

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: P885753

Luminaire Tested: ML104LSFL95FS1E-TIR1D55WFL-TL1RDMWB-340LM-2700K

Issue Date: 6/19/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P885753  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-133)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 6/19/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: ML104LSFL95FS1E-TIR1D55WFL-TL1RDMWB-340LM-2700K  
Description: 1IN ROUND ML FLEX, SELECTABLE CCT, WITH 55D TIR, MATTE WHITE BAFFLED TRIM  
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

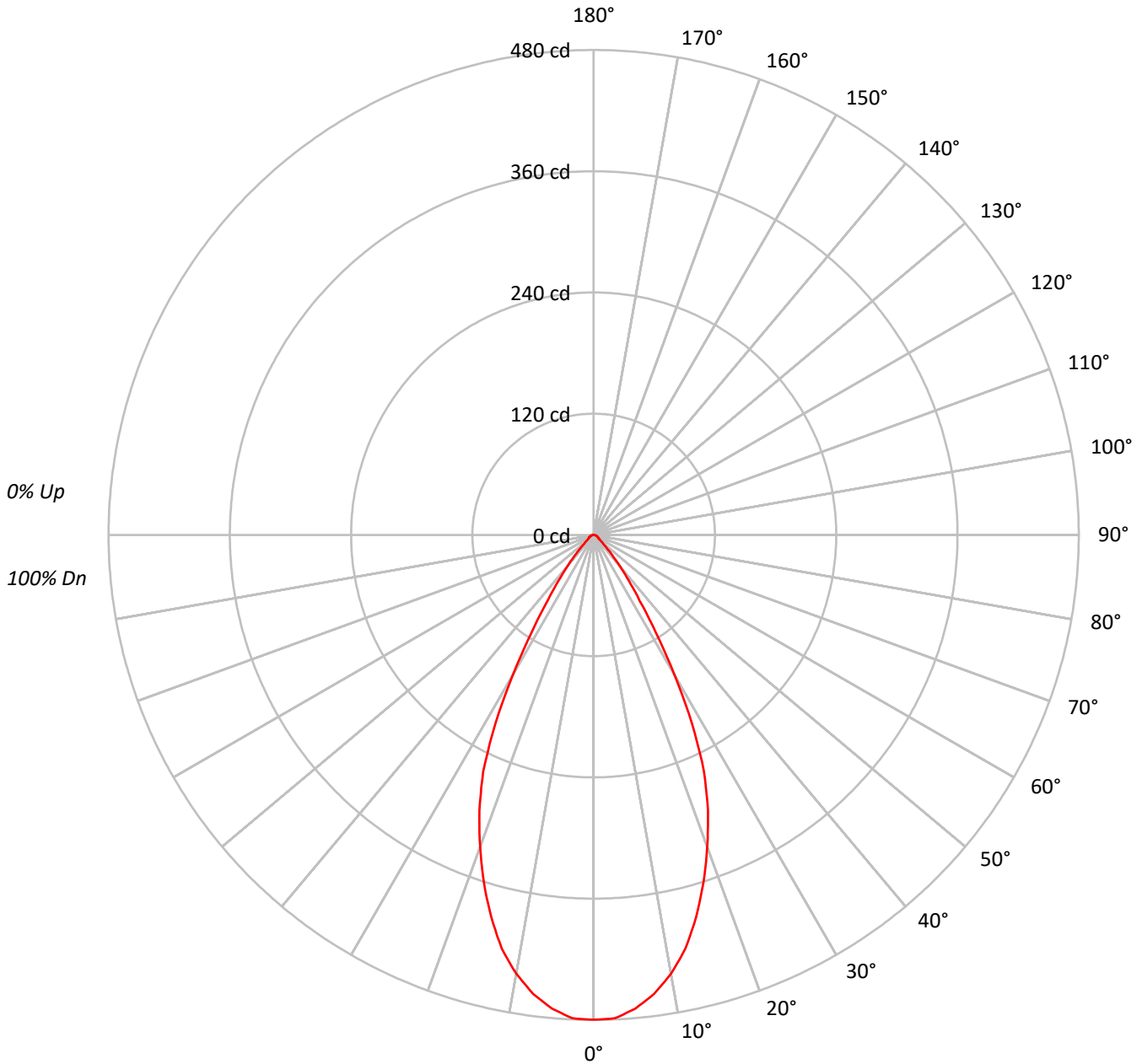
Lumens per Lamp: N/A  
Luminaire Lumens: 349.5 lumens  
Efficiency: N/A  
Efficacy: 57.3 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.78  
Luminous Opening: Circular (Dia: 0.08' x H: 0')  
CIE Type: Direct

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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	113	111	108	106	111	108	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	95	98	95	92	95	93	91	92	90	89	87			
3	103	96	91	87	101	95	90	87	92	88	85	90	87	84	88	85	83	81			
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76			
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71			
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67			
7	85	76	70	66	83	75	69	65	74	69	65	72	68	65	71	67	64	63			
8	81	71	66	62	79	71	65	62	70	65	61	69	64	61	68	64	61	59			
9	77	68	62	58	76	67	62	58	66	61	58	65	61	58	65	61	58	56			
10	74	64	59	55	73	64	59	55	63	58	55	62	58	55	62	58	55	53			

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

	0°
0°	946905
5°	932693
10°	883959
15°	800102
20°	690126
25°	562682
30°	363021
35°	190813
40°	102021
45°	50238
50°	30396
55°	21677
60°	21314
65°	21014
70°	20773
75°	20588
80°	20457
85°	20379

**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°	44.0	12.6
10°-20°	108.7	31.1
20°-30°	114.4	32.7
30°-40°	53.3	15.3
40°-50°	15.6	4.5
50°-60°	5.9	1.7
60°-70°	4.2	1.2
70°-80°	2.6	0.7
80°-90°	0.7	0.2
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°	267.1	76.4
0°-40°	320.4	91.7
0°-60°	342.0	97.8
0°-90°	349.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	349.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	480	
5°	471	44
15°	392	109
25°	258	114
35°	79	53
45°	18	16
55°	6	6
65°	4	4
75°	3	3
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	479.8
2.5°	478.9
5°	470.8
7.5°	458.2
10°	441.1
12.5°	419.5
15°	391.6
17.5°	361.0
20°	328.6
22.5°	295.3
25°	258.4
27.5°	210.7
30°	159.3
32.5°	113.4
35°	79.2
37.5°	56.7
40°	39.6
42.5°	27.0
45°	18.0
47.5°	12.6
50°	9.9
52.5°	7.2
55°	6.3
57.5°	5.4
60°	5.4
62.5°	4.5
65°	4.5
67.5°	3.6
70°	3.6
72.5°	2.7
75°	2.7
77.5°	1.8
80°	1.8
82.5°	0.9
85°	0.9
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)