

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: P886148

Luminaire Tested: ML204LSFL95FS1E-TIR1D40FL-TL2RDMWB-468LM-4000K

Issue Date: 6/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P886148
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-80)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/20/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFL95FS1E-TIR1D40FL-TL2RDMWB-468LM-4000K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 40D 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: 553.2 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.68
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

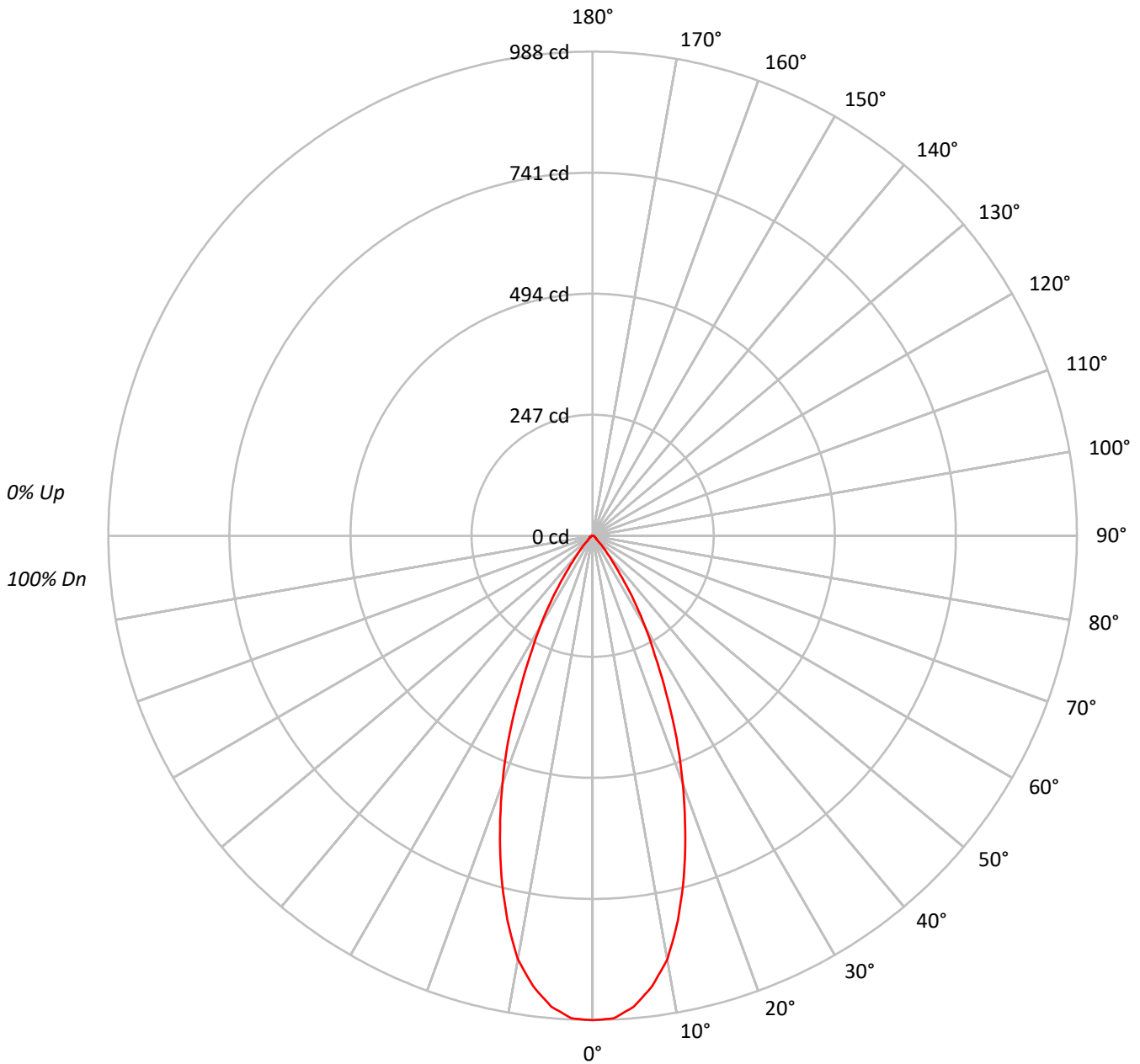
Input Watts (W): 8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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	94	92	90	88			
3	104	98	93	90	102	96	92	89	94	90	87	91	89	86	89	87	85	83			
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79			
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	81	78	76	74			
6	91	83	77	73	89	82	77	73	80	76	73	79	75	72	78	74	72	70			
7	87	79	73	69	86	78	73	69	77	72	69	76	71	68	74	71	68	67			
8	83	75	69	66	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	62	60			
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	65	62	59	58			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	487706
5°	477633
10°	439569
15°	367356
20°	282316
25°	192984
30°	121803
35°	62459
40°	29240
45°	13536
50°	7829
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: 13536 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.2	16.1
10°-20°	197.6	35.7
20°-30°	163.5	29.6
30°-40°	69.8	12.6
40°-50°	17.2	3.1
50°-60°	6.7	1.2
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°	450.4	81.4
0°-40°	520.2	94.1
0°-60°	544.1	98.4
0°-90°	553.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	553.2	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	988	
5°	964	89
15°	719	198
25°	354	164
35°	104	70
45°	19	17
55°	7	7
65°	5	5
75°	3	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	988.5
2.5°	985.7
5°	964.4
7.5°	927.4
10°	877.4
12.5°	803.4
15°	719.2
17.5°	628.5
20°	537.7
22.5°	447.0
25°	354.5
27.5°	274.9
30°	213.8
32.5°	157.3
35°	103.7
37.5°	67.6
40°	45.4
42.5°	31.5
45°	19.4
47.5°	12.0
50°	10.2
52.5°	8.3
55°	7.4
57.5°	6.5
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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