

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: P886141

Luminaire Tested: ML204LSFL95FS1E-TIR1D40FL-TL2RDMW-468LM-3000K

Issue Date: 6/20/2024

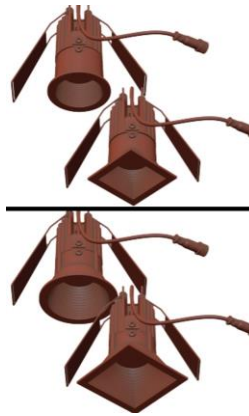
**Test Information**

Test Method: LM-79-2019  
Report Number: P886141  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-77)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 6/20/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: ML204LSFL95FS1E-TIR1D40FL-TL2RDMW-468LM-3000K  
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 40D TIR, MATTE WHITE TRIM  
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

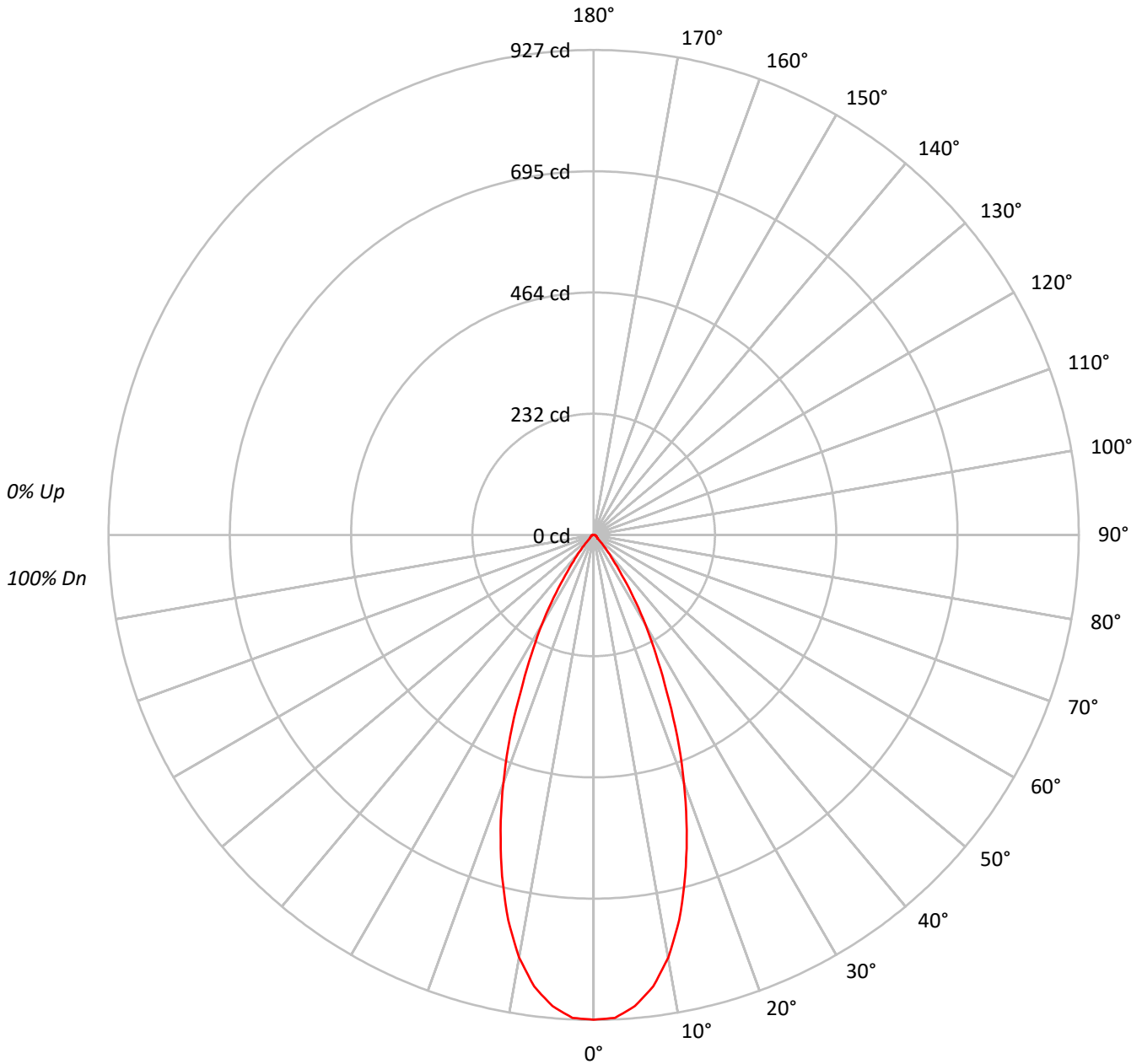
Lumens per Lamp: N/A  
Luminaire Lumens: 518.4 lumens  
Efficiency: N/A  
Efficacy: 64.8 lumens/watt  
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.67  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

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	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	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	85	83								
4	99	92	87	83	97	91	86	83	89	85	82	87	83	81	85	82	80	78								
5	95	87	82	78	93	86	81	77	84	80	77	83	79	76	81	78	75	74								
6	91	83	77	73	89	82	77	73	80	76	72	79	75	72	78	74	71	70								
7	87	78	73	69	86	78	73	69	77	72	69	75	71	68	74	71	68	67								
8	83	75	69	65	82	74	69	65	73	68	65	72	68	65	71	67	65	63								
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	61	60								
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	65	61	59	58								

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

	0°
0°	457215
5°	447818
10°	410913
15°	345035
20°	265094
25°	179157
30°	112517
35°	56316
40°	27888
45°	12071
50°	7292
55°	5935
60°	6019
65°	6071
70°	6203
75°	6672
80°	7387
85°	5095

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 12071 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.7	16.1
10°-20°	185.6	35.8
20°-30°	152.5	29.4
30°-40°	63.8	12.3
40°-50°	15.8	3.1
50°-60°	6.8	1.3
60°-70°	5.4	1.0
70°-80°	3.7	0.7
80°-90°	1.3	0.3
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°	421.7	81.3
0°-40°	485.5	93.6
0°-60°	508.1	98.0
0°-90°	518.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	518.4	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	927	
5°	904	84
15°	676	186
25°	329	152
35°	94	64
45°	17	16
55°	7	7
65°	5	5
75°	4	4
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

0°	
0°	926.7
2.5°	924.1
5°	904.2
7.5°	870.4
10°	820.2
12.5°	754.3
15°	675.5
17.5°	591.5
20°	504.9
22.5°	416.6
25°	329.1
27.5°	257.2
30°	197.5
32.5°	142.0
35°	93.5
37.5°	62.4
40°	43.3
42.5°	28.6
45°	17.3
47.5°	11.3
50°	9.5
52.5°	8.7
55°	6.9
57.5°	6.9
60°	6.1
62.5°	6.1
65°	5.2
67.5°	5.2
70°	4.3
72.5°	4.3
75°	3.5
77.5°	2.6
80°	2.6
82.5°	1.7
85°	0.9
87.5°	0.9
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)