

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: P886206

Luminaire Tested: ML204LSFL95FS1E-TIR1D55WFL-TL2RDMWB-468LM-3000K

Issue Date: 6/20/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P886206  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-86)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 6/20/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: HALO  
Catalog Number: ML204LSFL95FS1E-TIR1D55WFL-TL2RDMWB-468LM-3000K  
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 55D TIR, MATTE WHITE BAFFLED TRIM  
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 3000K CCT  
Ballast/Driver: -

**Summary**

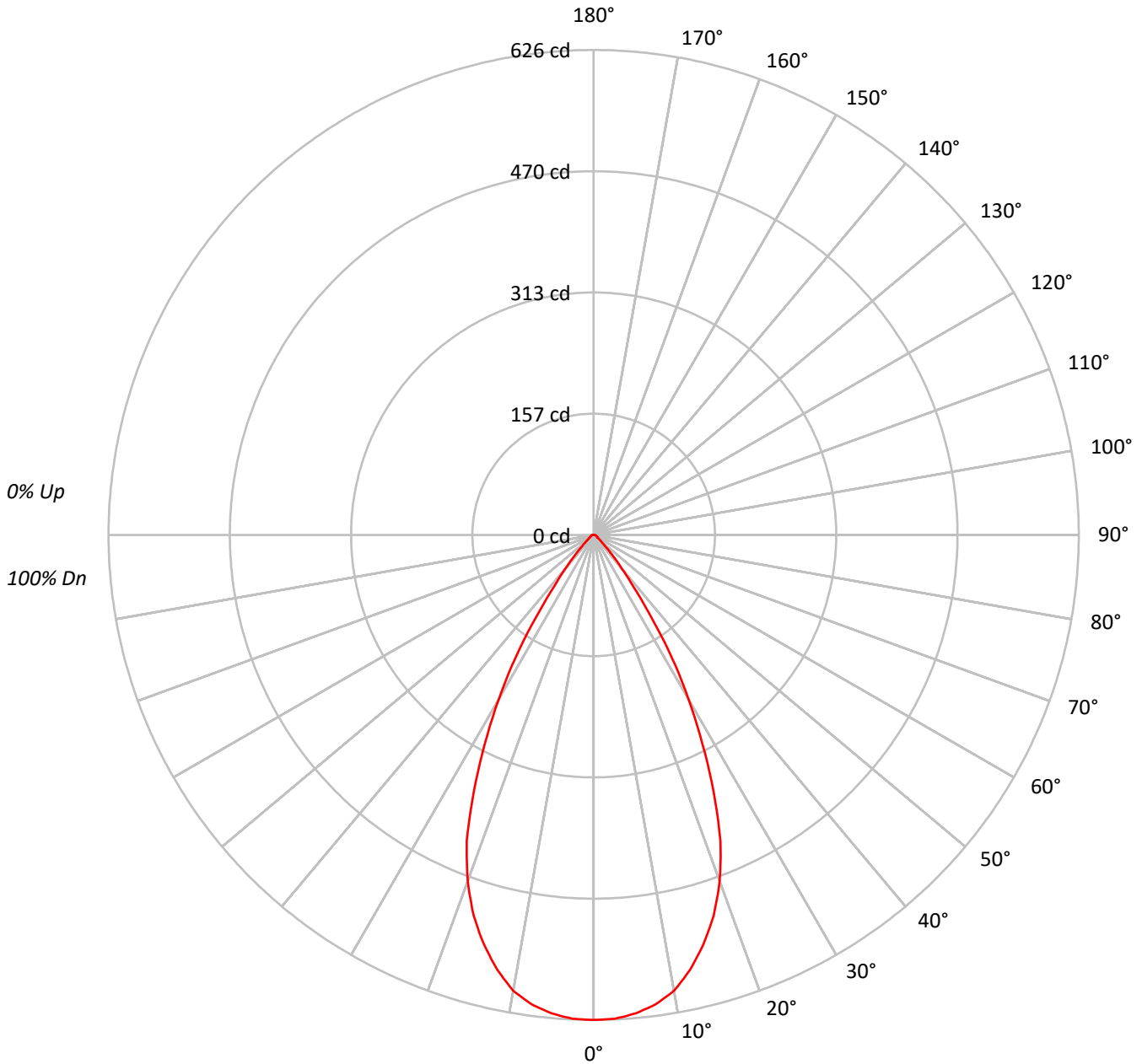
Lumens per Lamp: N/A  
Luminaire Lumens: 496.1 lumens  
Efficiency: N/A  
Efficacy: 62.0 lumens/watt  
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.82  
Luminous Opening: Circular (Dia: 0.17' x H: 0')  
CIE Type: Direct

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: P886206  
CATALOG NUMBER: ML204LSFL95FS1E-TIR1D55WFL-TL2RDMWB-468LM-3000K

### Luminous Intensity Polar Plot





TEST NUMBER: P886206

CATALOG NUMBER: ML204LSFL95FS1E-TIR1D55WFL-TL2RDMWB-468LM-3000K

**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	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93			
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	90	89	87			
3	103	96	91	88	101	95	90	87	92	89	85	90	87	84	88	85	83	81			
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76			
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71			
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67			
7	84	75	70	65	83	75	69	65	73	69	65	72	68	65	71	67	64	63			
8	81	71	65	61	79	71	65	61	70	65	61	69	64	61	68	64	61	59			
9	77	68	62	58	76	67	62	58	66	61	58	65	61	57	64	60	57	56			
10	73	64	58	55	73	64	58	55	63	58	54	62	58	54	61	57	54	53			

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

	0°
0°	308856
5°	307064
10°	299342
15°	279501
20°	249606
25°	199408
30°	139578
35°	77697
40°	36261
45°	16327
50°	8673
55°	5935
60°	5131
65°	5020
70°	5049
75°	4956
80°	4830
85°	5095

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 16327 cd/sqm



TEST NUMBER: P886206

CATALOG NUMBER: ML204LSFL95FS1E-TIR1D55WFL-TL2RDMWB-468LM-3000K

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	58.5	11.8
10°-20°	152.3	30.7
20°-30°	165.5	33.4
30°-40°	84.1	16.9
40°-50°	20.8	4.2
50°-60°	6.5	1.3
60°-70°	4.5	0.9
70°-80°	3.0	0.6
80°-90°	0.9	0.2
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°	376.3	75.9
0°-40°	460.4	92.8
0°-60°	487.6	98.3
0°-90°	496.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	496.1	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	626	
5°	620	58
15°	547	152
25°	366	166
35°	129	84
45°	23	21
55°	7	6
65°	4	4
75°	3	3
85°	1	1
90°	0	



TEST NUMBER: P886206

CATALOG NUMBER: ML204LSFL95FS1E-TIR1D55WFL-TL2RDMWB-468LM-3000K

**CANDELA DISTRIBUTION (FULL):**

	0°
0°	626.0
2.5°	625.2
5°	620.0
7.5°	611.3
10°	597.5
12.5°	574.9
15°	547.2
17.5°	515.2
20°	475.4
22.5°	427.7
25°	366.3
27.5°	303.9
30°	245.0
32.5°	187.9
35°	129.0
37.5°	83.1
40°	56.3
42.5°	37.2
45°	23.4
47.5°	15.6
50°	11.3
52.5°	8.7
55°	6.9
57.5°	5.2
60°	5.2
62.5°	5.2
65°	4.3
67.5°	4.3
70°	3.5
72.5°	3.5
75°	2.6
77.5°	2.6
80°	1.7
82.5°	1.7
85°	0.9
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)