

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: P885643

Luminaire Tested: ML104LSFL95FS1E-TIR1D25NFL-TL1RDSLb-340LM-2700K

Issue Date: 7/18/2024

Test Information

Test Method: LM-79-2019
Report Number: P885643
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-122)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/18/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML104LSFL95FS1E-TIR1D25NFL-TL1RDSL B-340LM-2700K
Description: 1IN ROUND ML FLEX, SELECTABLE CCT, WITH 25D TIR, METALLIC SILVER BAFFLED TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 2700K CCT
Ballast/Driver: -

Summary

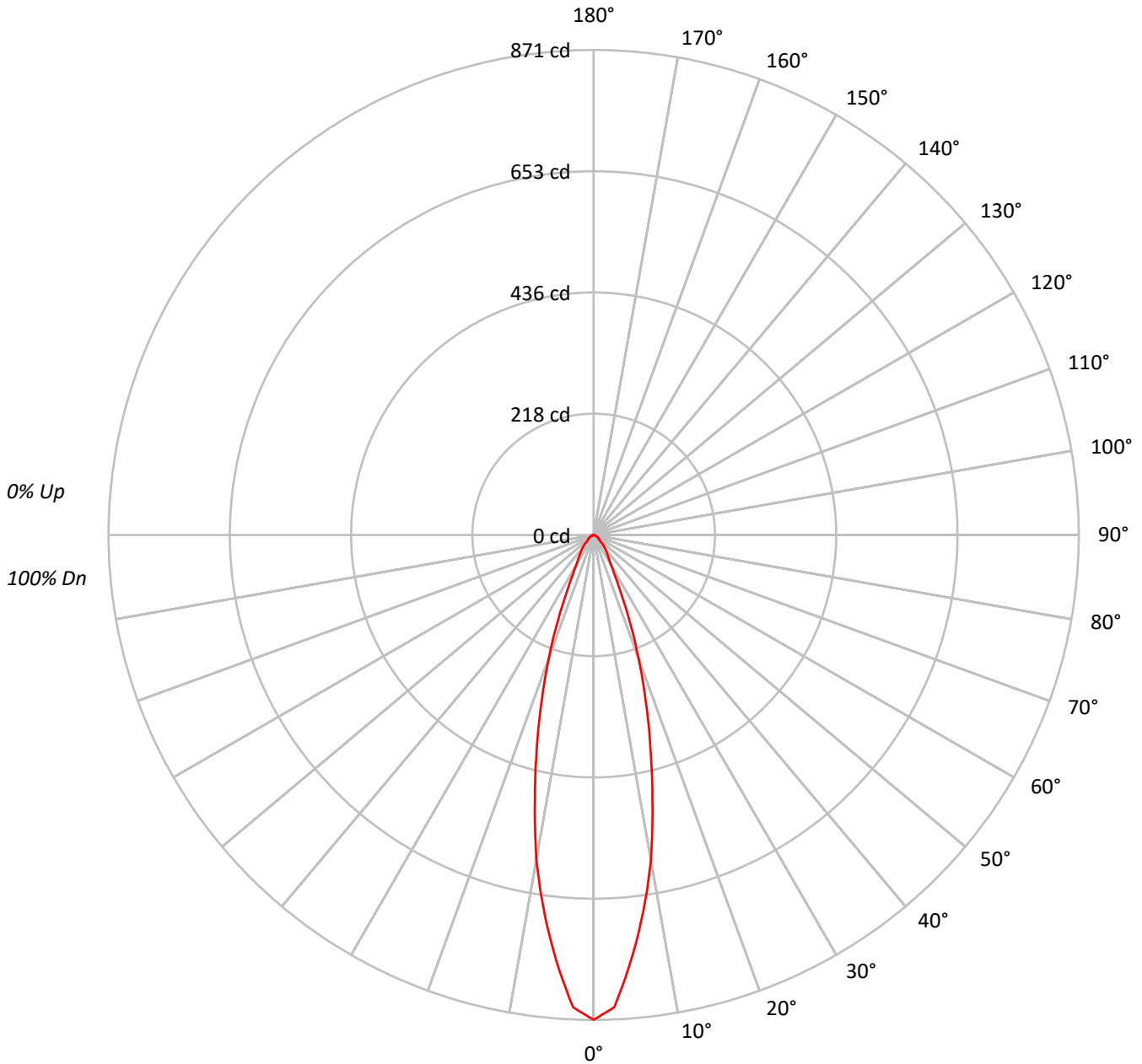
Lumens per Lamp: N/A
Luminaire Lumens: 294.1 lumens
Efficiency: N/A
Efficacy: 48.2 lumens/watt
Spacing Criteria (0/90/45): 0.46 / 0.46 / 0.49
Luminous Opening: Circular (Dia: 0.08' x H: 0')
CIE Type: Direct

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									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	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	101	97	107	103	99	96	99	97	94	96	94	92	94	92	90	89																																				
3	104	98	94	90	102	97	93	89	94	91	88	92	89	86	90	87	85	84																																				
4	100	93	88	84	98	92	87	83	89	86	82	88	84	81	86	83	80	79																																				
5	95	88	83	79	94	87	82	78	85	81	78	84	80	77	82	79	76	75																																				
6	92	84	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	71																																				
7	88	80	74	71	87	79	74	71	78	73	70	77	73	70	76	72	70	68																																				
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	67	65																																				
9	82	73	68	65	81	73	68	64	72	67	64	71	67	64	70	67	64	63																																				
10	79	70	65	62	78	70	65	62	69	65	62	69	64	62	68	64	61	60																																				

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1718363
5°	1521272
10°	1186761
15°	802962
20°	492077
25°	253251
30°	141744
35°	104321
40°	83471
45°	60286
50°	41449
55°	37160
60°	31971
65°	25217
70°	15580
75°	6863
80°	10229
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 60286 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.9	23.1
10°-20°	108.4	36.8
20°-30°	57.5	19.5
30°-40°	27.8	9.4
40°-50°	16.4	5.6
50°-60°	9.6	3.3
60°-70°	5.1	1.7
70°-80°	1.4	0.5
80°-90°	0.1	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°	233.7	79.4
0°-40°	261.4	88.9
0°-60°	287.5	97.7
0°-90°	294.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	294.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	871	
5°	768	68
15°	393	108
25°	116	57
35°	43	28
45°	22	16
55°	11	10
65°	5	5
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	870.7
2.5°	849.1
5°	767.9
7.5°	682.3
10°	592.2
12.5°	487.6
15°	393.0
17.5°	308.3
20°	234.3
22.5°	170.4
25°	116.3
27.5°	82.0
30°	62.2
32.5°	51.4
35°	43.3
37.5°	37.0
40°	32.4
42.5°	27.0
45°	21.6
47.5°	14.4
50°	13.5
52.5°	11.7
55°	10.8
57.5°	9.9
60°	8.1
62.5°	6.3
65°	5.4
67.5°	3.6
70°	2.7
72.5°	1.8
75°	0.9
77.5°	0.9
80°	0.9
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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(END OF REPORT)