

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: P886215

Luminaire Tested: ML204LSFL95FS1E-TIR1D55WFL-TL2RDSLb-468LM-2700K

Issue Date: 6/20/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P886215  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-87)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 6/20/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: ML204LSFL95FS1E-TIR1D55WFL-TL2RDSLb-468LM-2700K  
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 55D TIR, METALLIC SILVER BAFFLED TRIM  
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 2700K CCT  
Ballast/Driver: -

**Summary**

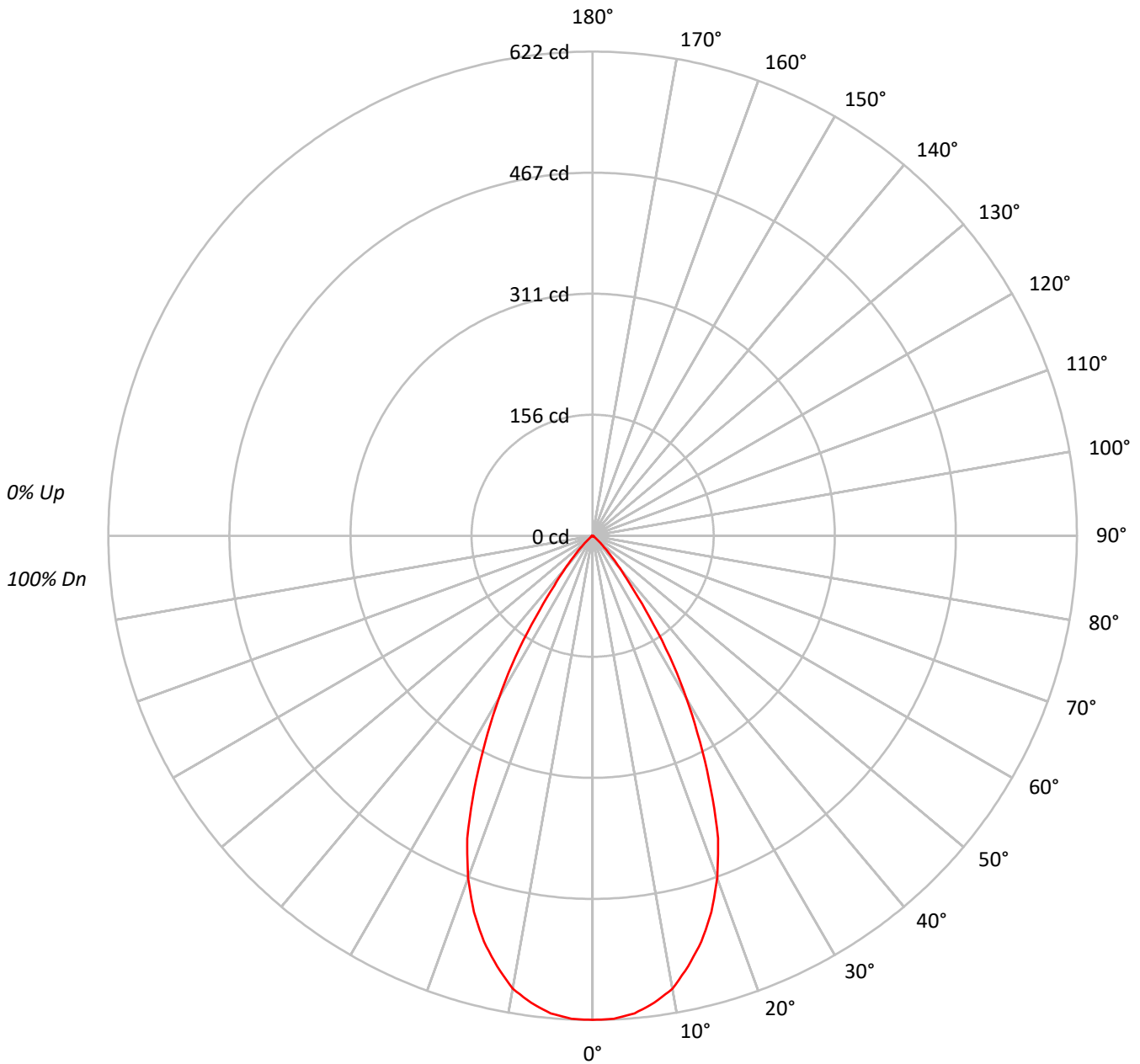
Lumens per Lamp: N/A  
Luminaire Lumens: 476.0 lumens  
Efficiency: N/A  
Efficacy: 59.5 lumens/watt  
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.82  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

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



TEST NUMBER: P886215  
CATALOG NUMBER: ML204LSFL95FS1E-TIR1D55WFL-TL2RDSL B-468LM-2700K

### Luminous Intensity Polar Plot





TEST NUMBER: P886215

CATALOG NUMBER: ML204LSFL95FS1E-TIR1D55WFL-TL2RDSLb-468LM-2700K

**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	101	96	92	88	93	90	87	91	88	85	89	86	84	83			
4	99	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77			
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73			
6	90	81	75	71	88	80	75	71	79	74	71	77	73	70	76	73	70	68			
7	85	77	71	67	84	76	71	67	75	70	66	73	69	66	72	69	66	64			
8	81	72	67	63	80	72	66	63	71	66	62	70	65	62	69	65	62	61			
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	66	62	59	57			
10	74	65	60	56	73	65	60	56	64	59	56	63	59	56	63	58	56	54			

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

	0°
0°	306833
5°	305083
10°	295985
15°	275670
20°	245510
25°	195706
30°	137014
35°	76192
40°	35101
45°	14653
50°	5757
55°	2150
60°	1677
65°	934
70°	1154
75°	0
80°	0
85°	0

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 14653 cd/sqm



TEST NUMBER: P886215

CATALOG NUMBER: ML204LSFL95FS1E-TIR1D55WFL-TL2RDSLB-468LM-2700K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.0	12.2
10°-20°	150.1	31.5
20°-30°	162.6	34.2
30°-40°	82.2	17.3
40°-50°	18.8	4.0
50°-60°	3.0	0.6
60°-70°	0.9	0.2
70°-80°	0.3	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°	370.6	77.9
0°-40°	452.9	95.1
0°-60°	474.8	99.7
0°-90°	476.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	476.0	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	622	
5°	616	58
15°	540	150
25°	360	163
35°	126	82
45°	21	19
55°	2	3
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P886215

CATALOG NUMBER: ML204LSFL95FS1E-TIR1D55WFL-TL2RDSL B-468LM-2700K

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	621.9
2.5°	621.0
5°	616.0
7.5°	605.1
10°	590.8
12.5°	566.5
15°	539.7
17.5°	507.0
20°	467.6
22.5°	420.7
25°	359.5
27.5°	298.4
30°	240.5
32.5°	184.4
35°	126.5
37.5°	80.5
40°	54.5
42.5°	35.2
45°	21.0
47.5°	12.6
50°	7.5
52.5°	5.0
55°	2.5
57.5°	1.7
60°	1.7
62.5°	0.8
65°	0.8
67.5°	0.8
70°	0.8
72.5°	0.8
75°	0.0
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

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report





Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)