

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: P885741

Luminaire Tested: ML104LSFL95FS1E-TIR1D55WFL-TL1RDMB-340LM-4000K

Issue Date: 6/19/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P885741  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-132)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 6/19/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: ML104LSFL95FS1E-TIR1D55WFL-TL1RDDB-340LM-4000K  
Description: 1IN ROUND ML FLEX, SELECTABLE CCT, WITH 55D TIR, MATTE BLACK TRIM  
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

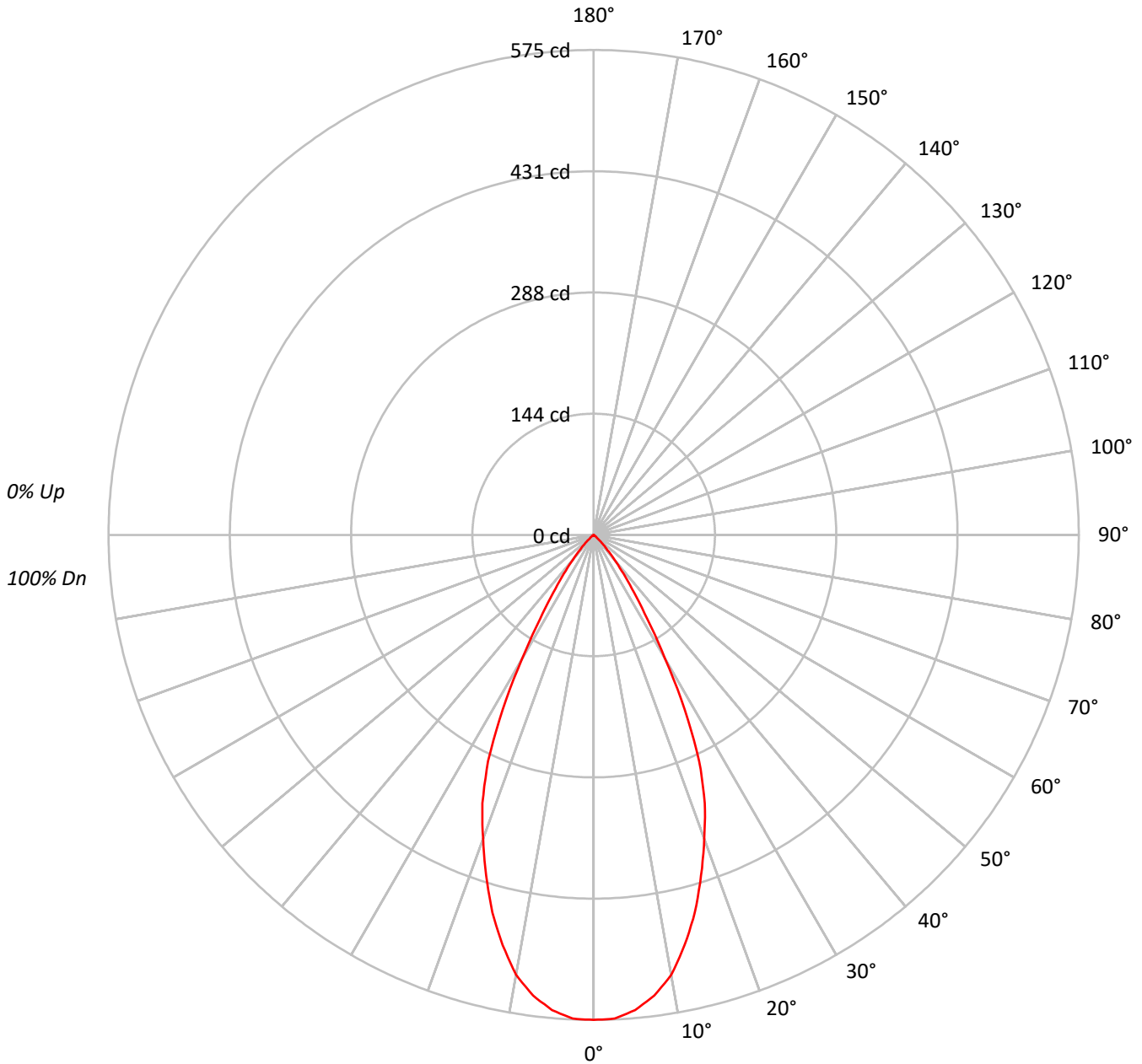
Lumens per Lamp: N/A  
Luminaire Lumens: 380.9 lumens  
Efficiency: N/A  
Efficacy: 62.4 lumens/watt  
Spacing Criteria (0/90/45): 0.79 / 0.79 / 0.76  
Luminous Opening: Circular (Dia: 0.08' x H: 0')  
CIE Type: Direct

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									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	112	109	107	105	105	104	102	102	100	99	98	97	96	94																											
2	109	104	101	98	107	103	99	97	100	97	94	97	94	92	94	92	91	89																											
3	104	98	94	90	102	97	93	89	94	91	88	92	89	86	90	87	85	84																											
4	99	92	87	84	98	91	87	83	89	85	82	87	84	81	85	83	80	79																											
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	82	78	76	74																											
6	91	83	77	73	89	82	77	73	80	76	72	79	75	72	78	74	71	70																											
7	87	78	73	69	85	78	72	69	76	72	68	75	71	68	74	70	68	66																											
8	83	74	69	65	82	74	68	65	73	68	65	72	67	64	71	67	64	63																											
9	79	71	65	62	78	70	65	61	69	65	61	68	64	61	68	64	61	60																											
10	76	67	62	58	75	67	62	58	66	61	58	65	61	58	65	61	58	57																											

**AVERAGE LUMINANCE (cd/sqm):**

	0°
0°	1134787
5°	1120301
10°	1061512
15°	946801
20°	805006
25°	644341
30°	386493
35°	200450
40°	97641
45°	41028
50°	12895
55°	3785
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 41028 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.8	13.9
10°-20°	128.4	33.7
20°-30°	130.2	34.2
30°-40°	55.4	14.6
40°-50°	12.9	3.4
50°-60°	1.2	0.3
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	311.4	81.8
0°-40°	366.8	96.3
0°-60°	380.9	100.0
0°-90°	380.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	380.9	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	575	
5°	566	53
15°	463	128
25°	296	130
35°	83	55
45°	15	13
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	575.0
2.5°	574.0
5°	565.5
7.5°	550.8
10°	529.7
12.5°	498.1
15°	463.4
17.5°	423.4
20°	383.3
22.5°	344.4
25°	295.9
27.5°	233.8
30°	169.6
32.5°	118.0
35°	83.2
37.5°	57.9
40°	37.9
42.5°	24.2
45°	14.7
47.5°	8.4
50°	4.2
52.5°	2.1
55°	1.1
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
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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Scaled Data Report



(END OF REPORT)