

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: P885703

Luminaire Tested: ML104LSFL95FS1E-TIR1D40FL-TL1RDSLb-340LM-2700K

Issue Date: 6/19/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P885703  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-128)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 6/19/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: ML104LSFL95FS1E-TIR1D40FL-TL1RDSL B-340LM-2700K  
Description: 1IN ROUND ML FLEX, SELECTABLE CCT, WITH 40D TIR, METALLIC SILVER BAFFLED TRIM  
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

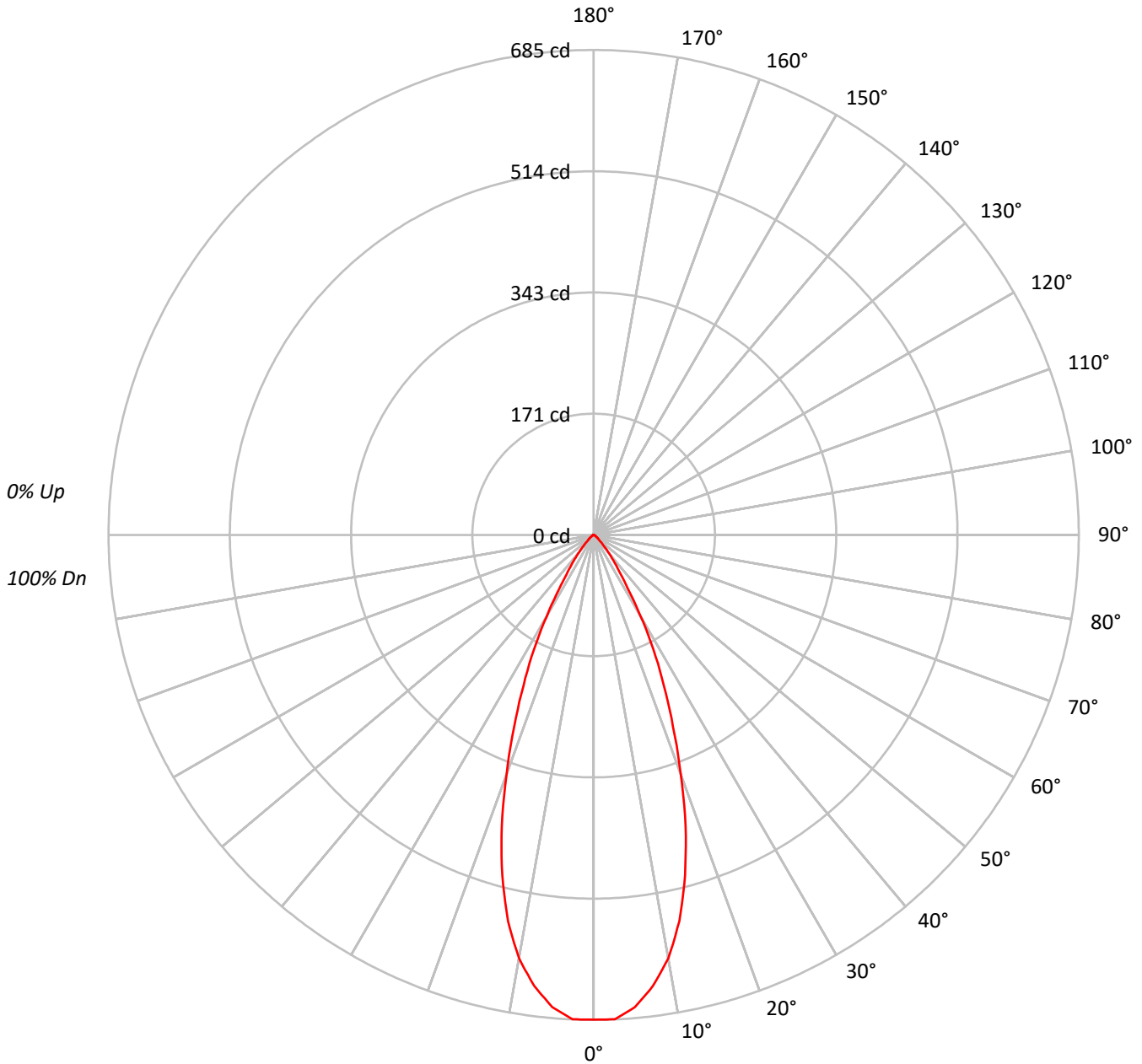
Lumens per Lamp: N/A  
Luminaire Lumens: 368.1 lumens  
Efficiency: N/A  
Efficacy: 60.3 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.66  
Luminous Opening: Circular (Dia: 0.08' x H: 0')  
CIE Type: Direct

Input Watts (W): 6.1  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): 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	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	90	102	97	93	90	95	91	88	92	89	87	90	88	86	84			
4	100	93	88	84	98	92	87	84	90	86	83	88	85	82	86	83	81	80			
5	96	88	83	79	94	87	82	79	85	81	78	84	80	77	82	79	77	75			
6	91	84	78	74	90	83	78	74	81	77	74	80	76	73	79	75	73	71			
7	88	79	74	70	86	79	74	70	78	73	70	76	72	69	75	72	69	68			
8	84	76	70	67	83	75	70	67	74	70	66	73	69	66	72	69	66	65			
9	81	72	67	63	80	72	67	63	71	66	63	70	66	63	69	66	63	62			
10	78	69	64	60	77	69	64	60	68	63	60	67	63	60	67	63	60	59			

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

	0°
0°	1351284
5°	1326135
10°	1216821
15°	1017903
20°	755022
25°	509985
30°	301720
35°	152024
40°	85790
45°	40191
50°	24869
55°	15483
60°	10657
65°	8406
70°	5193
75°	6863
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 40191 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.9	16.8
10°-20°	136.1	37.0
20°-30°	107.6	29.2
30°-40°	43.1	11.7
40°-50°	12.6	3.4
50°-60°	4.4	1.2
60°-70°	1.8	0.5
70°-80°	0.6	0.2
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°	305.6	83.0
0°-40°	348.7	94.7
0°-60°	365.7	99.4
0°-90°	368.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	368.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	685	
5°	669	62
15°	498	136
25°	234	108
35°	63	43
45°	14	13
55°	4	4
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	684.7
2.5°	684.7
5°	669.4
7.5°	642.4
10°	607.2
12.5°	558.6
15°	498.2
17.5°	431.6
20°	359.5
22.5°	292.8
25°	234.2
27.5°	182.9
30°	132.4
32.5°	90.1
35°	63.1
37.5°	45.9
40°	33.3
42.5°	21.6
45°	14.4
47.5°	9.9
50°	8.1
52.5°	6.3
55°	4.5
57.5°	3.6
60°	2.7
62.5°	2.7
65°	1.8
67.5°	0.9
70°	0.9
72.5°	0.9
75°	0.9
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)