

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: P641896

Luminaire Tested: ML5612LSVWFL97FS1E - 694WB - 600LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641896
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-113)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSVWFL97FS1E - 694WB - 600LM - 2700K
Description: ML56 RR, MILKY OPTIC, 6" WHITE GIMBAL TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

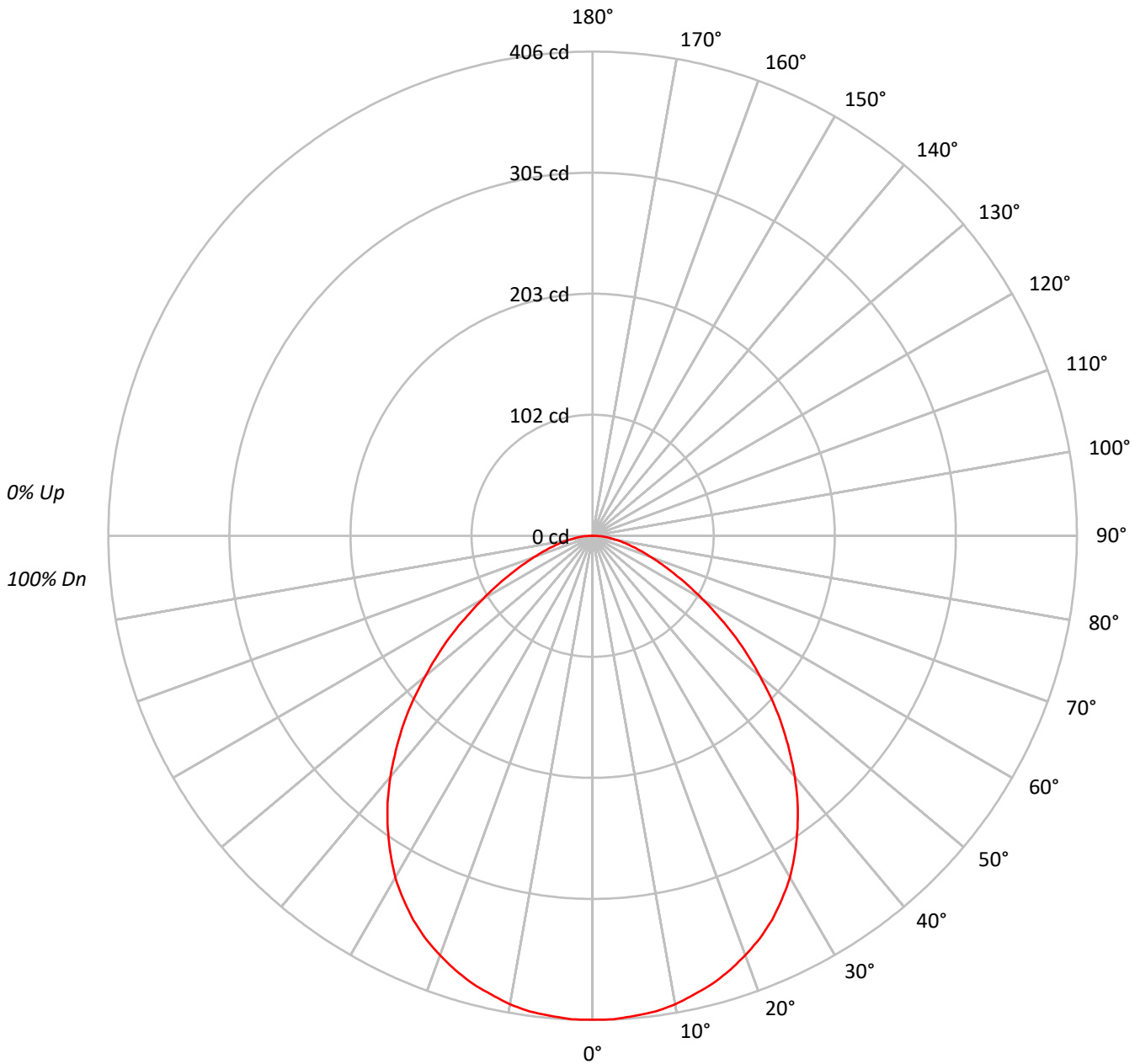
Lumens per Lamp: N/A
Luminaire Lumens: 923.5 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.28
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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	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	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86	86	86	86	86	86		
	2	101	94	88	83	99	92	86	82	88	84	80	85	81	78	82	79	76	74	74	74	74	74	74		
	3	93	83	76	70	91	82	75	70	79	73	68	76	71	67	74	70	66	64	64	64	64	64	64		
	4	86	75	67	61	84	73	66	60	71	64	59	69	63	59	67	62	58	56	56	56	56	56	56		
	5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	61	55	51	49	49	49	49	49	49		
	6	74	61	53	47	72	60	52	46	58	51	46	57	51	46	55	50	45	43	43	43	43	43	43		
	7	68	56	47	42	67	55	47	41	53	46	41	52	46	41	51	45	41	39	39	39	39	39	39		
	8	64	51	43	37	62	50	43	37	49	42	37	48	42	37	47	41	37	35	35	35	35	35	35		
	9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	38	33	32	32	32	32	32	32		
	10	56	44	36	31	55	43	36	31	42	35	31	41	35	31	40	35	30	29	29	29	29	29	29		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	22246
5°	22237
10°	22211
15°	22066
20°	21836
25°	21509
30°	20946
35°	20037
40°	18871
45°	17413
50°	15599
55°	13744
60°	11655
65°	9819
70°	8319
75°	7202
80°	6440
85°	6416

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17413 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.4	4.2
10°-20°	109.6	11.9
20°-30°	163.5	17.7
30°-40°	186.8	20.2
40°-50°	172.7	18.7
50°-60°	128.5	13.9
60°-70°	76.1	8.2
70°-80°	36.9	4.0
80°-90°	11.1	1.2
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°	311.5	33.7
0°-40°	498.3	54.0
0°-60°	799.5	86.6
0°-90°	923.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	923.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	406	
5°	404	38
15°	389	110
25°	356	163
35°	299	187
45°	225	173
55°	144	129
65°	76	76
75°	34	37
85°	10	11
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	405.8
2.5°	405.8
5°	404.1
7.5°	402.4
10°	399.0
12.5°	393.9
15°	388.8
17.5°	382.0
20°	374.3
22.5°	365.8
25°	355.6
27.5°	343.7
30°	330.9
32.5°	315.6
35°	299.4
37.5°	282.4
40°	263.7
42.5°	244.1
45°	224.6
47.5°	204.2
50°	182.9
52.5°	163.3
55°	143.8
57.5°	124.2
60°	106.3
62.5°	90.2
65°	75.7
67.5°	63.0
70°	51.9
72.5°	42.5
75°	34.0
77.5°	27.2
80°	20.4
82.5°	14.5
85°	10.2
87.5°	6.0
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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