

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: P641433

Luminaire Tested: ML5612LSVWFL7597FS1E - 692H - 600LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641433
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-84)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSVWFL7597FS1E - 692H - 600LM - 3500K
Description: ML56 RR, 75D TIR OPTIC, 6" HAZE TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 974.9 lumens
Efficiency: N/A
Efficacy: 94.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.17 / 1.08
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

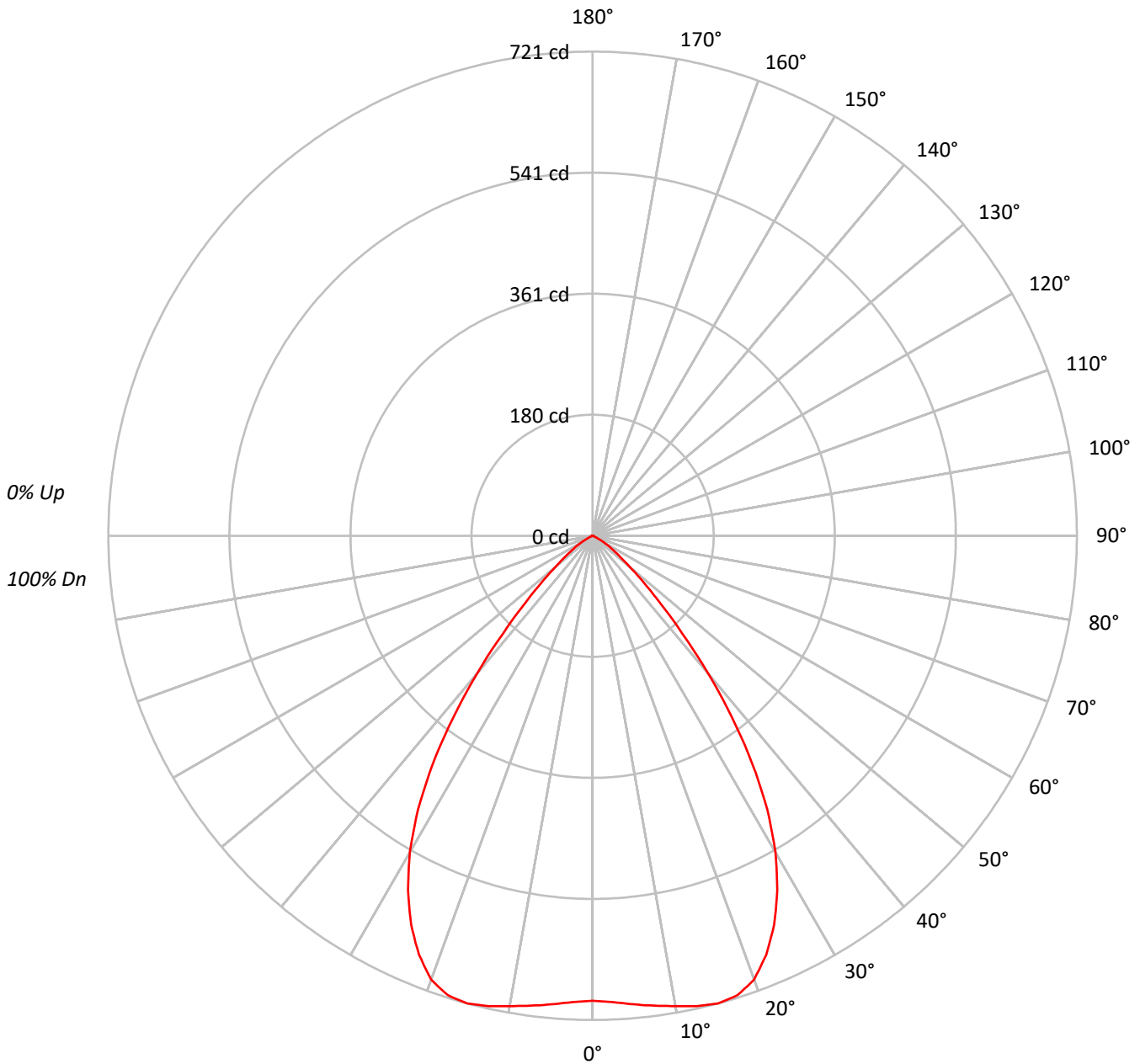
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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	105	110	108	105	103	104	102	100	100	98	97	96	95	94	92				
2	107	101	97	93	104	99	95	92	96	93	90	93	90	88	90	88	86	84				
3	100	93	88	83	98	92	87	83	89	85	81	87	83	80	84	81	79	77				
4	94	86	80	75	93	85	79	75	83	78	74	81	76	73	79	75	72	70				
5	89	80	73	68	87	79	73	68	77	71	67	75	70	67	73	69	66	65				
6	84	74	67	62	82	73	67	62	71	66	62	70	65	61	69	64	61	59				
7	79	69	62	57	77	68	62	57	67	61	57	65	60	56	64	60	56	55				
8	74	64	57	53	73	63	57	53	62	56	52	61	56	52	60	55	52	50				
9	70	60	53	49	69	59	53	49	58	53	49	57	52	48	56	52	48	47				
10	67	56	50	45	66	55	49	45	55	49	45	54	49	45	53	48	45	43				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	341567
5°	346883
10°	356255
15°	368275
20°	369158
25°	348025
30°	309977
35°	249836
40°	171771
45°	99638
50°	55111
55°	33203
60°	17762
65°	5253
70°	1298
75°	1716
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 99638 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.2	6.9
10°-20°	202.8	20.8
20°-30°	291.0	29.8
30°-40°	254.8	26.1
40°-50°	116.4	11.9
50°-60°	36.2	3.7
60°-70°	5.8	0.6
70°-80°	0.6	0.1
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°	561.0	57.5
0°-40°	815.8	83.7
0°-60°	968.5	99.3
0°-90°	974.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	974.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	692	
5°	700	67
15°	721	203
25°	639	291
35°	415	255
45°	143	116
55°	39	36
65°	4	6
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	692.3
2.5°	695.0
5°	700.4
7.5°	705.8
10°	711.1
12.5°	717.4
15°	721.0
17.5°	717.4
20°	703.1
22.5°	675.2
25°	639.3
27.5°	595.3
30°	544.1
32.5°	484.0
35°	414.8
37.5°	340.3
40°	266.7
42.5°	197.5
45°	142.8
47.5°	102.4
50°	71.8
52.5°	52.1
55°	38.6
57.5°	27.8
60°	18.0
62.5°	8.1
65°	4.5
67.5°	1.8
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
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)