

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



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: P641278

Luminaire Tested: ML5612LSVWFL7597FS1E - 592W - 1200LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641278
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSVWFL7597FS1E - 592W - 1200LM - 3500K
Description: ML56 RR, 75D TIR OPTIC, 5" WHITE TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1504.3 lumens
Efficiency: N/A
Efficacy: 91.2 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

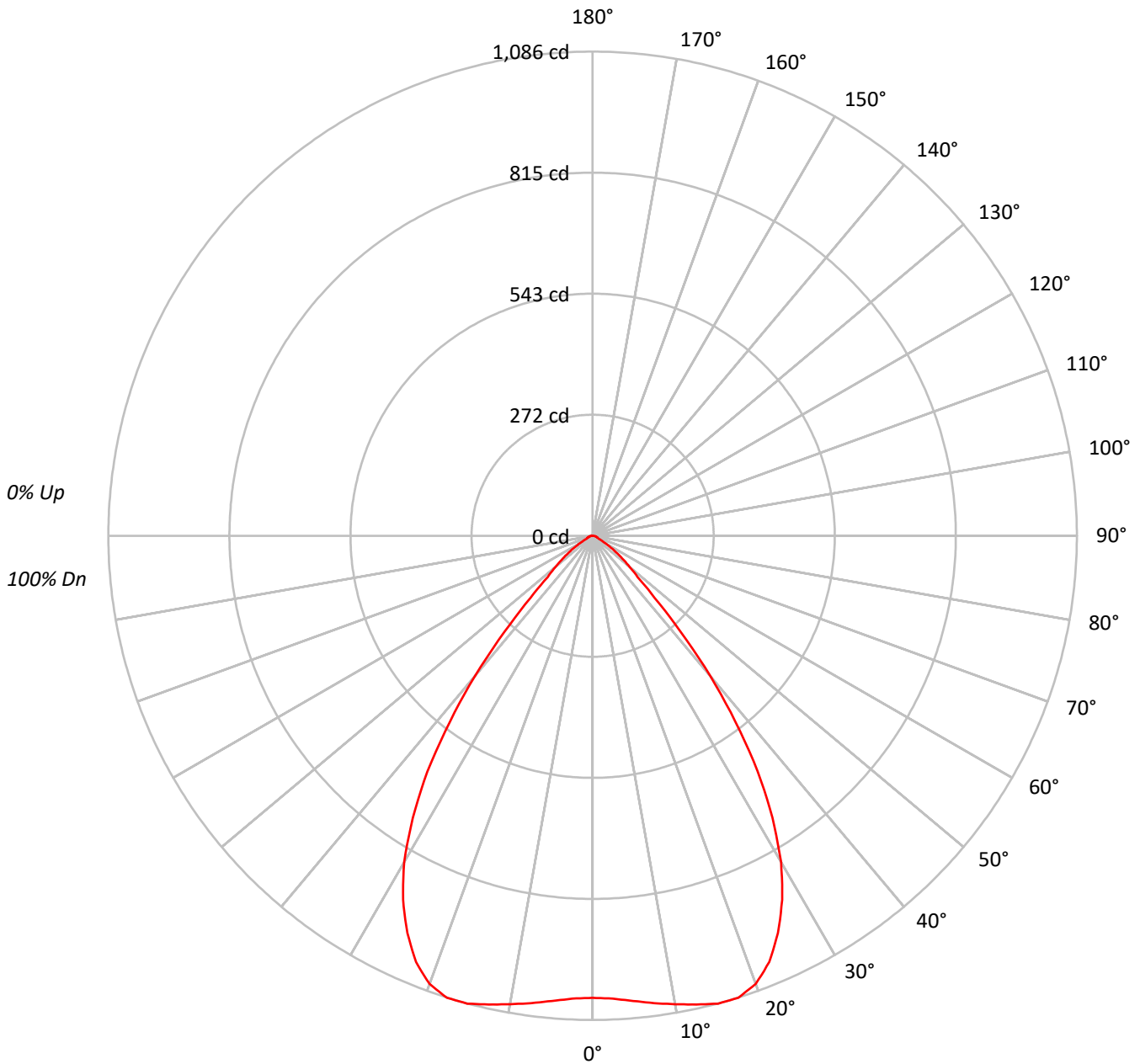
Input Watts (W): 16.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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	113	110	107	104	110	107	105	103	103	101	99	100	98	96	96	95	94	92			
2	106	101	96	92	104	99	95	91	96	92	89	93	90	87	90	87	85	84			
3	100	93	87	83	98	91	86	82	89	84	81	86	82	79	84	81	78	76			
4	94	85	79	74	92	84	78	74	82	77	73	80	76	72	78	74	71	70			
5	88	79	72	68	87	78	72	67	76	71	67	74	70	66	73	69	65	64			
6	83	73	66	62	82	72	66	61	71	65	61	69	64	61	68	64	60	58			
7	78	68	61	57	77	67	61	56	66	60	56	65	60	56	64	59	55	54			
8	74	63	57	52	73	63	56	52	62	56	52	61	55	51	59	55	51	50			
9	70	59	53	48	69	59	52	48	58	52	48	57	51	48	56	51	48	46			
10	66	55	49	45	65	55	49	45	54	48	44	53	48	44	52	48	44	43			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	81799
5°	82999
10°	85521
15°	88787
20°	89862
25°	85638
30°	77043
35°	62226
40°	42251
45°	21948
50°	13362
55°	8836
60°	4626
65°	2596
70°	2585
75°	2562
80°	2546
85°	2536

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 21948 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.6	6.7
10°-20°	306.1	20.3
20°-30°	447.8	29.8
30°-40°	395.0	26.3
40°-50°	168.0	11.2
50°-60°	58.3	3.9
60°-70°	16.7	1.1
70°-80°	8.9	0.6
80°-90°	3.0	0.2
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°	854.5	56.8
0°-40°	1249.5	83.1
0°-60°	1475.8	98.1
0°-90°	1504.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1504.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1036	
5°	1047	101
15°	1086	306
25°	983	448
35°	646	395
45°	197	168
55°	64	58
65°	14	17
75°	8	9
85°	3	3
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1036.2
2.5°	1039.0
5°	1047.4
7.5°	1057.2
10°	1066.9
12.5°	1076.7
15°	1086.4
17.5°	1086.4
20°	1069.7
22.5°	1034.8
25°	983.2
27.5°	920.5
30°	845.2
32.5°	750.3
35°	645.7
37.5°	525.8
40°	410.0
42.5°	291.5
45°	196.6
47.5°	136.7
50°	108.8
52.5°	83.7
55°	64.2
57.5°	46.0
60°	29.3
62.5°	20.9
65°	13.9
67.5°	12.6
70°	11.2
72.5°	9.8
75°	8.4
77.5°	7.0
80°	5.6
82.5°	4.2
85°	2.8
87.5°	1.4
90°	0.0

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Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

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— 0°-180°

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(END OF REPORT)