

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: P643551

Luminaire Tested: ML5615LSVWFL9FS1E - 594WB - 900LM - 2700K

Issue Date: 2/17/2023

Test Information

Test Method: LM-79-2019
Report Number: P643551
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: ML5615LSVWFL9FS1E - 594WB - 900LM - 2700K
Description: ML56 RR, MILKY OPTIC, 5" WHITE GIMBAL TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1097.1 lumens
Efficiency: N/A
Efficacy: 104.5 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

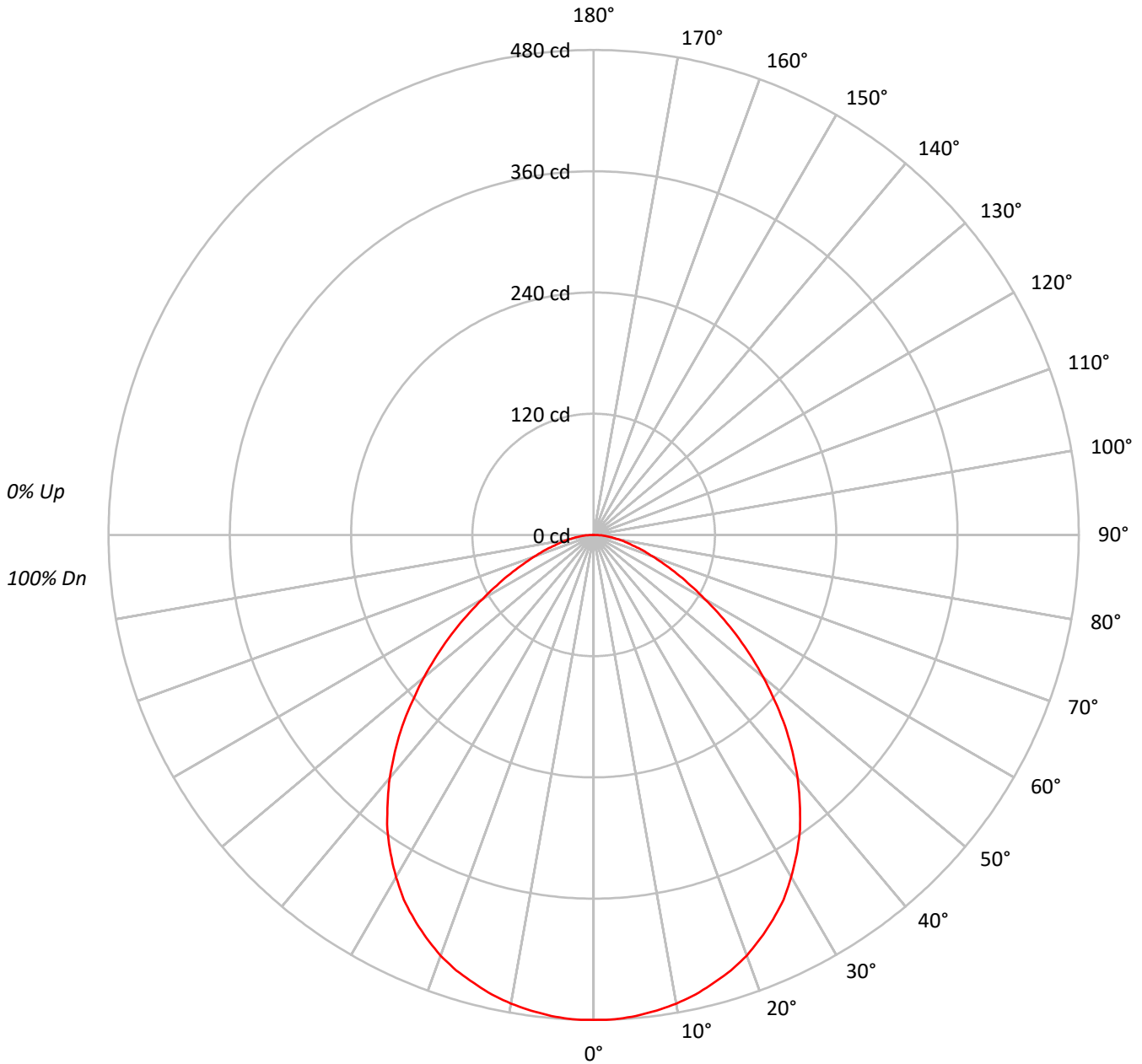
Input Watts (W): 10.5
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	37892
5°	37878
10°	37755
15°	37512
20°	37215
25°	36583
30°	35641
35°	34307
40°	32358
45°	29919
50°	26895
55°	23672
60°	20051
65°	16998
70°	14310
75°	12200
80°	10910
85°	9963

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 29919 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	4.1
10°-20°	129.6	11.8
20°-30°	193.2	17.6
30°-40°	221.7	20.2
40°-50°	205.9	18.8
50°-60°	153.7	14.0
60°-70°	91.0	8.3
70°-80°	43.8	4.0
80°-90°	12.8	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°	368.2	33.6
0°-40°	589.9	53.8
0°-60°	949.5	86.5
0°-90°	1097.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1097.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	480	
5°	478	45
15°	459	130
25°	420	193
35°	356	222
45°	268	206
55°	172	154
65°	91	91
75°	40	44
85°	11	13
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	480
2.5°	480
5°	478
7.5°	475
10°	471
12.5°	466
15°	459
17.5°	452
20°	443
22.5°	432
25°	420
27.5°	407
30°	391
32.5°	374
35°	356
37.5°	335
40°	314
42.5°	291
45°	268
47.5°	243
50°	219
52.5°	195
55°	172
57.5°	149
60°	127
62.5°	108
65°	91
67.5°	75
70°	62
72.5°	51
75°	40
77.5°	32
80°	24
82.5°	17
85°	11
87.5°	7
90°	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)