

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: P641451

Luminaire Tested: ML5612LSVWFL7597FS1E - 692SC - 900LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641451
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-83)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSVWFL7597FS1E - 692SC - 900LM - 2700K
Description: ML56 RR, 75D TIR OPTIC, 6" SPECULAR CLEAR TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1193.6 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Spacing Criteria (0/90/45): 1.02 / 1.02 / 1.01
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

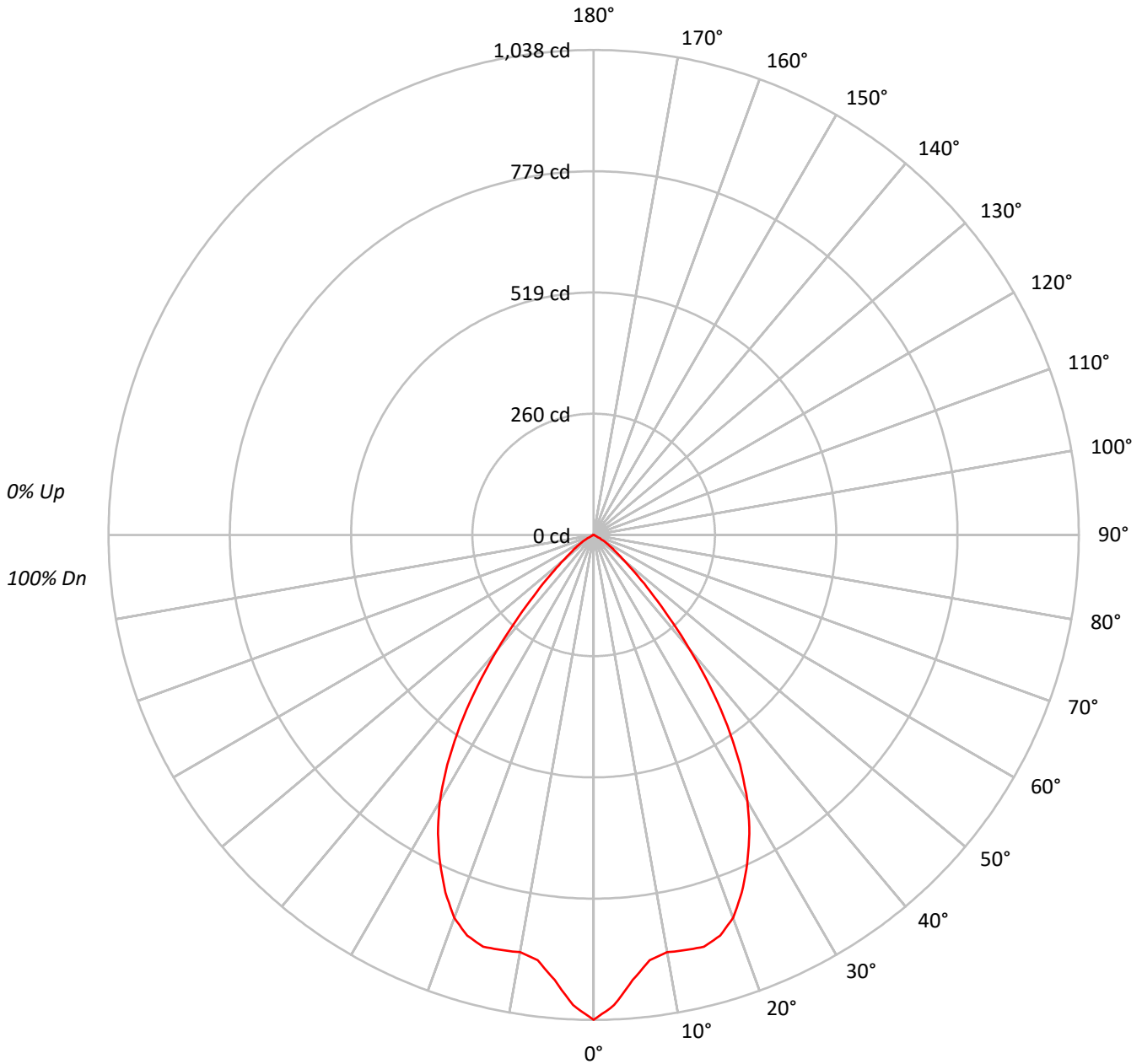
Input Watts (W): 13.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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									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	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	99	97	97	95	94	92	92	92	92	100															
	1	113	110	107	105	111	108	105	103	104	102	100	100	99	97	97	95	94	92	92	92	92	92	92	92	92	92	92	92	92															
	2	107	101	97	93	104	100	96	92	96	93	90	93	91	88	91	88	86	85	85	85	85	85	85	85	85	85	85	85	85															
	3	101	94	88	84	99	92	87	83	89	85	82	87	83	80	85	82	79	78	78	78	78	78	78	78	78	78	78	78	78															
	4	95	86	80	76	93	85	80	75	83	78	74	81	77	73	79	76	73	71	71	71	71	71	71	71	71	71	71	71	71	71														
	5	89	80	74	69	88	79	73	69	77	72	68	76	71	67	74	70	67	65	65	65	65	65	65	65	65	65	65	65	65	65														
	6	84	74	68	63	83	74	67	63	72	66	62	70	66	62	69	65	61	60	60	60	60	60	60	60	60	60	60	60	60	60														
	7	79	69	63	58	78	68	62	58	67	62	57	66	61	57	65	60	57	55	55	55	55	55	55	55	55	55	55	55	55	55														
	8	75	65	58	53	74	64	58	53	63	57	53	62	57	53	61	56	53	51	51	51	51	51	51	51	51	51	51	51	51	51														
	9	71	60	54	50	70	60	54	49	59	53	49	58	53	49	57	52	49	47	47	47	47	47	47	47	47	47	47	47	47	47														
	10	67	57	50	46	66	56	50	46	55	50	46	54	49	46	54	49	46	44	44	44	44	44	44	44	44	44	44	44	44	44														

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	56898
5°	52614
10°	50483
15°	51782
20°	50871
25°	47005
30°	41658
35°	33381
40°	22886
45°	13203
50°	7164
55°	4272
60°	2270
65°	571
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13203 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.7	7.5
10°-20°	255.5	21.4
20°-30°	354.9	29.7
30°-40°	306.8	25.7
40°-50°	138.7	11.6
50°-60°	41.8	3.5
60°-70°	6.2	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°	700.1	58.7
0°-40°	1006.9	84.4
0°-60°	1187.4	99.5
0°-90°	1193.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1193.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1038	
5°	956	90
15°	912	255
25°	777	355
35°	499	307
45°	170	139
55°	45	42
65°	4	6
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1037.9
2.5°	1007.3
5°	956.1
7.5°	917.9
10°	906.9
12.5°	910.2
15°	912.4
17.5°	899.3
20°	872.0
22.5°	828.4
25°	777.1
27.5°	721.4
30°	658.1
32.5°	582.8
35°	498.8
37.5°	409.3
40°	319.8
42.5°	236.8
45°	170.3
47.5°	120.1
50°	84.0
52.5°	60.0
55°	44.7
57.5°	31.7
60°	20.7
62.5°	9.8
65°	4.4
67.5°	1.1
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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