

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: P885758

Luminaire Tested: ML104LSFL95FS1E-TIR1D55WFL-TL1RDSL-340LM-2700K

Issue Date: 6/19/2024

Test Information

Test Method: LM-79-2019
Report Number: P885758
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-131)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/19/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML104LSFL95FS1E-TIR1D55WFL-TL1RDSL-340LM-2700K
Description: 1IN ROUND ML FLEX, SELECTABLE CCT, WITH 55D TIR, METALLIC SILVER TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 2700K CCT
Ballast/Driver: -

Summary

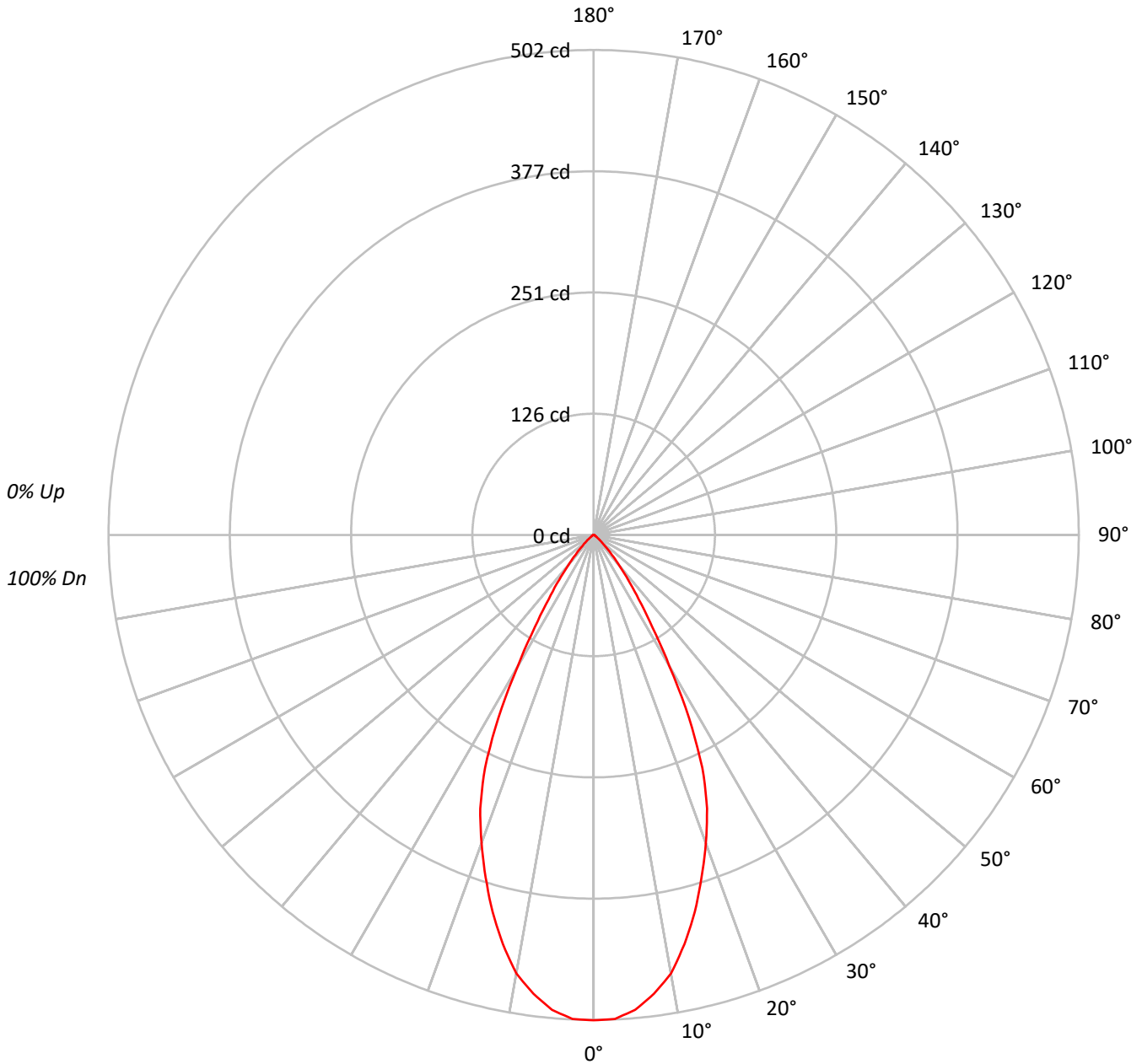
Lumens per Lamp: N/A
Luminaire Lumens: 350.6 lumens
Efficiency: N/A
Efficacy: 57.5 lumens/watt
Spacing Criteria (0/90/45): 0.8 / 0.8 / 0.77
Luminous Opening: Circular (Dia: 0.08' x H: 0')
CIE Type: Direct

Input Watts (W): 6.1
Input Voltage (V): NR
Input Current (Ain): 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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94																			
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88																			
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83																			
4	99	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77																			
5	94	86	81	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73																			
6	90	81	76	72	88	80	75	71	79	74	71	78	73	70	76	73	70	68																			
7	86	77	71	67	84	76	71	67	75	70	67	74	69	66	73	69	66	65																			
8	82	73	67	63	81	72	67	63	71	66	63	70	66	63	69	65	62	61																			
9	78	69	63	60	77	69	63	60	68	63	59	67	62	59	66	62	59	58																			
10	75	66	60	57	74	65	60	56	64	60	56	64	59	56	63	59	56	55																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	991507
5°	977465
10°	923638
15°	825641
20°	712388
25°	579449
30°	357779
35°	195631
40°	104597
45°	50238
50°	24869
55°	12387
60°	7105
65°	8406
70°	5193
75°	6863
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 50238 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.0	13.1
10°-20°	112.3	32.0
20°-30°	117.2	33.4
30°-40°	53.8	15.3
40°-50°	15.5	4.4
50°-60°	3.7	1.1
60°-70°	1.4	0.4
70°-80°	0.6	0.2
80°-90°	0.0	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°	275.6	78.6
0°-40°	329.4	93.9
0°-60°	348.6	99.4
0°-90°	350.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	350.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	502	
5°	493	46
15°	404	112
25°	266	117
35°	81	54
45°	18	16
55°	4	4
65°	2	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	502.4
2.5°	501.5
5°	493.4
7.5°	479.0
10°	460.9
12.5°	433.9
15°	404.1
17.5°	371.6
20°	339.2
22.5°	306.7
25°	266.1
27.5°	213.8
30°	157.0
32.5°	112.8
35°	81.2
37.5°	58.6
40°	40.6
42.5°	28.0
45°	18.0
47.5°	11.7
50°	8.1
52.5°	5.4
55°	3.6
57.5°	2.7
60°	1.8
62.5°	1.8
65°	1.8
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
77.5°	0.0
80°	0.0
82.5°	0.0
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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