

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: P885765

Luminaire Tested: ML104LSFL95FS1E-TIR1D55WFL-TL1RDSL B-340LM-3500K

Issue Date: 6/19/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P885765  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-134)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 6/19/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: ML104LSFL95FS1E-TIR1D55WFL-TL1RDSL B-340LM-3500K  
Description: 1IN ROUND ML FLEX, SELECTABLE CCT, WITH 55D TIR, METALLIC SILVER BAFFLED TRIM  
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

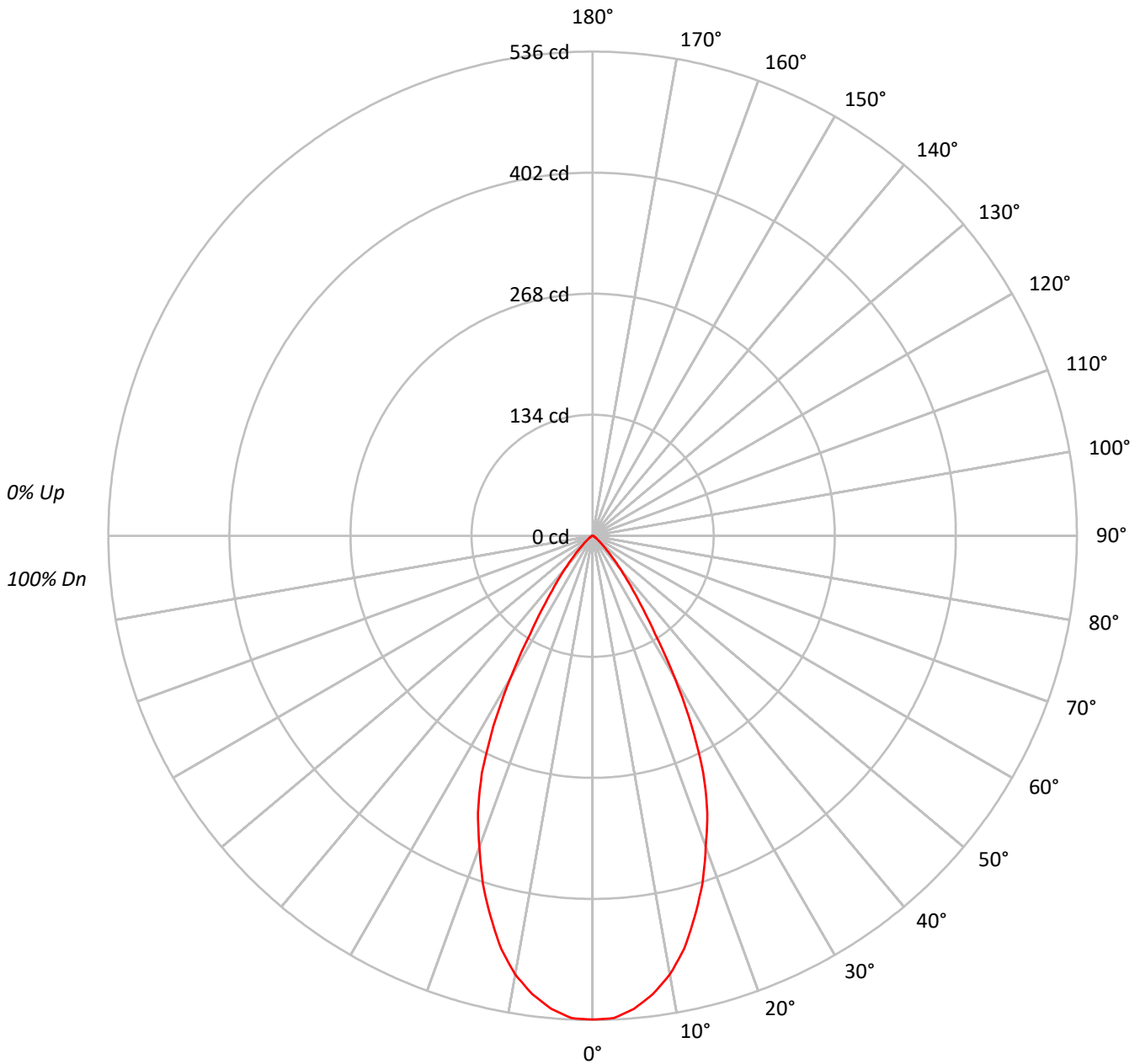
Lumens per Lamp: N/A  
Luminaire Lumens: 385.5 lumens  
Efficiency: N/A  
Efficacy: 63.2 lumens/watt  
Spacing Criteria (0/90/45): 0.81 / 0.81 / 0.79  
Luminous Opening: Circular (Dia: 0.08' x H: 0')  
CIE Type: Direct

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									
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	108	104	100	97	106	102	98	95	99	96	93	96	93	91	93	91	90	88																			
3	103	97	92	89	101	96	91	88	93	89	86	91	88	85	88	86	84	82																			
4	98	91	86	82	97	90	85	81	88	84	80	86	82	79	84	81	79	77																			
5	94	86	80	76	92	85	80	76	83	79	75	81	77	74	80	76	74	72																			
6	89	81	75	71	88	80	75	71	79	74	70	77	73	70	76	72	69	68																			
7	85	76	71	67	84	76	70	66	74	70	66	73	69	66	72	68	65	64																			
8	81	72	67	63	80	72	66	63	71	66	62	70	65	62	69	65	62	60																			
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	65	61	58	57																			
10	74	65	60	56	73	65	59	56	64	59	56	63	59	56	62	58	55	54																			

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

	0°
0°	1056832
5°	1041256
10°	987966
15°	891840
20°	769093
25°	631493
30°	414979
35°	219483
40°	119797
45°	58053
50°	30396
55°	16860
60°	11841
65°	9340
70°	5770
75°	7625
80°	0
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°	49.1	12.7
10°-20°	121.3	31.5
20°-30°	128.6	33.4
30°-40°	61.1	15.9
40°-50°	17.9	4.7
50°-60°	4.9	1.3
60°-70°	1.7	0.4
70°-80°	0.7	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°	299.1	77.6
0°-40°	360.2	93.5
0°-60°	383.1	99.4
0°-90°	385.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	385.5	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	536	
5°	526	49
15°	436	121
25°	290	129
35°	91	61
45°	21	18
55°	5	5
65°	2	2
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	535.5
2.5°	534.5
5°	525.6
7.5°	511.8
10°	493.0
12.5°	468.2
15°	436.5
17.5°	403.9
20°	366.2
22.5°	331.6
25°	290.0
27.5°	237.6
30°	182.1
32.5°	128.7
35°	91.1
37.5°	65.3
40°	46.5
42.5°	31.7
45°	20.8
47.5°	13.9
50°	9.9
52.5°	6.9
55°	4.9
57.5°	4.0
60°	3.0
62.5°	2.0
65°	2.0
67.5°	1.0
70°	1.0
72.5°	1.0
75°	1.0
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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(END OF REPORT)