

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: P641254

Luminaire Tested: ML5612LSVWFL7597FS1E - 592H - 600LM - 4000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641254
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-72)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSVWFL7597FS1E - 592H - 600LM - 4000K
Description: ML56 RR, 75D TIR OPTIC, 5" HAZE TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 4000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1044.1 lumens
Efficiency: N/A
Efficacy: 101.4 lumens/watt
Spacing Criteria (0/90/45): 1.16 / 1.16 / 1.07
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

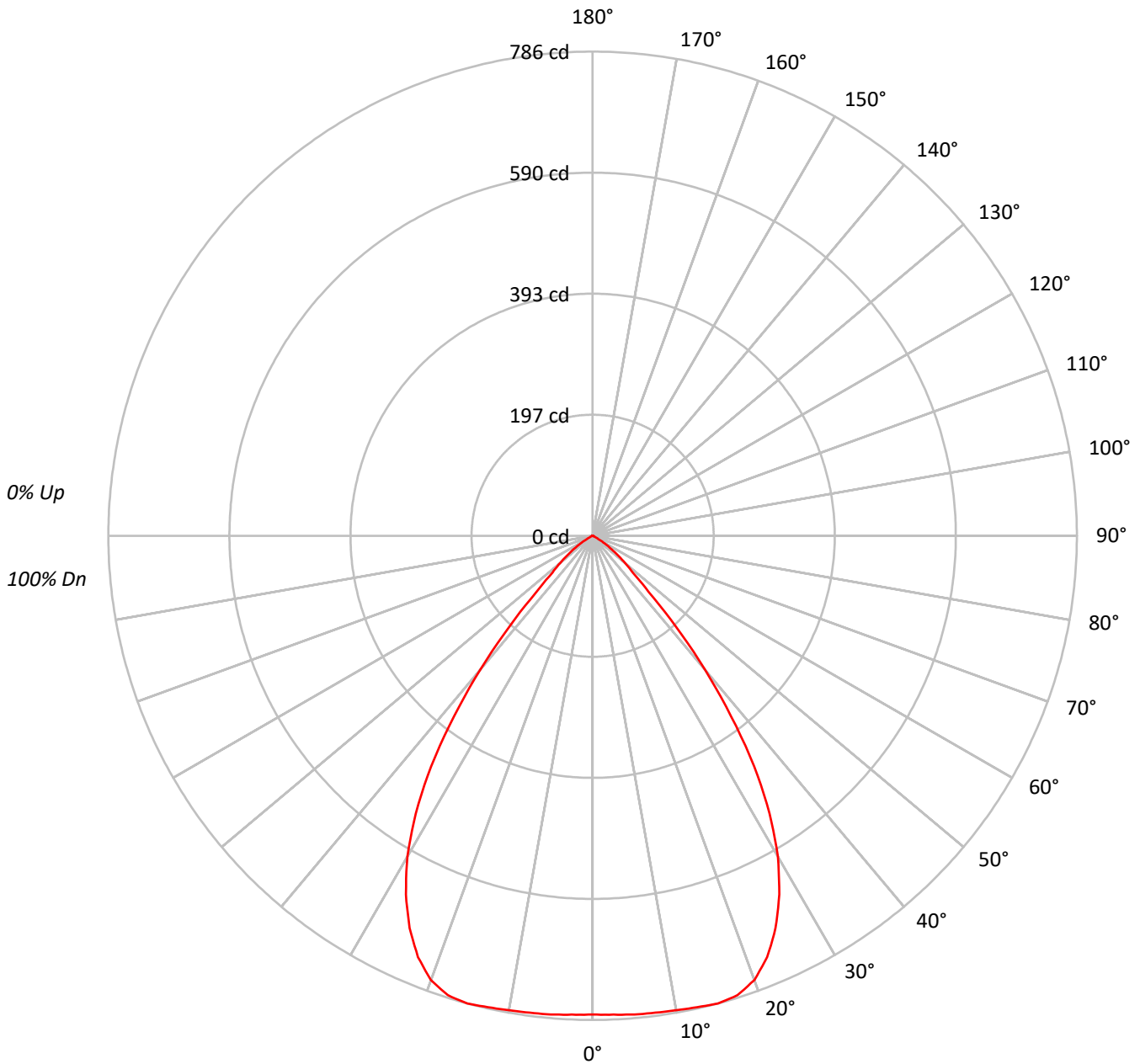
Input Watts (W): 10.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
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	111	108	105	103	104	102	100	100	99	97	97	95	94	93			93																
2	107	101	97	93	105	100	96	92	96	93	90	93	91	88	91	88	87	85			85																
3	101	94	88	84	99	92	87	83	90	85	82	87	84	81	85	82	79	78			78																
4	95	87	81	76	93	85	80	75	83	78	75	81	77	74	79	76	73	71			71																
5	89	80	74	69	88	79	73	69	77	72	68	76	71	68	74	70	67	65			65																
6	84	74	68	63	83	74	67	63	72	67	63	71	66	62	69	65	62	60			60																
7	79	69	63	58	78	69	62	58	67	62	58	66	61	57	65	60	57	55			55																
8	75	65	58	54	74	64	58	53	63	57	53	62	57	53	61	56	53	51			51																
9	71	60	54	50	70	60	54	50	59	53	49	58	53	49	57	52	49	48			48																
10	67	57	50	46	66	56	50	46	55	50	46	55	49	46	54	49	46	44			44																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	61353
5°	61817
10°	62684
15°	64228
20°	64476
25°	61206
30°	54801
35°	44060
40°	29184
45°	14357
50°	8425
55°	4927
60°	1674
65°	355
70°	231
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14357 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.5	7.1
10°-20°	221.4	21.2
20°-30°	319.9	30.6
30°-40°	279.2	26.7
40°-50°	112.2	10.7
50°-60°	32.9	3.2
60°-70°	3.5	0.3
70°-80°	0.4	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°	615.8	59.0
0°-40°	895.0	85.7
0°-60°	1040.2	99.6
0°-90°	1044.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1044.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	777	
5°	780	75
15°	786	221
25°	703	320
35°	457	279
45°	129	112
55°	36	33
65°	2	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	777.2
2.5°	778.1
5°	780.1
7.5°	781.0
10°	782.0
12.5°	783.9
15°	785.9
17.5°	782.0
20°	767.5
22.5°	740.4
25°	702.7
27.5°	656.3
30°	601.2
32.5°	534.5
35°	457.2
37.5°	369.2
40°	283.2
42.5°	199.1
45°	128.6
47.5°	88.0
50°	68.6
52.5°	50.3
55°	35.8
57.5°	23.2
60°	10.6
62.5°	5.8
65°	1.9
67.5°	1.0
70°	1.0
72.5°	1.0
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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(END OF REPORT)