

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: P885647

Luminaire Tested: ML104LSFL95FS1E-TIR1D25NFL-TL1RDSLb-340LM-5000K

Issue Date: 7/18/2024

Test Information

Test Method: LM-79-2019
Report Number: P885647
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-5000K
Description: 1IN ROUND ML FLEX, SELECTABLE CCT, WITH 25D TIR, METALLIC SILVER BAFFLED TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 5000K CCT
Ballast/Driver: -

Summary

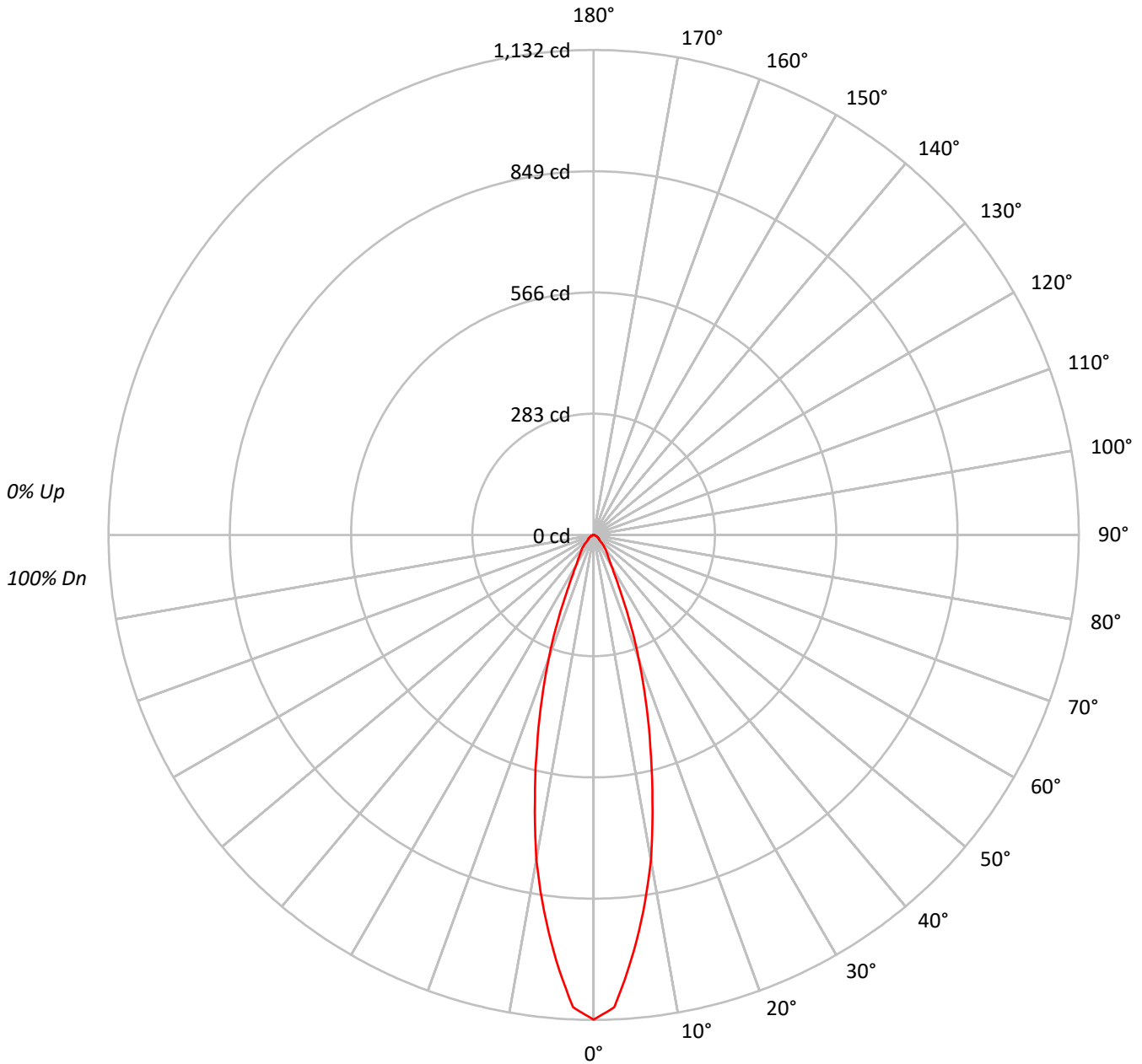
Lumens per Lamp: N/A
Luminaire Lumens: 382.3 lumens
Efficiency: N/A
Efficacy: 62.7 lumens/watt
Spacing Criteria (0/90/45): 0.46 / 0.46 / 0.49
Luminous Opening: Circular (Dia: 0.08' x H: 0')
CIE Type: Direct

Input Watts (W): 6.1
Input Voltage (V): NR
Input Current (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	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	85	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	69	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	68	64	62	68	64	61	60																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2233063
5°	1977118
10°	1542268
15°	1043442
20°	639721
25°	329030
30°	184131
35°	135400
40°	108719
45°	78427
50°	54037
55°	48515
60°	41444
65°	32689
70°	20196
75°	9150
80°	13638
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 78427 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.2	23.1
10°-20°	140.8	36.8
20°-30°	74.7	19.5
30°-40°	36.0	9.4
40°-50°	21.4	5.6
50°-60°	12.6	3.3
60°-70°	6.6	1.7
70°-80°	1.9	0.5
80°-90°	0.2	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°	303.7	79.4
0°-40°	339.7	88.9
0°-60°	373.6	97.7
0°-90°	382.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	382.3	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1132	
5°	998	88
15°	511	141
25°	151	75
35°	56	36
45°	28	21
55°	14	13
65°	7	7
75°	1	2
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1131.5
2.5°	1103.4
5°	998.0
7.5°	886.7
10°	769.6
12.5°	633.7
15°	510.7
17.5°	400.6
20°	304.6
22.5°	221.4
25°	151.1
27.5°	106.6
30°	80.8
32.5°	66.8
35°	56.2
37.5°	48.0
40°	42.2
42.5°	35.1
45°	28.1
47.5°	18.7
50°	17.6
52.5°	15.2
55°	14.1
57.5°	12.9
60°	10.5
62.5°	8.2
65°	7.0
67.5°	4.7
70°	3.5
72.5°	2.3
75°	1.2
77.5°	1.2
80°	1.2
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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