

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: P641728

Luminaire Tested: ML5612LSVWFL97FS1E - 594WB - 1200LM - 3500K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641728
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 - 1200LM - 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: 1530.8 lumens
Efficiency: N/A
Efficacy: 92.8 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

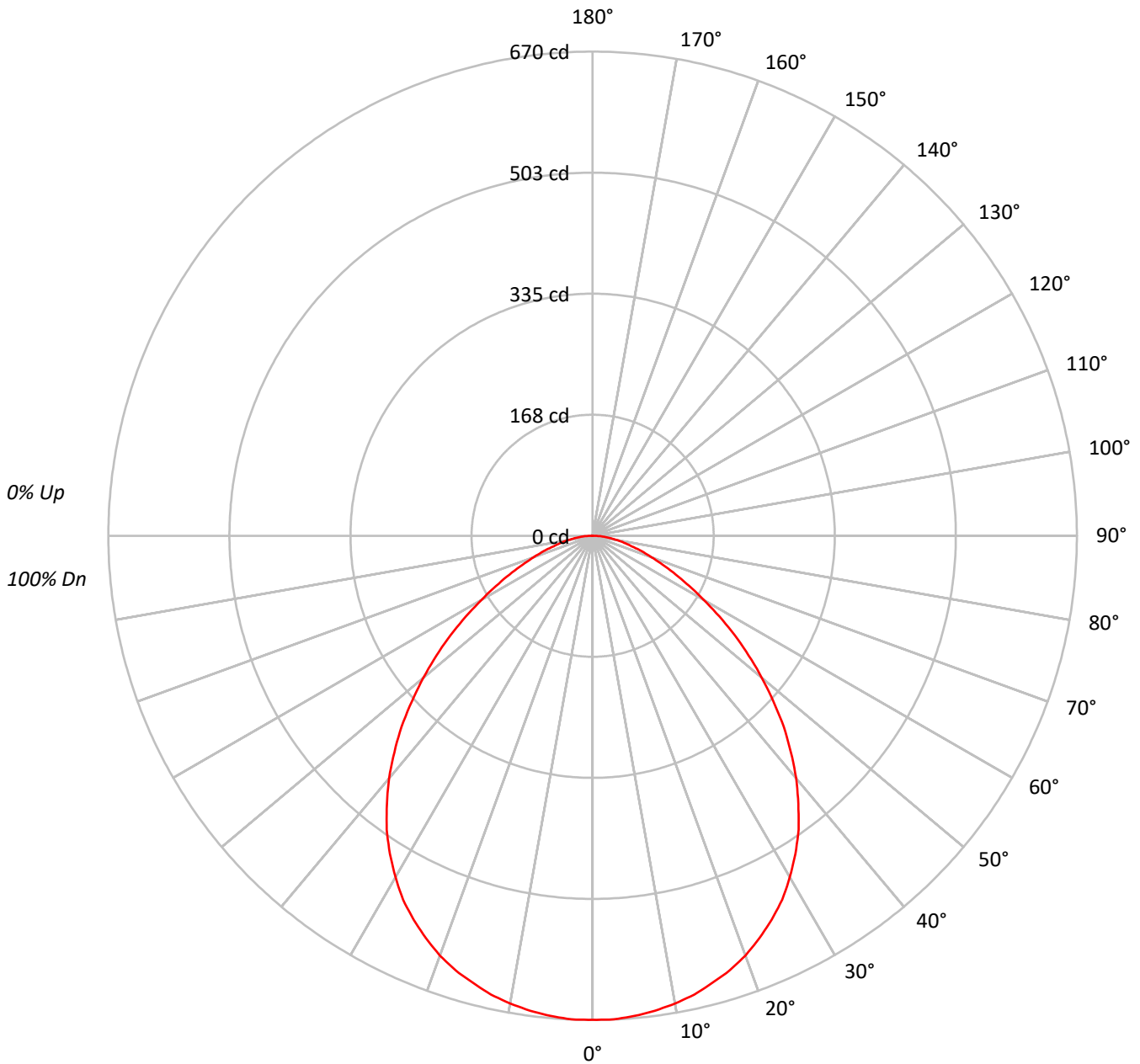
Input Watts (W): 16.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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°	52875
5°	52855
10°	52680
15°	52345
20°	51925
25°	51050
30°	49733
35°	47867
40°	45146
45°	41753
50°	37531
55°	33031
60°	27977
65°	23722
70°	19965
75°	17019
80°	15229
85°	13858

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 41753 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.4	4.1
10°-20°	180.8	11.8
20°-30°	269.7	17.6
30°-40°	309.3	20.2
40°-50°	287.3	18.8
50°-60°	214.5	14.0
60°-70°	127.0	8.3
70°-80°	61.1	4.0
80°-90°	17.8	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°	513.8	33.6
0°-40°	823.1	53.8
0°-60°	1324.9	86.5
0°-90°	1530.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1530.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	670	
5°	667	63
15°	640	181
25°	586	270
35°	497	309
45°	374	287
55°	240	215
65°	127	127
75°	56	61
85°	15	18
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	669.8
2.5°	669.8
5°	667.0
7.5°	662.8
10°	657.2
12.5°	650.2
15°	640.5
17.5°	630.7
20°	618.1
22.5°	602.8
25°	586.1
27.5°	567.9
30°	545.6
32.5°	521.9
35°	496.7
37.5°	467.4
40°	438.1
42.5°	406.0
45°	374.0
47.5°	339.1
50°	305.6
52.5°	272.1
55°	240.0
57.5°	207.9
60°	177.2
62.5°	150.7
65°	127.0
67.5°	104.7
70°	86.5
72.5°	71.2
75°	55.8
77.5°	44.7
80°	33.5
82.5°	23.7
85°	15.3
87.5°	9.8
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)