

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: P886397

Luminaire Tested: ML204LSFL9FS1E-TIR1D55WFL-TL2RDMWB-550LM-3500K

Issue Date: 6/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P886397
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-3500K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 55D TIR, MATTE WHITE BAFFLED TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

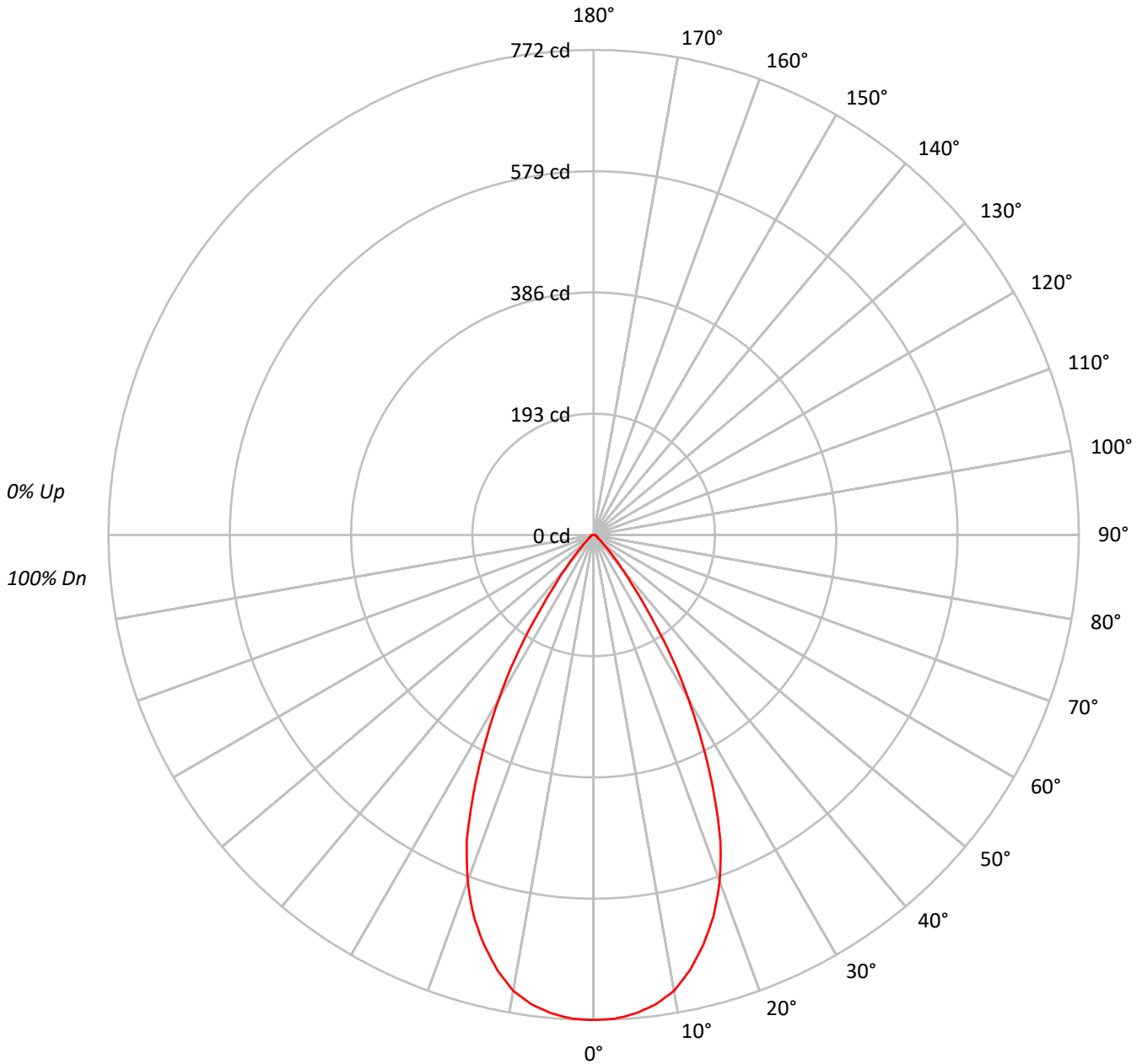
Lumens per Lamp: N/A
Luminaire Lumens: 611.7 lumens
Efficiency: N/A
Efficacy: 77.4 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.82
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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			
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°	380938
5°	378679
10°	369180
15°	344728
20°	307833
25°	245898
30°	172165
35°	95827
40°	44698
45°	20095
50°	10669
55°	7312
60°	6315
65°	6187
70°	6203
75°	6100
80°	5967
85°	6227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20095 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.1	11.8
10°-20°	187.8	30.7
20°-30°	204.1	33.4
30°-40°	103.7	16.9
40°-50°	25.7	4.2
50°-60°	7.9	1.3
60°-70°	5.5	0.9
70°-80°	3.7	0.6
80°-90°	1.2	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°	464.1	75.9
0°-40°	567.8	92.8
0°-60°	601.4	98.3
0°-90°	611.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	611.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	772	
5°	765	72
15°	675	188
25°	452	204
35°	159	104
45°	29	26
55°	8	8
65°	5	6
75°	3	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	772.1
2.5°	771.0
5°	764.6
7.5°	753.9
10°	736.9
12.5°	709.1
15°	674.9
17.5°	635.4
20°	586.3
22.5°	527.5
25°	451.7
27.5°	374.8
30°	302.2
32.5°	231.7
35°	159.1
37.5°	102.5
40°	69.4
42.5°	45.9
45°	28.8
47.5°	19.2
50°	13.9
52.5°	10.7
55°	8.5
57.5°	6.4
60°	6.4
62.5°	6.4
65°	5.3
67.5°	5.3
70°	4.3
72.5°	4.3
75°	3.2
77.5°	3.2
80°	2.1
82.5°	2.1
85°	1.1
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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