

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: P886145

Luminaire Tested: ML204LSFL95FS1E-TIR1D40FL-TL2RDMWB-468LM-2700K

Issue Date: 6/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P886145
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-2700K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 40D TIR, MATTE WHITE BAFFLED TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 2700K CCT
Ballast/Driver: -

Summary

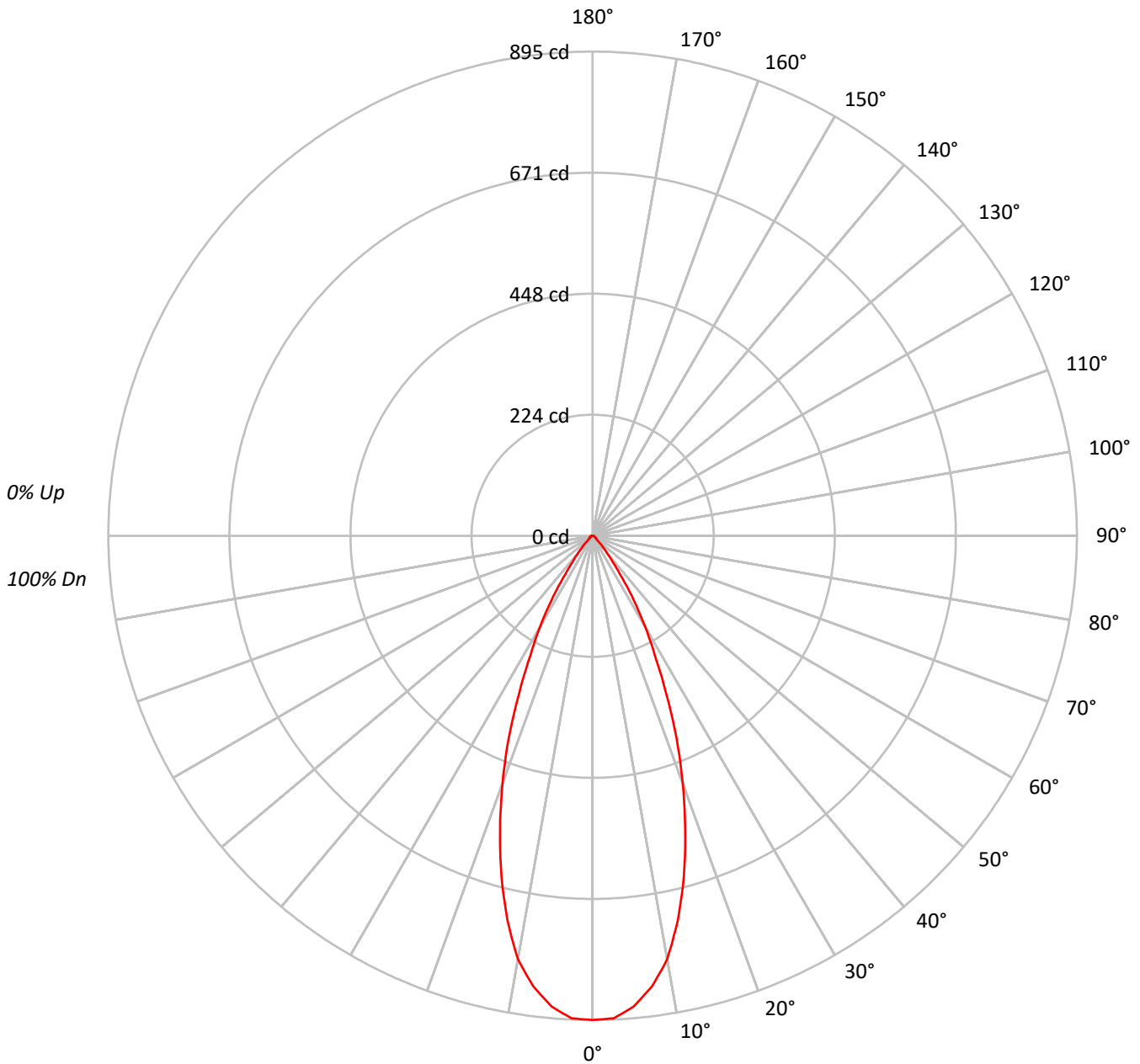
Lumens per Lamp: N/A
Luminaire Lumens: 500.9 lumens
Efficiency: N/A
Efficacy: 62.6 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.68
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	69	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°	441673
5°	432564
10°	398087
15°	332674
20°	255696
25°	174747
30°	110295
35°	56556
40°	26471
45°	12280
50°	7062
55°	5763
60°	4934
65°	4903
70°	4905
75°	4766
80°	4830
85°	4529

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12280 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.8	16.1
10°-20°	179.0	35.7
20°-30°	148.1	29.6
30°-40°	63.2	12.6
40°-50°	15.6	3.1
50°-60°	6.1	1.2
60°-70°	4.4	0.9
70°-80°	2.9	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°	407.9	81.4
0°-40°	471.1	94.1
0°-60°	492.8	98.4
0°-90°	500.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	500.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	895	
5°	873	81
15°	651	179
25°	321	148
35°	94	63
45°	18	16
55°	7	6
65°	4	4
75°	2	3
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	895.2
2.5°	892.7
5°	873.4
7.5°	839.9
10°	794.6
12.5°	727.6
15°	651.3
17.5°	569.1
20°	487.0
22.5°	404.9
25°	321.0
27.5°	248.9
30°	193.6
32.5°	142.5
35°	93.9
37.5°	61.2
40°	41.1
42.5°	28.5
45°	17.6
47.5°	10.9
50°	9.2
52.5°	7.5
55°	6.7
57.5°	5.9
60°	5.0
62.5°	5.0
65°	4.2
67.5°	4.2
70°	3.4
72.5°	3.4
75°	2.5
77.5°	2.5
80°	1.7
82.5°	1.7
85°	0.8
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)