

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: P886152

Luminaire Tested: ML204LSFL95FS1E-TIR1D40FL-TL2RDSL-468LM-3500K

Issue Date: 6/20/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P886152  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-78)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 6/20/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: ML204LSFL95FS1E-TIR1D40FL-TL2RDSL-468LM-3500K  
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 40D TIR, METALLIC SILVER TRIM  
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 3500K CCT  
Ballast/Driver: -

**Summary**

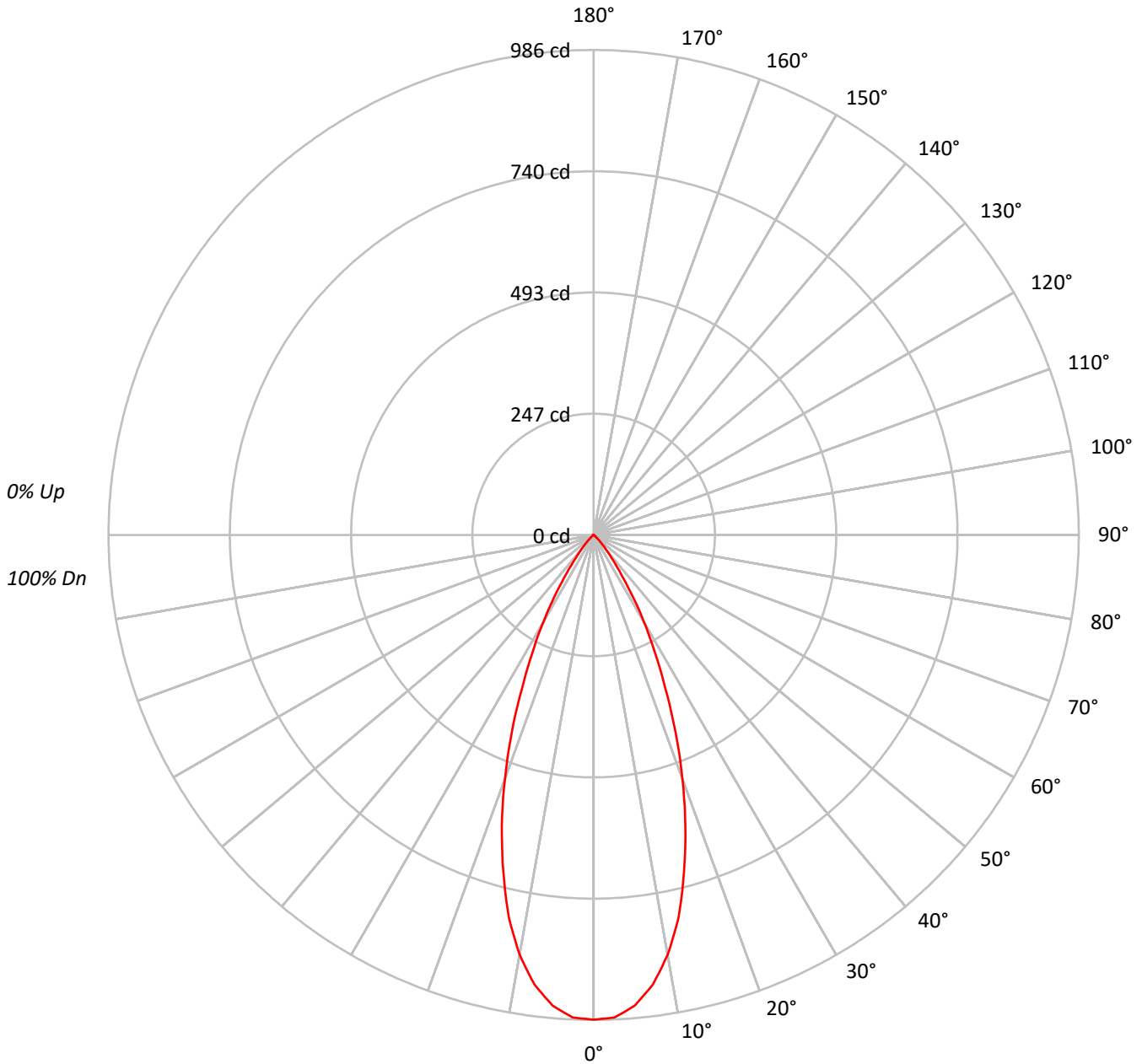
Lumens per Lamp: N/A  
Luminaire Lumens: 526.2 lumens  
Efficiency: N/A  
Efficacy: 65.8 lumens/watt  
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.67  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

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	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	97	95			
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90			
3	105	99	94	91	103	98	94	90	95	92	89	93	90	87	90	88	86	85			
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	82	80			
5	96	89	83	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76			
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72			
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	69			
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65			
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62			
10	78	70	65	61	77	69	64	61	68	64	61	68	64	61	67	63	61	59			

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

	0°
0°	486226
5°	475652
10°	434058
15°	362555
20°	276803
25°	187595
30°	116790
35°	58243
40°	27115
45°	9978
50°	4145
55°	2322
60°	1776
65°	1051
70°	1298
75°	1716
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 9978 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	88.7	16.9
10°-20°	195.1	37.1
20°-30°	159.3	30.3
30°-40°	65.3	12.4
40°-50°	13.6	2.6
50°-60°	2.6	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°	443.1	84.2
0°-40°	508.5	96.6
0°-60°	524.6	99.7
0°-90°	526.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	526.2	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	986	
5°	960	89
15°	710	195
25°	345	159
35°	97	65
45°	14	14
55°	3	3
65°	1	1
75°	1	1
85°	0	0
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	985.5
2.5°	981.9
5°	960.4
7.5°	921.9
10°	866.4
12.5°	796.6
15°	709.8
17.5°	620.3
20°	527.2
22.5°	435.0
25°	344.6
27.5°	269.4
30°	205.0
32.5°	145.9
35°	96.7
37.5°	62.7
40°	42.1
42.5°	26.0
45°	14.3
47.5°	8.1
50°	5.4
52.5°	3.6
55°	2.7
57.5°	1.8
60°	1.8
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)