

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: P886156

Luminaire Tested: ML204LSFL95FS1E-TIR1D40FL-TL2RDSLb-468LM-3000K

Issue Date: 6/20/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P886156  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-81)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 6/20/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: ML204LSFL95FS1E-TIR1D40FL-TL2RDSL B-468LM-3000K  
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 40D TIR, METALLIC SILVER BAFFLED TRIM  
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 514.7 lumens  
Efficiency: N/A  
Efficacy: 64.3 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.68  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

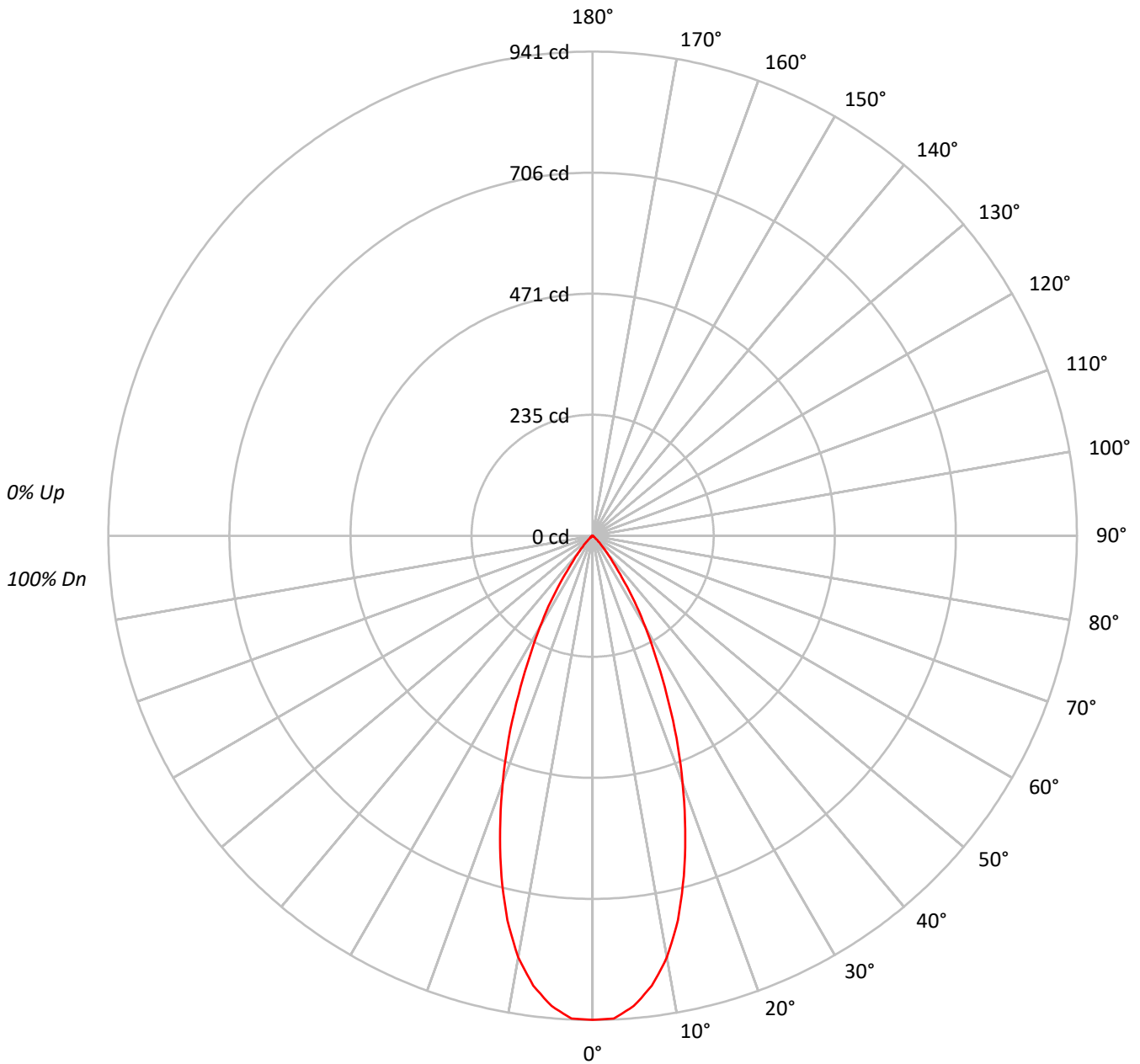
Input Watts (W): 8  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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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	112	109	107	112	109	107	106	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	93	91	89			
3	104	99	94	91	103	97	93	90	95	91	89	92	90	87	90	88	86	84			
4	100	93	88	85	98	92	88	84	90	86	83	88	85	82	86	84	81	80			
5	96	88	83	79	94	87	83	79	86	81	78	84	80	78	83	79	77	76			
6	92	84	78	75	90	83	78	74	82	77	74	80	76	73	79	76	73	72			
7	88	80	74	71	87	79	74	70	78	73	70	77	73	70	76	72	69	68			
8	84	76	71	67	83	75	70	67	74	70	67	73	69	66	72	69	66	65			
9	81	72	67	64	80	72	67	64	71	66	63	70	66	63	69	66	63	62			
10	78	69	64	61	77	69	64	61	68	63	60	67	63	60	67	63	60	59			

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

	0°
0°	464171
5°	454355
10°	416724
15°	349683
20°	268140
25°	185145
30°	116391
35°	59929
40°	27888
45°	10885
50°	4682
55°	2236
60°	1677
65°	1051
70°	1298
75°	1716
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 10885 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	84.8	16.5
10°-20°	188.0	36.5
20°-30°	156.4	30.4
30°-40°	66.9	13.0
40°-50°	14.3	2.8
50°-60°	2.8	0.5
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°	429.2	83.4
0°-40°	496.1	96.4
0°-60°	513.1	99.7
0°-90°	514.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	514.7	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	941	
5°	917	85
15°	685	188
25°	340	156
35°	100	67
45°	16	14
55°	3	3
65°	1	1
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	940.8
2.5°	939.1
5°	917.4
7.5°	882.0
10°	831.8
12.5°	765.1
15°	684.6
17.5°	598.1
20°	510.7
22.5°	425.8
25°	340.1
27.5°	264.8
30°	204.3
32.5°	151.5
35°	99.5
37.5°	64.0
40°	43.3
42.5°	27.7
45°	15.6
47.5°	7.8
50°	6.1
52.5°	4.3
55°	2.6
57.5°	1.7
60°	1.7
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)