

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: P886213

Luminaire Tested: ML204LSFL95FS1E-TIR1D55WFL-TL2RDSL-468LM-4000K

Issue Date: 6/20/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P886213  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-84)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 6/20/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: ML204LSFL95FS1E-TIR1D55WFL-TL2RDSL-468LM-4000K  
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 55D TIR, METALLIC SILVER TRIM  
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

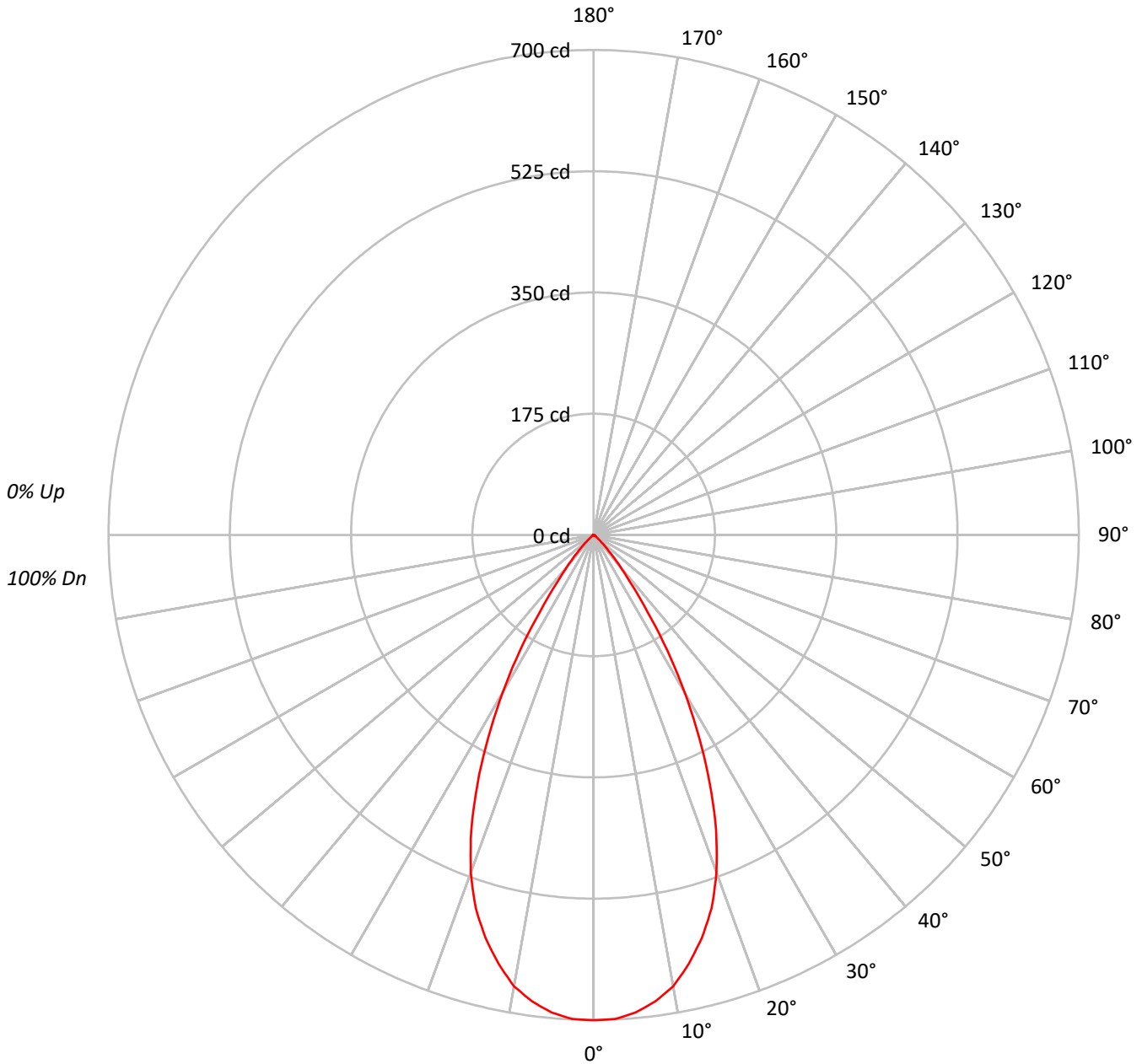
Lumens per Lamp: N/A  
Luminaire Lumens: 524.7 lumens  
Efficiency: N/A  
Efficacy: 65.6 lumens/watt  
Spacing Criteria (0/90/45): 0.85 / 0.85 / 0.81  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

Input Watts (W): 8  
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	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94			
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88			
3	103	97	93	89	102	96	92	88	93	90	87	91	88	86	89	86	84	83			
4	99	92	86	82	97	90	86	82	88	84	81	86	83	80	84	81	79	78			
5	94	86	81	77	92	85	80	76	83	79	76	82	78	75	80	77	74	73			
6	90	81	76	72	88	80	75	71	79	74	71	78	74	70	76	73	70	69			
7	86	77	71	67	84	76	71	67	75	70	67	74	69	66	73	69	66	65			
8	82	73	67	63	81	72	67	63	71	66	63	70	66	63	69	65	62	61			
9	78	69	63	60	77	68	63	60	68	63	59	67	62	59	66	62	59	58			
10	75	66	60	56	74	65	60	56	64	59	56	64	59	56	63	59	56	55			

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

	0°
0°	345612
5°	342822
10°	331455
15°	307696
20°	272078
25°	216120
30°	149206
35°	80829
40°	37549
45°	15490
50°	5680
55°	2409
60°	1875
65°	1051
70°	1298
75°	1716
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 15490 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.1	12.4
10°-20°	167.5	31.9
20°-30°	179.1	34.1
30°-40°	88.5	16.9
40°-50°	19.8	3.8
50°-60°	3.1	0.6
60°-70°	1.0	0.2
70°-80°	0.6	0.1
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°	411.7	78.5
0°-40°	500.2	95.3
0°-60°	523.1	99.7
0°-90°	524.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	524.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	700	
5°	692	65
15°	602	167
25°	397	179
35°	134	89
45°	22	20
55°	3	3
65°	1	1
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	700.5
2.5°	699.6
5°	692.2
7.5°	679.2
10°	661.6
12.5°	633.9
15°	602.4
17.5°	565.4
20°	518.2
22.5°	461.8
25°	397.0
27.5°	329.4
30°	261.9
32.5°	198.0
35°	134.2
37.5°	87.9
40°	58.3
42.5°	37.0
45°	22.2
47.5°	13.0
50°	7.4
52.5°	4.6
55°	2.8
57.5°	1.9
60°	1.9
62.5°	0.9
65°	0.9
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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(END OF REPORT)