

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: P886208

Luminaire Tested: ML204LSFL95FS1E-TIR1D55WFL-TL2RDMWB-468LM-4000K

Issue Date: 6/20/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P886208  
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-4000K  
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 55D TIR, MATTE WHITE BAFFLED TRIM  
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 4000K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 530.3 lumens  
Efficiency: N/A  
Efficacy: 66.3 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

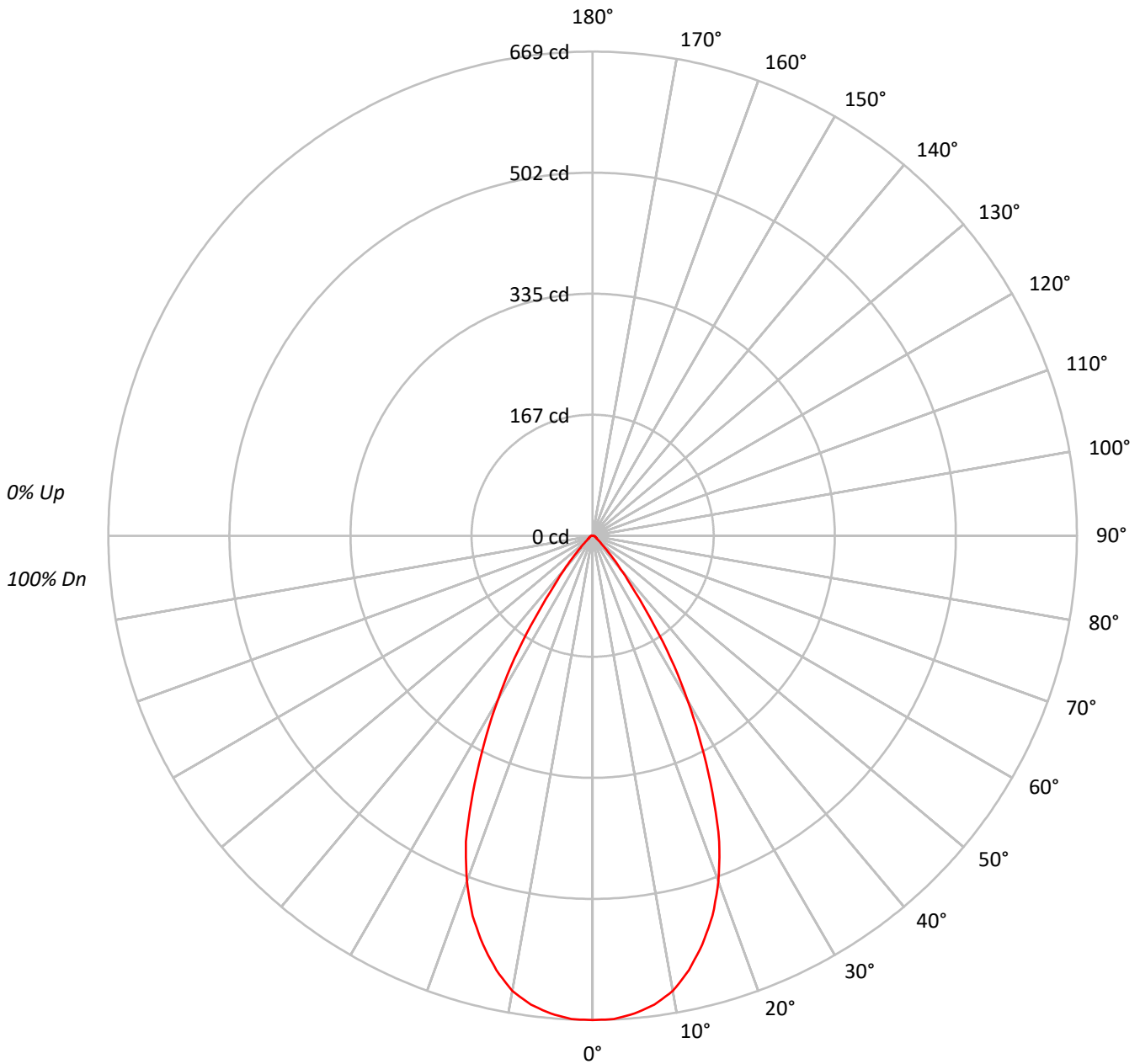
Input Watts (W): 8  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

RF	20				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				100
1	113	111	108	106	111	109	106	104	104	103	101	101	99	98	97	96	95	93				93
2	108	103	99	96	106	101	98	95	98	95	93	95	93	91	92	90	89	87				87
3	103	96	91	88	101	95	90	87	92	89	85	90	87	84	88	85	83	81				81
4	98	90	85	81	96	89	84	80	87	83	79	85	81	78	83	80	77	76				76
5	93	85	79	75	91	84	79	75	82	77	74	80	76	73	79	75	73	71				71
6	89	80	74	70	87	79	74	70	78	73	69	76	72	69	75	71	68	67				67
7	84	75	70	65	83	75	69	65	73	68	65	72	68	65	71	67	64	63				63
8	81	71	65	61	79	71	65	61	70	65	61	69	64	61	68	64	61	59				59
9	77	68	62	58	76	67	62	58	66	61	58	65	61	57	64	60	57	56				56
10	73	64	58	55	73	64	58	55	63	58	54	62	58	54	61	57	54	53				53

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

	0°
0°	330170
5°	328212
10°	319933
15°	298809
20°	266775
25°	213126
30°	149206
35°	83058
40°	38772
45°	17444
50°	9211
55°	6365
60°	5526
65°	5370
70°	5337
75°	5338
80°	5398
85°	5095

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 17444 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	62.5	11.8
10°-20°	162.8	30.7
20°-30°	176.9	33.4
30°-40°	89.9	16.9
40°-50°	22.3	4.2
50°-60°	6.9	1.3
60°-70°	4.8	0.9
70°-80°	3.2	0.6
80°-90°	1.0	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°	402.2	75.8
0°-40°	492.1	92.8
0°-60°	521.3	98.3
0°-90°	530.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	530.3	100.0

**CANDELA DISTRIBUTION:**

	0°	Flux
0°	669	
5°	663	63
15°	585	163
25°	392	177
35°	138	90
45°	25	22
55°	7	7
65°	5	5
75°	3	3
85°	1	1
90°	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°
0°	669.2
2.5°	668.3
5°	662.7
7.5°	653.5
10°	638.6
12.5°	614.6
15°	585.0
17.5°	550.7
20°	508.1
22.5°	457.2
25°	391.5
27.5°	324.9
30°	261.9
32.5°	200.9
35°	137.9
37.5°	88.9
40°	60.2
42.5°	39.8
45°	25.0
47.5°	16.7
50°	12.0
52.5°	9.3
55°	7.4
57.5°	5.6
60°	5.6
62.5°	5.6
65°	4.6
67.5°	4.6
70°	3.7
72.5°	3.7
75°	2.8
77.5°	2.8
80°	1.9
82.5°	1.9
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

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— 0°-180°

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(END OF REPORT)