

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: P641775

Luminaire Tested: ML5612LSVWFL97FS1E - 692H - 1200LM - 5000K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641775
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-107)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSVWFL97FS1E - 692H - 1200LM - 5000K
Description: ML56 RR, MILKY OPTIC, 6" HAZE TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

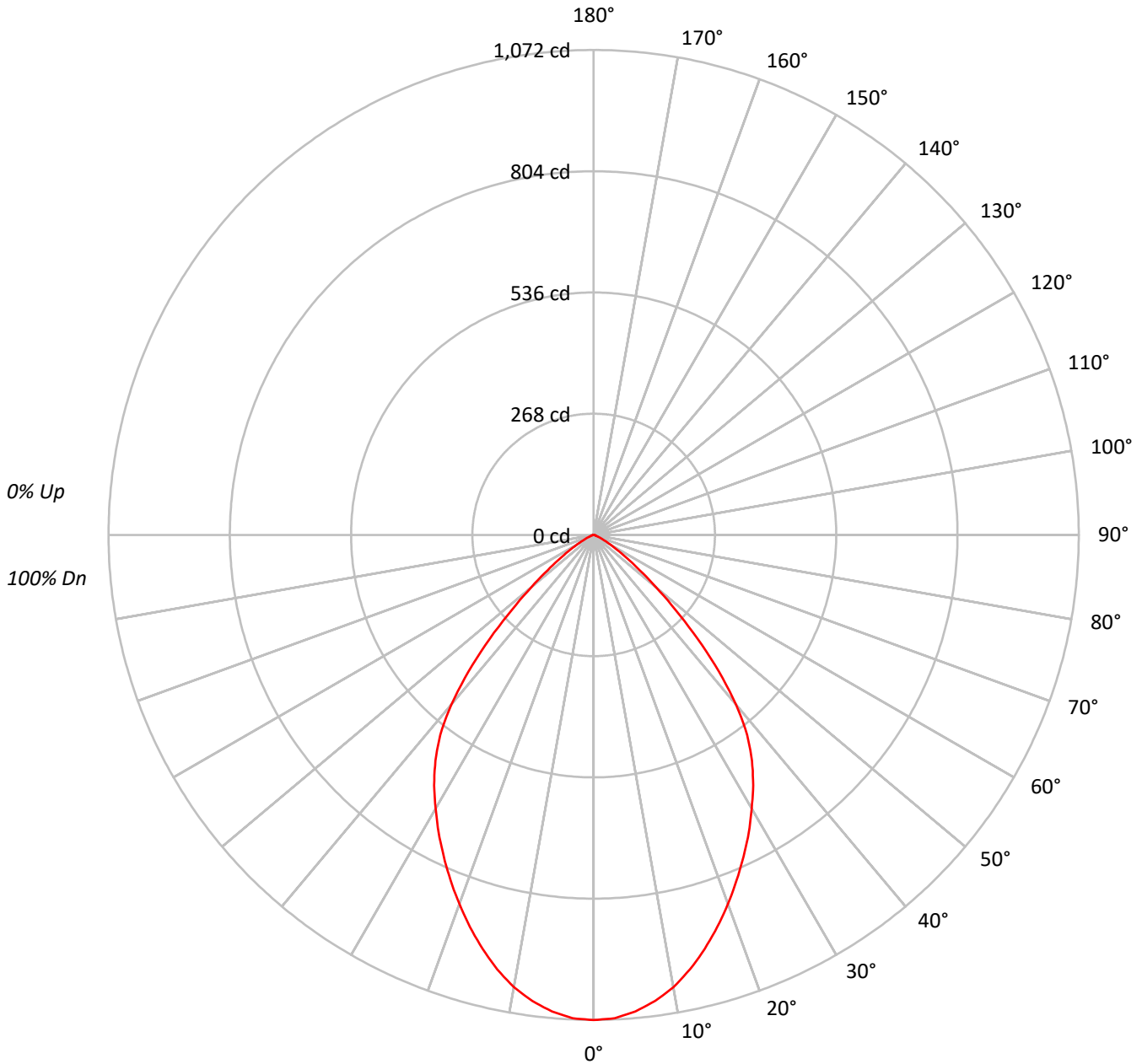
Lumens per Lamp: N/A
Luminaire Lumens: 1464.5 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Spacing Criteria (0/90/45): 1.01 / 1.01 / 1.1
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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									
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	112	109	106	104	110	107	105	102	103	101	99	99	98	96	96	94	93	91																			
2	106	100	95	91	103	98	94	90	95	91	88	92	89	86	89	87	84	83																			
3	99	91	86	81	97	90	85	80	87	83	79	85	81	78	82	79	76	75																			
4	93	84	77	72	91	83	77	72	80	75	71	78	74	70	76	72	69	67																			
5	87	77	70	65	85	76	70	65	74	68	64	72	67	64	71	66	63	61																			
6	81	71	64	59	80	70	64	59	69	63	58	67	62	58	66	61	57	56																			
7	77	66	59	54	75	65	58	54	64	58	53	62	57	53	61	56	53	51																			
8	72	61	54	49	71	60	54	49	59	53	49	58	53	49	57	52	48	47																			
9	68	57	50	45	67	56	50	45	55	49	45	54	49	45	53	48	45	43																			
10	64	53	46	42	63	52	46	42	52	46	42	51	45	41	50	45	41	40																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	58784
5°	58183
10°	56512
15°	53780
20°	50638
25°	47416
30°	44203
35°	40803
40°	35037
45°	25150
50°	15240
55°	8611
60°	4616
65°	2140
70°	1202
75°	953
80°	474
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 25150 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.6	6.8
10°-20°	265.8	18.2
20°-30°	360.5	24.6
30°-40°	377.1	25.8
40°-50°	250.9	17.1
50°-60°	86.3	5.9
60°-70°	19.3	1.3
70°-80°	4.3	0.3
80°-90°	0.6	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°	725.9	49.6
0°-40°	1103.0	75.3
0°-60°	1440.2	98.3
0°-90°	1464.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1464.5	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1072	
5°	1057	100
15°	948	266
25°	784	360
35°	610	377
45°	324	251
55°	90	86
65°	16	19
75°	4	4
85°	0	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1072.3
2.5°	1069.3
5°	1057.3
7.5°	1039.2
10°	1015.2
12.5°	983.7
15°	947.6
17.5°	908.6
20°	868.0
22.5°	826.0
25°	783.9
27.5°	741.9
30°	698.3
32.5°	656.3
35°	609.7
37.5°	557.2
40°	489.6
42.5°	410.0
45°	324.4
47.5°	244.8
50°	178.7
52.5°	127.7
55°	90.1
57.5°	61.6
60°	42.1
62.5°	27.0
65°	16.5
67.5°	10.5
70°	7.5
72.5°	4.5
75°	4.5
77.5°	3.0
80°	1.5
82.5°	1.5
85°	0.0
87.5°	0.0
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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(END OF REPORT)