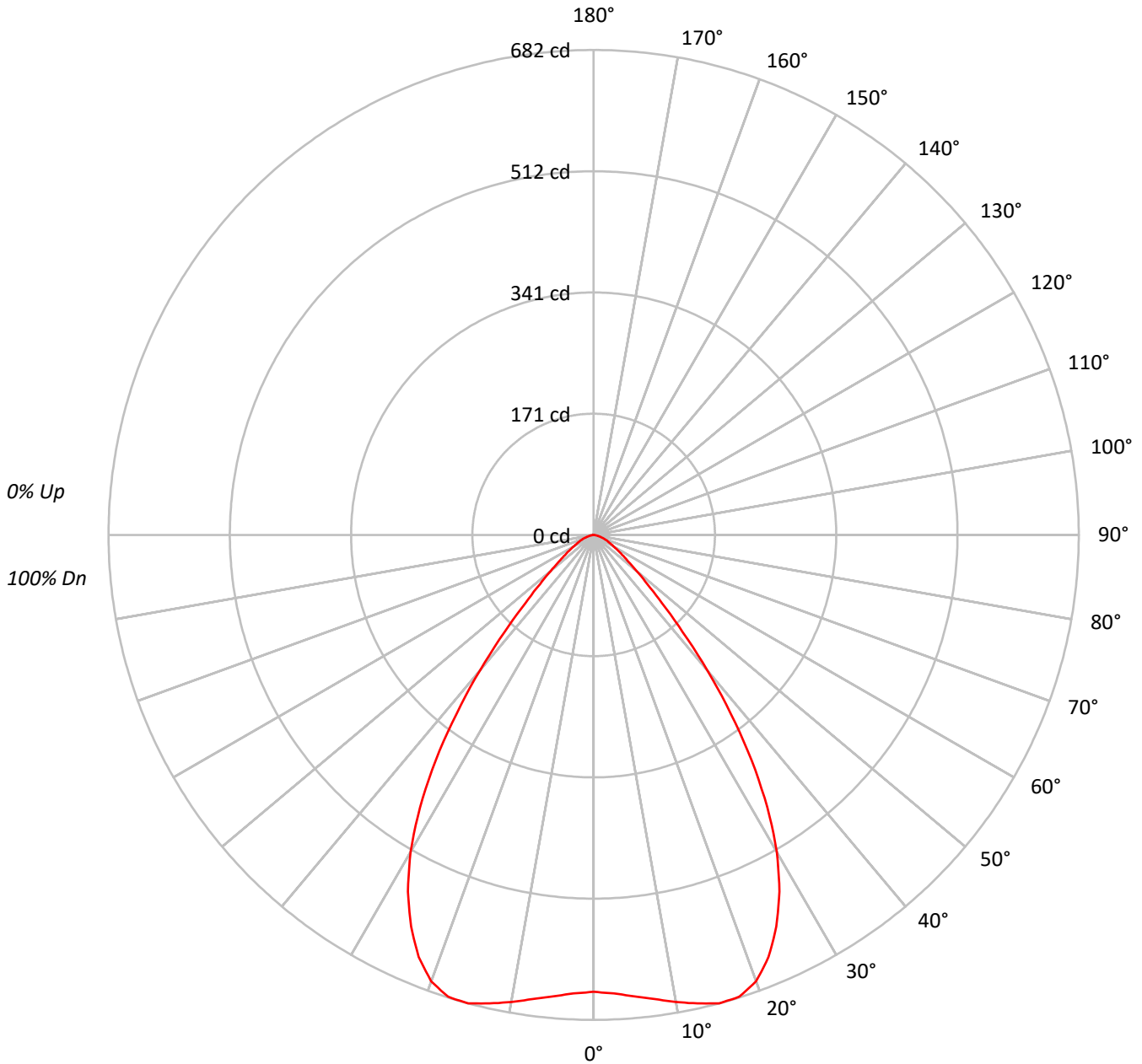
Lumens per Lamp: N/A
Luminaire Lumens: 960.4 lumens
Efficiency: N/A
Efficacy: 93.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.18 / 1.08
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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	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	98	96		96	94	93	91
2	106	100	95	91	103	98	94	90	95	91	88		92	89	86		89	87	85	83
3	99	92	86	81	97	90	85	81	88	83	79		85	81	78		83	80	77	75
4	93	84	78	73	91	83	77	73	81	76	72		79	74	71		77	73	70	68
5	88	78	71	66	86	77	71	66	75	69	65		73	68	65		72	67	64	62
6	82	72	65	60	81	71	65	60	70	64	60		68	63	59		67	62	59	57
7	78	67	60	55	76	66	60	55	65	59	55		64	58	54		62	58	54	52
8	73	62	55	51	72	62	55	51	61	55	50		59	54	50		58	54	50	48
9	69	58	51	47	68	58	51	47	57	51	47		56	50	46		55	50	46	45
10	65	54	48	44	64	54	48	43	53	47	43		52	47	43		51	47	43	42

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	35222
5°	35841
10°	37129
15°	38701
20°	38964
25°	36752
30°	32594
35°	25919
40°	17769
45°	10505
50°	6712
55°	4683
60°	3541
65°	2945
70°	2388
75°	1843
80°	1105
85°	566

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 10505 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.6	6.5
10°-20°	191.8	20.0
20°-30°	276.5	28.8
30°-40°	238.5	24.8
40°-50°	111.8	11.6
50°-60°	45.8	4.8
60°-70°	22.9	2.4
70°-80°	9.3	1.0
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°	530.9	55.3
0°-40°	769.5	80.1
0°-60°	927.0	96.5
0°-90°	960.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	960.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	642	
5°	651	63
15°	682	192
25°	608	276
35°	387	239
45°	136	112
55°	49	46
65°	23	23
75°	9	9
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	642.5
2.5°	645.2
5°	651.3
7.5°	658.3
10°	667.0
12.5°	674.9
15°	681.9
17.5°	681.0
20°	667.9
22.5°	642.5
25°	607.6
27.5°	565.6
30°	514.9
32.5°	454.6
35°	387.3
37.5°	316.5
40°	248.3
42.5°	185.3
45°	135.5
47.5°	102.3
50°	78.7
52.5°	61.2
55°	49.0
57.5°	40.2
60°	32.3
62.5°	27.1
65°	22.7
67.5°	19.2
70°	14.9
72.5°	11.4
75°	8.7
77.5°	6.1
80°	3.5
82.5°	1.7
85°	0.9
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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(END OF REPORT)