

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: P641733

Luminaire Tested: ML5612LSVWFL97FS1E - 594WB - 600LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641733
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-101)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSVWFL97FS1E - 594WB - 600LM - 3500K
Description: ML56 RR, MILKY OPTIC, 5" WHITE GIMBAL TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

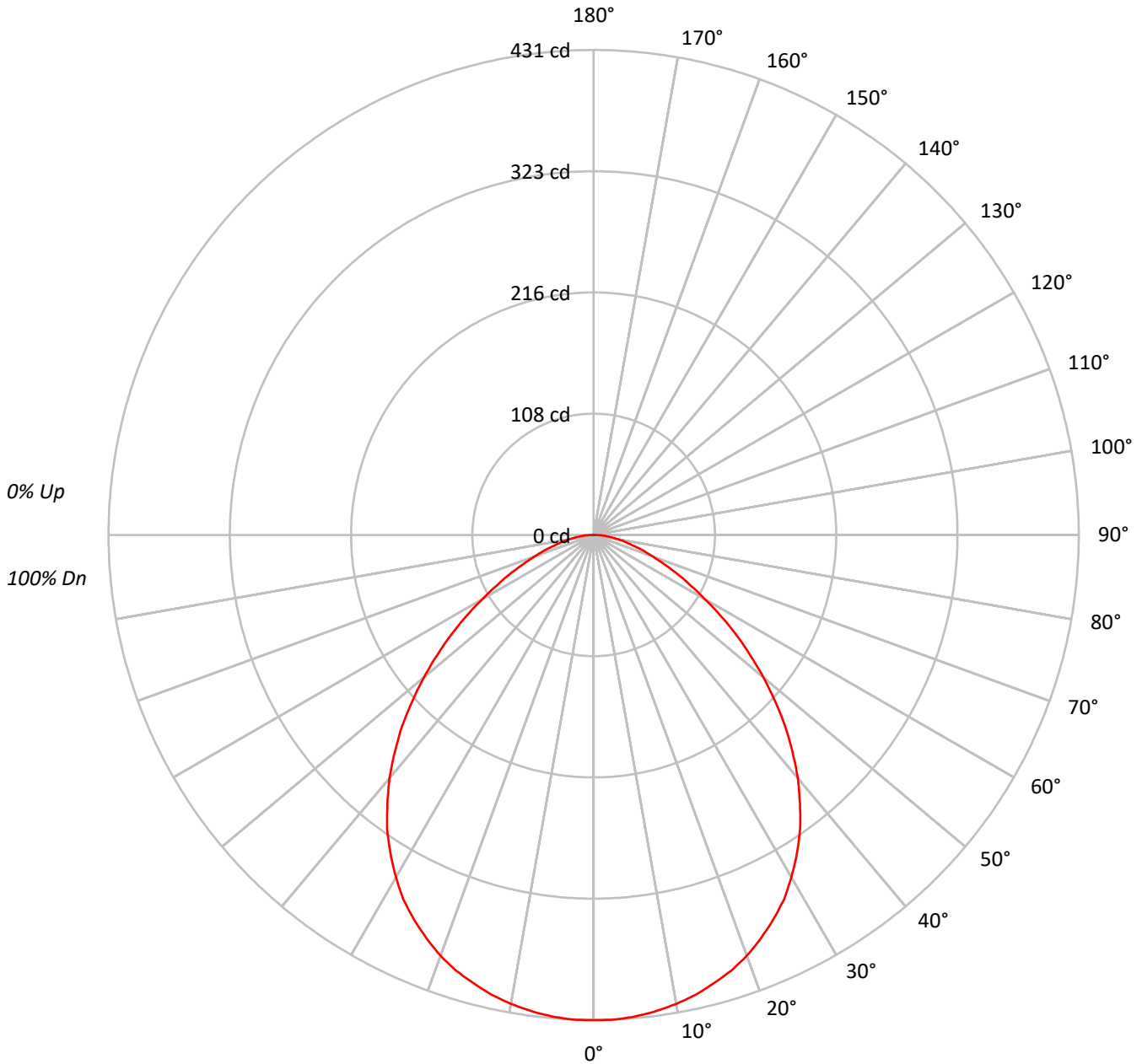
Lumens per Lamp: N/A
Luminaire Lumens: 985.7 lumens
Efficiency: N/A
Efficacy: 95.7 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.21 / 1.28
Luminous Opening: Circular (Dia: 0.42' x H: 0')
CIE Type: Direct

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																			
1	110	106	102	99	107	104	100	97	99	97	94	96	93	91	92	90	88	86																			
2	101	94	88	82	99	92	86	82	88	84	80	85	81	78	82	79	76	74																			
3	93	83	76	70	91	82	75	69	79	73	68	76	71	67	74	70	66	64																			
4	86	75	67	60	84	73	66	60	71	64	59	69	63	58	67	62	58	56																			
5	79	67	59	53	77	66	58	53	64	57	52	62	56	51	60	55	51	49																			
6	74	61	53	47	72	60	52	46	58	51	46	57	50	46	55	50	45	43																			
7	68	56	47	42	67	55	47	41	53	46	41	52	46	41	51	45	41	39																			
8	64	51	43	37	62	50	43	37	49	42	37	48	41	37	47	41	37	35																			
9	60	47	39	34	58	46	39	34	45	38	34	44	38	33	43	37	33	31																			
10	56	43	36	31	55	43	36	31	42	35	31	41	35	31	40	34	30	29																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	34039
5°	34035
10°	33923
15°	33704
20°	33435
25°	32863
30°	32022
35°	30819
40°	29070
45°	26883
50°	24169
55°	21264
60°	18014
65°	15279
70°	12856
75°	10950
80°	9819
85°	8967

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 26883 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.8	4.1
10°-20°	116.4	11.8
20°-30°	173.6	17.6
30°-40°	199.2	20.2
40°-50°	185.0	18.8
50°-60°	138.1	14.0
60°-70°	81.8	8.3
70°-80°	39.3	4.0
80°-90°	11.5	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°	330.8	33.6
0°-40°	530.0	53.8
0°-60°	853.1	86.5
0°-90°	985.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	985.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	431	
5°	430	41
15°	412	116
25°	377	174
35°	320	199
45°	241	185
55°	154	138
65°	82	82
75°	36	39
85°	10	12
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	431.2
2.5°	431.2
5°	429.5
7.5°	426.8
10°	423.2
12.5°	418.7
15°	412.4
17.5°	406.1
20°	398.0
22.5°	388.1
25°	377.3
27.5°	365.7
30°	351.3
32.5°	336.0
35°	319.8
37.5°	301.0
40°	282.1
42.5°	261.4
45°	240.8
47.5°	218.3
50°	196.8
52.5°	175.2
55°	154.5
57.5°	133.9
60°	114.1
62.5°	97.0
65°	81.8
67.5°	67.4
70°	55.7
72.5°	45.8
75°	35.9
77.5°	28.7
80°	21.6
82.5°	15.3
85°	9.9
87.5°	6.3
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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