

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: P641876

Luminaire Tested: ML5612LSVWFL97FS1E - 694TBZB - 1200LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P641876
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2212-866-114)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 2/17/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML5612LSVWFL97FS1E - 694TBZB - 1200LM - 2700K
Description: ML56 RR, MILKY OPTIC, 6" TUSCON BRONZE GIMBAL TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

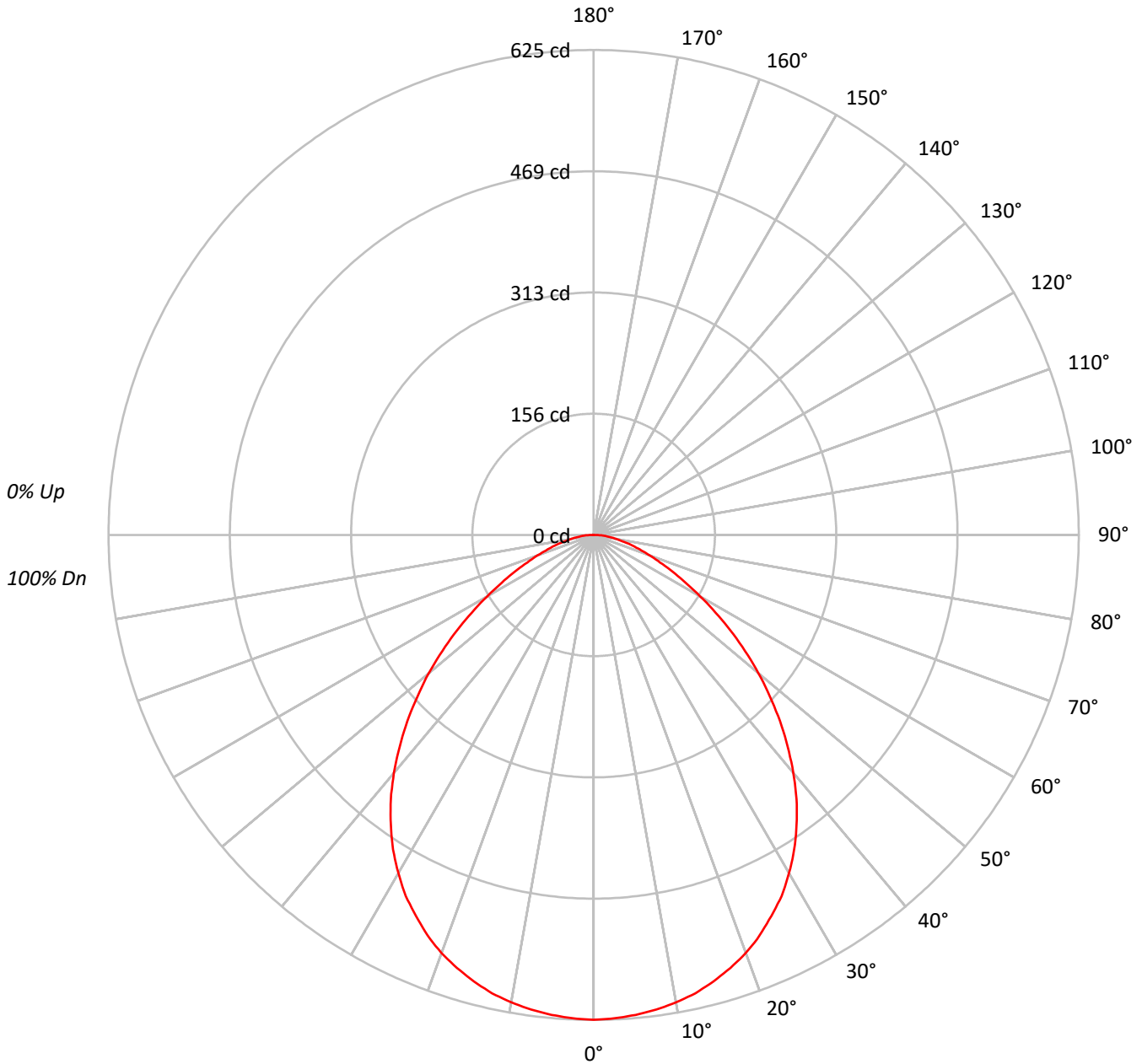
Lumens per Lamp: N/A
Luminaire Lumens: 1397.3 lumens
Efficiency: N/A
Efficacy: 84.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.2 / 1.27
Luminous Opening: Circular (Dia: 0.5' x H: 0')
CIE Type: Direct

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				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			100
1	110	106	102	99	107	104	100	97	100	97	94	96	93	91	92	90	89	87			87
2	101	94	88	83	99	92	87	82	89	84	80	85	82	78	82	79	76	74			74
3	93	84	76	70	91	82	75	70	79	73	69	77	72	67	74	70	66	64			64
4	86	75	67	61	84	74	66	60	71	65	60	69	63	59	67	62	58	56			56
5	80	68	59	53	78	67	59	53	64	58	52	63	57	52	61	56	51	49			49
6	74	61	53	47	72	60	53	47	59	52	46	57	51	46	56	50	46	44			44
7	69	56	48	42	67	55	47	42	54	47	42	52	46	41	51	45	41	39			39
8	64	51	43	38	63	51	43	38	49	42	37	48	42	37	47	41	37	35			35
9	60	47	39	34	59	47	39	34	46	39	34	45	38	34	44	38	34	32			32
10	56	44	36	31	55	43	36	31	42	36	31	41	35	31	40	35	31	29			29

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	34257
5°	34168
10°	34051
15°	33814
20°	33451
25°	32766
30°	31866
35°	30504
40°	28647
45°	26321
50°	23658
55°	20578
60°	17378
65°	14567
70°	12278
75°	10633
80°	9187
85°	9120

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 26321 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.0	4.2
10°-20°	168.0	12.0
20°-30°	249.4	17.8
30°-40°	284.2	20.3
40°-50°	261.2	18.7
50°-60°	193.0	13.8
60°-70°	112.6	8.1
70°-80°	53.6	3.8
80°-90°	16.2	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°	476.4	34.1
0°-40°	760.6	54.4
0°-60°	1214.9	86.9
0°-90°	1397.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1397.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	625	
5°	621	59
15°	596	168
25°	542	249
35°	456	284
45°	340	261
55°	215	193
65°	112	113
75°	50	54
85°	14	16
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	624.9
2.5°	623.6
5°	620.9
7.5°	617.0
10°	611.7
12.5°	605.1
15°	595.8
17.5°	585.3
20°	573.4
22.5°	558.8
25°	541.7
27.5°	524.5
30°	503.4
32.5°	480.9
35°	455.8
37.5°	429.4
40°	400.3
42.5°	369.9
45°	339.5
47.5°	307.8
50°	277.4
52.5°	245.7
55°	215.3
57.5°	186.3
60°	158.5
62.5°	133.4
65°	112.3
67.5°	92.5
70°	76.6
72.5°	62.1
75°	50.2
77.5°	38.3
80°	29.1
82.5°	21.1
85°	14.5
87.5°	9.2
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)