

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: P640746

Luminaire Tested: ML5612LSFL4097FS1E - 692H - 900LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P640746
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-38)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSFL4097FS1E - 692H - 900LM - 2700K
Description: ML56 RR, 40D TIR OPTIC, 6" HAZE TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

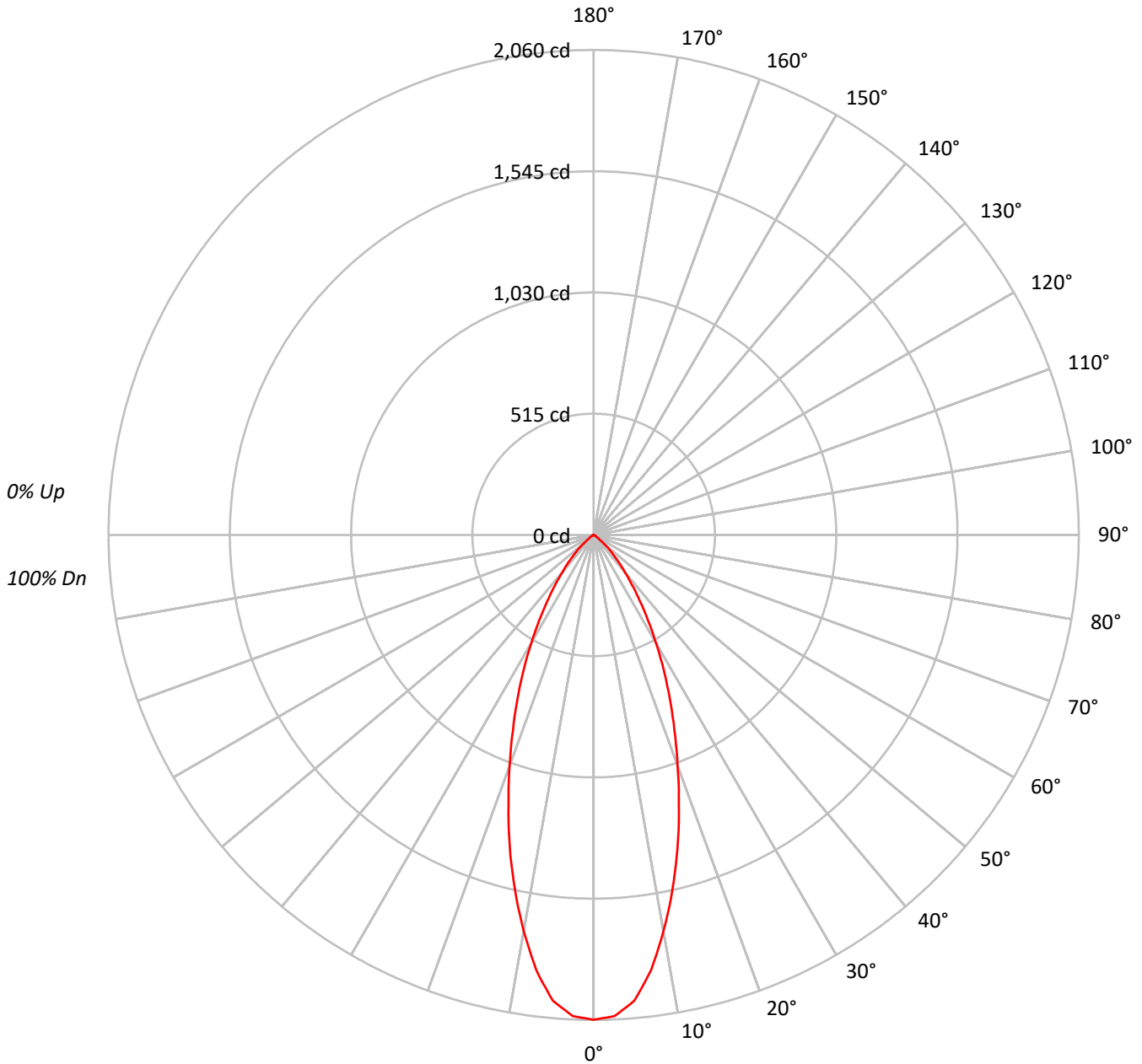
Lumens per Lamp: N/A
Luminaire Lumens: 1245.9 lumens
Efficiency: N/A
Efficacy: 93.7 lumens/watt
Spacing Criteria (0/90/45): 0.64 / 0.64 / 0.69
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

Input Watts (W): 13.3
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	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	100	100	100	100													
	1	114	111	109	106	111	109	107	105	105	103	102	101	100	98	98	97	96	94	94	94	94	94	94													
	2	108	104	100	96	106	102	98	95	99	96	93	96	93	91	93	91	89	88	88	88	88	88	88													
	3	103	97	92	88	101	95	91	87	93	89	86	90	87	85	88	86	83	82	82	82	82	82	82													
	4	98	91	85	81	96	90	85	81	87	83	80	86	82	79	84	81	78	77	77	77	77	77	77													
	5	93	85	80	75	92	84	79	75	83	78	74	81	77	74	79	76	73	72	72	72	72	72	72													
	6	89	80	75	70	87	80	74	70	78	73	70	77	72	69	75	72	69	67	67	67	67	67	67													
	7	85	76	70	66	83	75	70	66	74	69	65	73	68	65	72	68	65	63	63	63	63	63	63													
	8	81	72	66	62	80	71	66	62	70	65	62	69	65	61	68	64	61	60	60	60	60	60	60													
	9	77	68	62	59	76	68	62	58	67	62	58	66	61	58	65	61	58	57	57	57	57	57	57													
	10	74	65	59	55	73	64	59	55	64	59	55	63	58	55	62	58	55	54	54	54	54	54	54													

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	112902
5°	109311
10°	95144
15°	78111
20°	60806
25°	46146
30°	33436
35°	22861
40°	14763
45°	9055
50°	4563
55°	1873
60°	1195
65°	428
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9055 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	180.4	14.5
10°-20°	380.1	30.5
20°-30°	349.9	28.1
30°-40°	216.7	17.4
40°-50°	93.7	7.5
50°-60°	21.1	1.7
60°-70°	4.0	0.3
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°	910.4	73.1
0°-40°	1127.1	90.5
0°-60°	1242.0	99.7
0°-90°	1245.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1245.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	2060	
5°	1986	180
15°	1376	380
25°	763	350
35°	342	217
45°	117	94
55°	20	21
65°	3	4
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	2059.5
2.5°	2045.3
5°	1986.4
7.5°	1865.2
10°	1709.2
12.5°	1544.4
15°	1376.3
17.5°	1203.8
20°	1042.3
22.5°	895.0
25°	762.9
27.5°	640.7
30°	528.2
32.5°	428.9
35°	341.6
37.5°	267.4
40°	206.3
42.5°	159.3
45°	116.8
47.5°	86.2
50°	53.5
52.5°	28.4
55°	19.6
57.5°	15.3
60°	10.9
62.5°	6.5
65°	3.3
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

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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)