

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: P641702

Luminaire Tested: ML5612LSVWFL97FS1E - 594SNB - 600LM - 3000K

Issue Date: 2/17/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P641702  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-102)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/17/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: ML5612LSVWFL97FS1E - 594SNB - 600LM - 3000K  
Description: ML56 RR, MILKY OPTIC, 5" SATIN NICKLE GIMBAL TRIM  
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

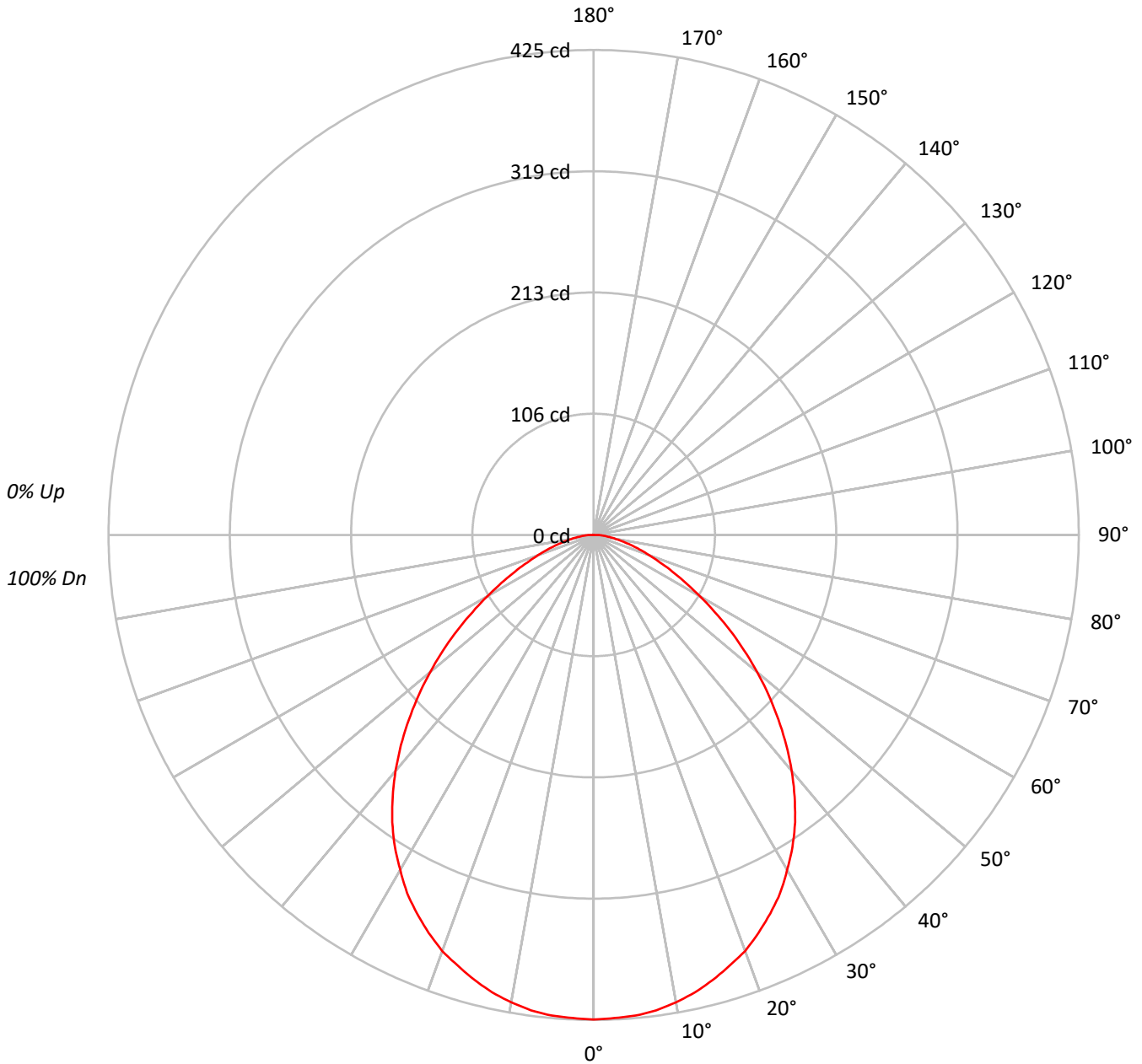
Lumens per Lamp: N/A  
Luminaire Lumens: 943.7 lumens  
Efficiency: N/A  
Efficacy: 91.6 lumens/watt  
Spacing Criteria (0/90/45): 1.19 / 1.19 / 1.26  
Luminous Opening: Circular (Dia: 0.42' x H: 0')  
CIE Type: Direct

Input Watts (W): 10.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	108	104	100	97	100	97	94	96	93	91	92	90	89	87																			
2	101	94	88	83	99	92	87	82	89	84	80	85	82	78	83	79	76	74																			
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64																			
4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56																			
5	80	68	59	53	78	67	59	53	65	58	52	63	57	52	61	56	51	49																			
6	74	61	53	47	72	60	53	47	59	52	46	57	51	46	56	50	46	44																			
7	69	56	48	42	67	55	47	42	54	47	42	52	46	41	51	45	41	39																			
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35																			
9	60	47	39	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32																			
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	41	35	31	29																			

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	33526
5°	33512
10°	33338
15°	32993
20°	32595
25°	31888
30°	30901
35°	29643
40°	27824
45°	25554
50°	22966
55°	20080
60°	16972
65°	14196
70°	11910
75°	10126
80°	8728
85°	8695

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 25554 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	40.1	4.3
10°-20°	113.8	12.1
20°-30°	168.4	17.8
30°-40°	191.6	20.3
40°-50°	176.3	18.7
50°-60°	130.5	13.8
60°-70°	76.4	8.1
70°-80°	35.8	3.8
80°-90°	10.7	1.1
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°	322.4	34.2
0°-40°	514.0	54.5
0°-60°	820.8	87.0
0°-90°	943.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	943.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	425	
5°	423	40
15°	404	114
25°	366	168
35°	308	192
45°	229	176
55°	146	131
65°	76	76
75°	33	36
85°	10	11
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	424.7
2.5°	423.8
5°	422.9
7.5°	420.3
10°	415.9
12.5°	410.7
15°	403.7
17.5°	395.8
20°	388.0
22.5°	377.5
25°	366.1
27.5°	353.9
30°	339.0
32.5°	324.2
35°	307.6
37.5°	289.2
40°	270.0
42.5°	249.9
45°	228.9
47.5°	208.0
50°	187.0
52.5°	166.0
55°	145.9
57.5°	125.8
60°	107.5
62.5°	90.9
65°	76.0
67.5°	62.9
70°	51.6
72.5°	41.9
75°	33.2
77.5°	25.3
80°	19.2
82.5°	14.0
85°	9.6
87.5°	6.1
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)