

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: P886289

Luminaire Tested: ML204LSFL9FS1E-TIR1D25NFL-TL2RDSLb-550LM-5000K

Issue Date: 7/18/2024

Test Information

Test Method: LM-79-2019
Report Number: P886289
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-5000K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 25D TIR, METALLIC SILVER BAFFLED TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 5000K CCT
Ballast/Driver: -

Summary

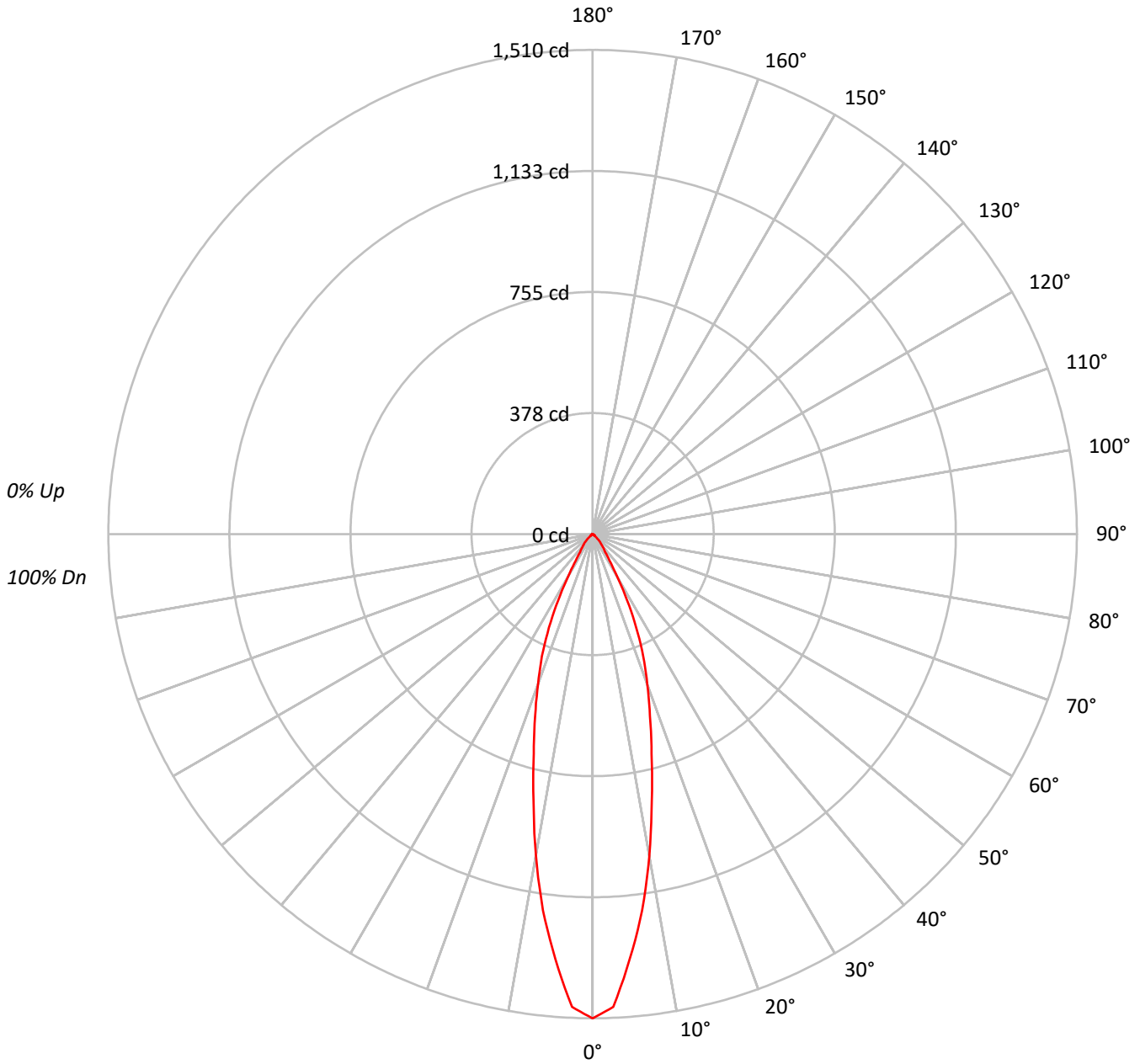
Lumens per Lamp: N/A
Luminaire Lumens: 539.6 lumens
Efficiency: N/A
Efficacy: 68.3 lumens/watt
Spacing Criteria (0/90/45): 0.46 / 0.46 / 0.54
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	745250
5°	658899
10°	509958
15°	362044
20°	261104
25°	175237
30°	85399
35°	41318
40°	28468
45°	18630
50°	7138
55°	4989
60°	4539
65°	2685
70°	3318
75°	2288
80°	3410
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18630 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.5	21.8
10°-20°	198.9	36.9
20°-30°	144.5	26.8
30°-40°	48.7	9.0
40°-50°	19.8	3.7
50°-60°	5.7	1.0
60°-70°	2.9	0.5
70°-80°	1.4	0.3
80°-90°	0.2	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°	460.9	85.4
0°-40°	509.7	94.5
0°-60°	535.2	99.2
0°-90°	539.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	539.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1510	
5°	1330	118
15°	709	199
25°	322	145
35°	69	49
45°	27	20
55°	6	6
65°	2	3
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1510.5
2.5°	1475.7
5°	1330.4
7.5°	1184.0
10°	1017.9
12.5°	850.5
15°	708.8
17.5°	594.9
20°	497.3
22.5°	412.5
25°	321.9
27.5°	232.4
30°	149.9
32.5°	97.6
35°	68.6
37.5°	54.6
40°	44.2
42.5°	36.0
45°	26.7
47.5°	15.1
50°	9.3
52.5°	8.1
55°	5.8
57.5°	4.6
60°	4.6
62.5°	3.5
65°	2.3
67.5°	2.3
70°	2.3
72.5°	1.2
75°	1.2
77.5°	1.2
80°	1.2
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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