

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: P885640

Luminaire Tested: ML104LSFL95FS1E-TIR1D25NFL-TL1RDSL-340LM-3500K

Issue Date: 7/18/2024

Test Information

Test Method: LM-79-2019
Report Number: P885640
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-119)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/18/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML104LSFL95FS1E-TIR1D25NFL-TL1RDSL-340LM-3500K
Description: 1IN ROUND ML FLEX, SELECTABLE CCT, WITH 25D TIR, METALLIC SILVER TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 3500K CCT
Ballast/Driver: -

Summary

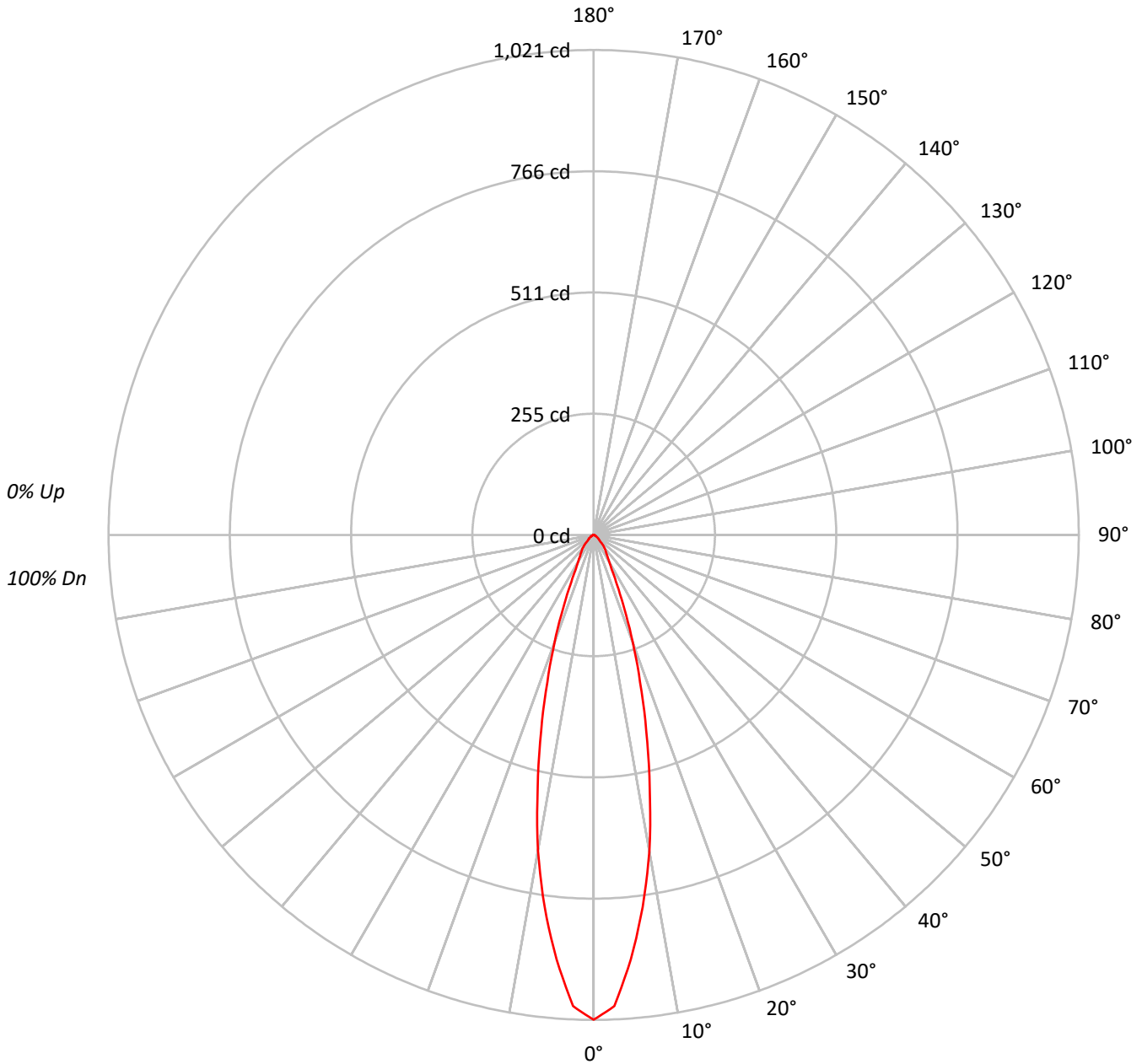
Lumens per Lamp: N/A
Luminaire Lumens: 315.8 lumens
Efficiency: N/A
Efficacy: 51.8 lumens/watt
Spacing Criteria (0/90/45): 0.44 / 0.44 / 0.47
Luminous Opening: Circular (Dia: 0.08' x H: 0')
CIE Type: Direct

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
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	112	109	107	105	105	104	102	102	100	99	98	97	96	95		
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	92	91	89		
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	84		
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	82	80		
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76		
6	92	85	79	76	91	84	79	76	82	78	75	81	77	75	80	77	74	73		
7	89	81	76	72	88	80	75	72	79	75	72	78	74	71	77	73	71	70		
8	86	78	72	69	85	77	72	69	76	72	69	75	71	68	74	71	68	67		
9	83	75	69	66	82	74	69	66	73	69	66	72	68	66	72	68	65	64		
10	80	72	67	64	79	71	67	63	71	66	63	70	66	63	69	66	63	62		

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	2014394
5°	1777029
10°	1353092
15°	871817
20°	503208
25°	252162
30°	148809
35°	112030
40°	89397
45°	58053
50°	42677
55°	34064
60°	27235
65°	18679
70°	11541
75°	7625
80°	11365
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 58053 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.7	24.9
10°-20°	117.9	37.3
20°-30°	57.8	18.3
30°-40°	29.7	9.4
40°-50°	17.1	5.4
50°-60°	8.9	2.8
60°-70°	4.1	1.3
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°	254.4	80.6
0°-40°	284.2	90.0
0°-60°	310.2	98.2
0°-90°	315.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	315.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1021	
5°	897	79
15°	427	118
25°	116	58
35°	46	30
45°	21	17
55°	10	9
65°	4	4
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1020.7
2.5°	993.0
5°	897.0
7.5°	790.0
10°	675.2
12.5°	544.5
15°	426.7
17.5°	324.7
20°	239.6
22.5°	168.3
25°	115.8
27.5°	83.2
30°	65.3
32.5°	54.5
35°	46.5
37.5°	40.6
40°	34.7
42.5°	28.7
45°	20.8
47.5°	15.8
50°	13.9
52.5°	11.9
55°	9.9
57.5°	7.9
60°	6.9
62.5°	5.0
65°	4.0
67.5°	3.0
70°	2.0
72.5°	2.0
75°	1.0
77.5°	1.0
80°	1.0
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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