

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: P886396

Luminaire Tested: ML204LSFL9FS1E-TIR1D55WFL-TL2RDMWB-550LM-3000K

Issue Date: 6/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P886396
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: ML204LSFL9FS1E-TIR1D55WFL-TL2RDMWB-550LM-3000K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 55D TIR, MATTE WHITE BAFFLED TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

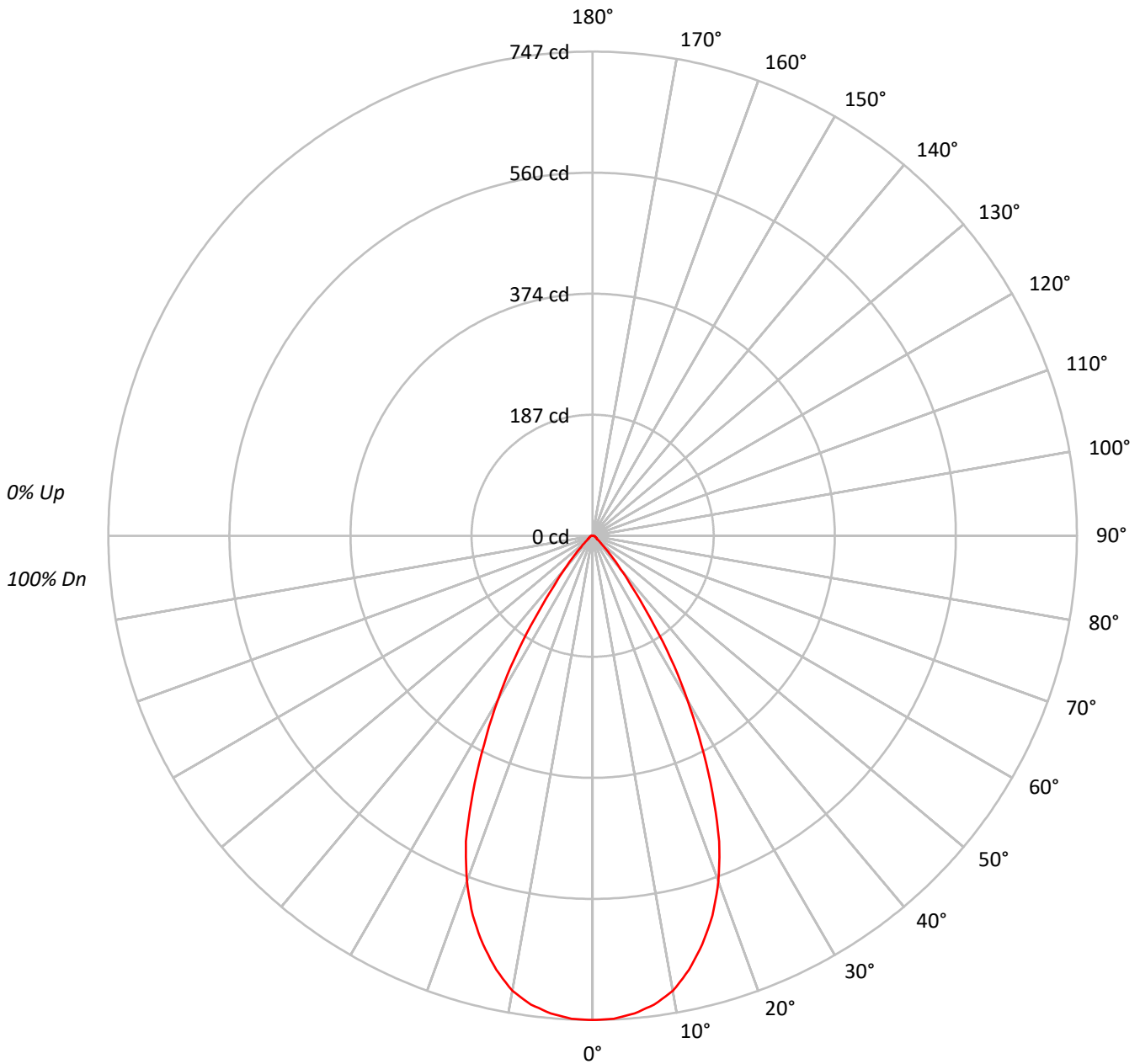
Lumens per Lamp: N/A
Luminaire Lumens: 591.9 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.82
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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				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
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°	368555
5°	366396
10°	357156
15°	333542
20°	297805
25°	237896
30°	166582
35°	92695
40°	43281
45°	19467
50°	10285
55°	7140
60°	6118
65°	6071
70°	5914
75°	5909
80°	5967
85°	5661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19467 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.8	11.8
10°-20°	181.7	30.7
20°-30°	197.5	33.4
30°-40°	100.3	16.9
40°-50°	24.8	4.2
50°-60°	7.7	1.3
60°-70°	5.4	0.9
70°-80°	3.5	0.6
80°-90°	1.1	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°	449.0	75.9
0°-40°	549.3	92.8
0°-60°	581.8	98.3
0°-90°	591.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	591.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	747	
5°	740	70
15°	653	182
25°	437	197
35°	154	100
45°	28	25
55°	8	8
65°	5	5
75°	3	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	747.0
2.5°	746.0
5°	739.8
7.5°	729.4
10°	712.9
12.5°	686.0
15°	653.0
17.5°	614.7
20°	567.2
22.5°	510.4
25°	437.0
27.5°	362.6
30°	292.4
32.5°	224.2
35°	153.9
37.5°	99.2
40°	67.2
42.5°	44.4
45°	27.9
47.5°	18.6
50°	13.4
52.5°	10.3
55°	8.3
57.5°	6.2
60°	6.2
62.5°	6.2
65°	5.2
67.5°	5.2
70°	4.1
72.5°	4.1
75°	3.1
77.5°	3.1
80°	2.1
82.5°	2.1
85°	1.0
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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