

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: P886287

Luminaire Tested: ML204LSFL9FS1E-TIR1D25NFL-TL2RDSLb-550LM-3500K

Issue Date: 7/18/2024

Test Information

Test Method: LM-79-2019
Report Number: P886287
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-75)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/18/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFL9FS1E-TIR1D25NFL-TL2RDSL B-550LM-3500K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 25D TIR, METALLIC SILVER BAFFLED TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

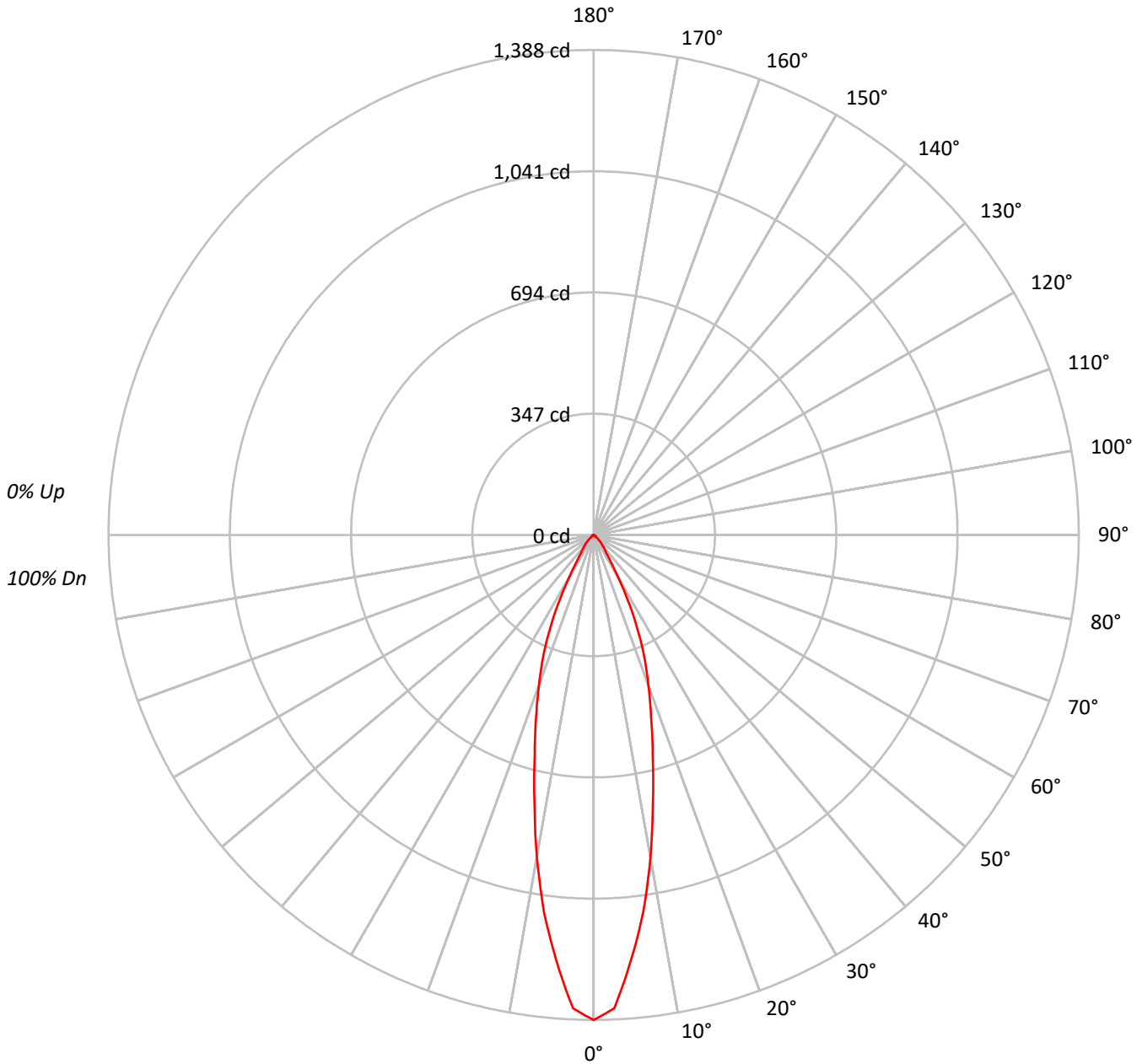
Lumens per Lamp: N/A
Luminaire Lumens: 496.0 lumens
Efficiency: N/A
Efficacy: 62.8 lumens/watt
Spacing Criteria (0/90/45): 0.46 / 0.46 / 0.54
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7.9
Input Voltage (V): NR
Input Current (A_{in}): 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			100																
1	114	112	109	107	112	110	108	106	106	104	103	102	101	100	98	98	97	95			95																
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90			90																
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85			85																
4	101	94	89	86	99	93	89	85	91	87	84	89	86	83	87	85	82	81			81																
5	97	89	84	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77			77																
6	93	85	80	76	91	84	80	76	83	79	76	82	78	75	81	77	75	74			74																
7	89	81	76	73	88	81	76	73	80	75	72	78	75	72	77	74	71	70			70																
8	86	78	73	69	85	77	73	69	76	72	69	75	71	69	75	71	68	67			67																
9	83	75	70	66	82	74	69	66	73	69	66	73	69	66	72	68	66	64			64																
10	80	72	67	64	79	71	67	63	71	66	63	70	66	63	69	66	63	62			62																

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	685008
5°	605609
10°	468677
15°	332776
20°	239997
25°	161029
30°	78505
35°	37945
40°	26149
45°	17165
50°	6524
55°	4559
60°	4243
65°	2452
70°	3029
75°	2097
80°	3125
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 17165 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.0	21.8
10°-20°	182.8	36.9
20°-30°	132.8	26.8
30°-40°	44.8	9.0
40°-50°	18.2	3.7
50°-60°	5.2	1.1
60°-70°	2.6	0.5
70°-80°	1.3	0.3
80°-90°	0.1	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°	423.7	85.4
0°-40°	468.4	94.4
0°-60°	491.9	99.2
0°-90°	496.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	496.0	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1388	
5°	1223	108
15°	652	183
25°	296	133
35°	63	45
45°	25	18
55°	5	5
65°	2	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	1388.4
2.5°	1356.3
5°	1222.8
7.5°	1088.3
10°	935.5
12.5°	781.8
15°	651.5
17.5°	546.8
20°	457.1
22.5°	379.1
25°	295.8
27.5°	213.6
30°	137.8
32.5°	89.7
35°	63.0
37.5°	50.2
40°	40.6
42.5°	33.1
45°	24.6
47.5°	13.9
50°	8.5
52.5°	7.5
55°	5.3
57.5°	4.3
60°	4.3
62.5°	3.2
65°	2.1
67.5°	2.1
70°	2.1
72.5°	1.1
75°	1.1
77.5°	1.1
80°	1.1
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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