

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: P886387

Luminaire Tested: ML204LSFL9FS1E-TIR1D55WFL-TL2RDMBB-550LM-3500K

Issue Date: 6/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P886387
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-88)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/20/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFL9FS1E-TIR1D55WFL-TL2RDMBB-550LM-3500K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 55D TIR, MATTE BLACK BAFFLED TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

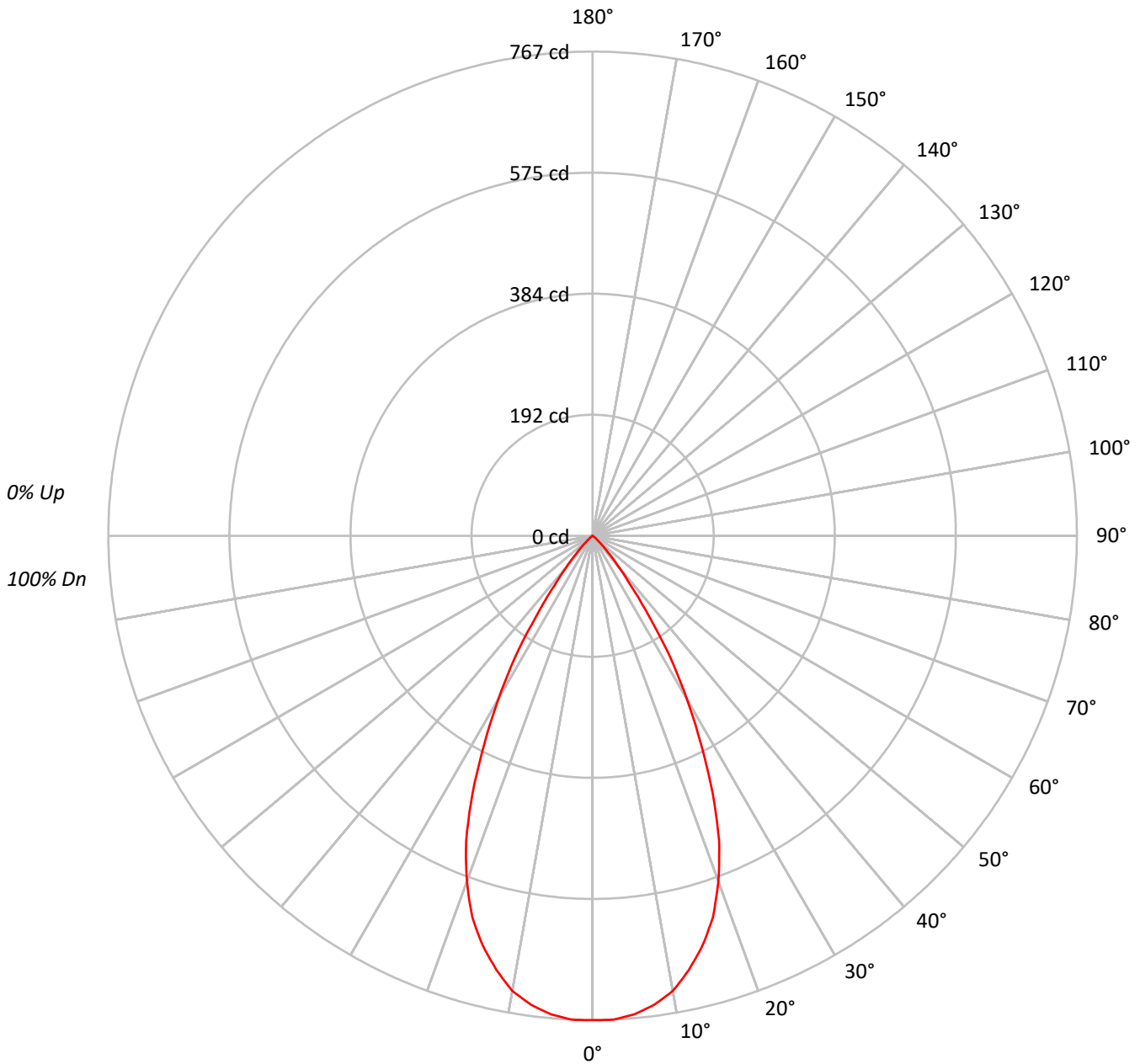
Lumens per Lamp: N/A
Luminaire Lumens: 584.8 lumens
Efficiency: N/A
Efficacy: 74.0 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.82
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.9
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									
RC	80									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	107	102	99	96	99	96	94	96	94	92	94	92	90	88																			
3	104	98	93	89	102	96	92	89	94	90	87	91	88	86	89	87	84	83																			
4	99	92	87	83	97	91	86	82	89	84	81	87	83	80	85	82	79	78																			
5	94	86	81	77	93	85	80	77	84	79	76	82	78	75	81	77	75	73																			
6	90	81	76	72	88	81	75	72	79	75	71	78	74	71	77	73	70	69																			
7	86	77	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65																			
8	82	73	67	63	81	72	67	63	71	66	63	70	66	63	69	65	63	61																			
9	78	69	64	60	77	69	63	60	68	63	60	67	62	59	66	62	59	58																			
10	75	66	60	57	74	65	60	56	64	60	56	64	59	56	63	59	56	55																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	378570
5°	376847
10°	366775
15°	343349
20°	305785
25°	244918
30°	169886
35°	93960
40°	41284
45°	15629
50°	4912
55°	946
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 15629 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.7	12.3
10°-20°	186.9	32.0
20°-30°	202.6	34.6
30°-40°	101.5	17.4
40°-50°	20.5	3.5
50°-60°	1.6	0.3
60°-70°	0.0	0.0
70°-80°	0.0	0.0
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°	461.2	78.9
0°-40°	562.7	96.2
0°-60°	584.8	100.0
0°-90°	584.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	584.8	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	767	
5°	761	72
15°	672	187
25°	450	203
35°	156	101
45°	22	20
55°	1	2
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	767.3
2.5°	767.3
5°	760.9
7.5°	749.2
10°	732.1
12.5°	704.3
15°	672.2
17.5°	633.7
20°	582.4
22.5°	523.7
25°	449.9
27.5°	370.8
30°	298.2
32.5°	229.8
35°	156.0
37.5°	98.3
40°	64.1
42.5°	39.5
45°	22.4
47.5°	11.8
50°	6.4
52.5°	3.2
55°	1.1
57.5°	0.0
60°	0.0
62.5°	0.0
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
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

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— 0°-180°

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