

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: P886267

Luminaire Tested: ML204LSFL9FS1E-TIR1D25NFL-TL2RDMBB-550LM-3500K

Issue Date: 7/18/2024

Test Information

Test Method: LM-79-2019
Report Number: P886267
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-76)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/18/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFL9FS1E-TIR1D25NFL-TL2RDMMBB-550LM-3500K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 25D TIR, MATTE BLACK BAFFLED TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3500K CCT
Ballast/Driver: -

Summary

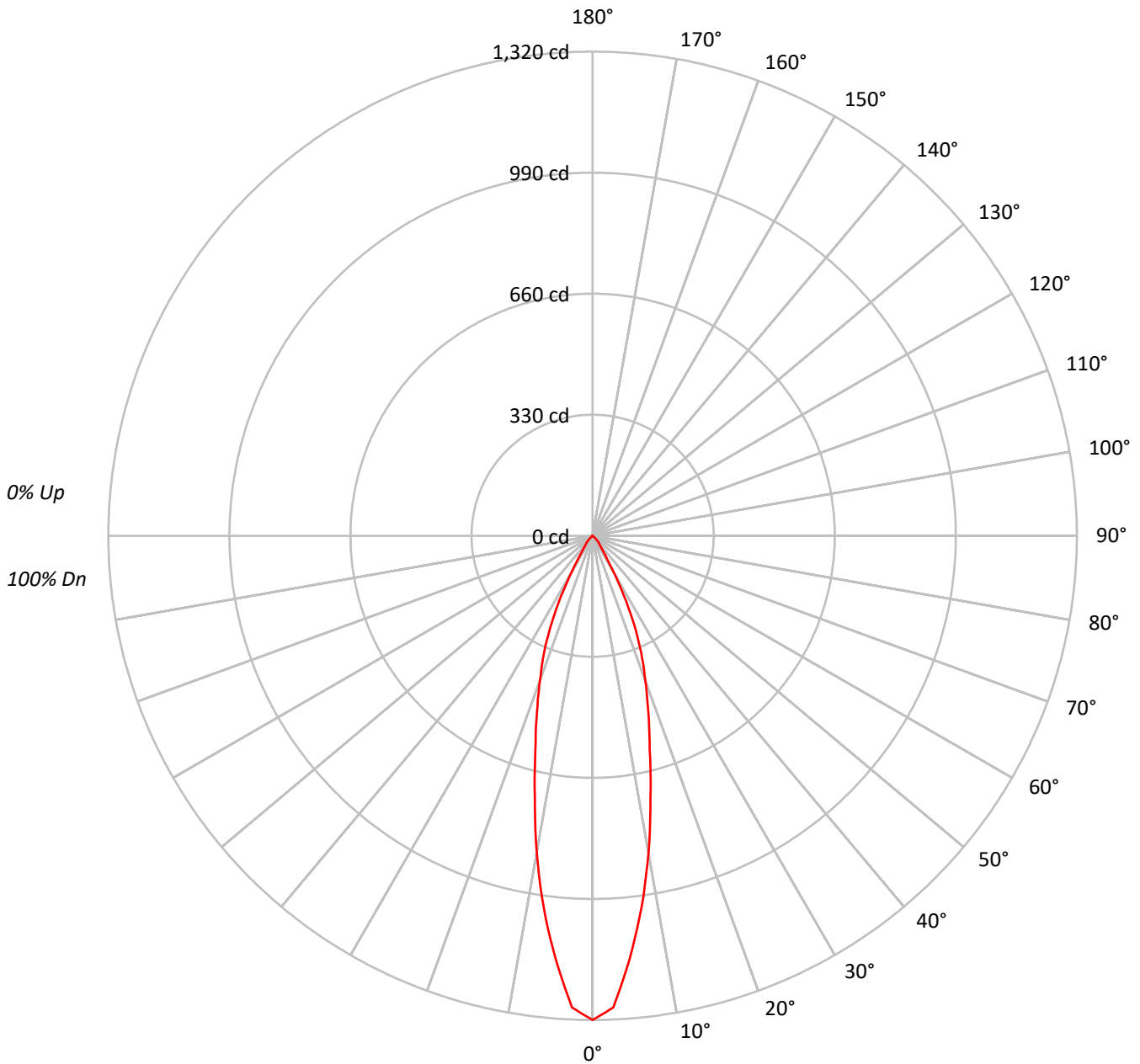
Lumens per Lamp: N/A
Luminaire Lumens: 434.1 lumens
Efficiency: N/A
Efficacy: 55.0 lumens/watt
Spacing Criteria (0/90/45): 0.46 / 0.46 / 0.53
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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				100															
1	114	112	110	108	112	110	108	106	106	105	103	102	101	100	99	98	97	96				96															
2	110	106	103	100	108	104	101	99	101	99	97	98	96	95	96	94	93	91				91															
3	106	101	96	93	104	99	96	92	97	94	91	94	92	90	92	90	88	87				87															
4	102	96	91	88	100	95	90	87	93	89	86	91	88	85	89	86	84	83				83															
5	98	91	87	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79				79															
6	94	87	82	79	93	86	82	79	85	81	78	84	80	78	83	80	77	76				76															
7	91	84	79	75	90	83	78	75	82	78	75	81	77	74	80	76	74	73				73															
8	88	80	75	72	87	80	75	72	79	75	72	78	74	71	77	74	71	70				70															
9	85	77	72	69	84	77	72	69	76	72	69	75	71	68	74	71	68	67				67															
10	82	74	69	66	81	74	69	66	73	69	66	72	69	66	72	68	66	65				65															

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	651360
5°	573367
10°	439168
15°	307390
20°	219993
25°	146058
30°	63921
35°	26381
40°	17196
45°	10466
50°	1612
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: 10466 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.8	23.5
10°-20°	169.3	39.0
20°-30°	119.1	27.4
30°-40°	32.6	7.5
40°-50°	10.6	2.4
50°-60°	0.7	0.2
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°	390.2	89.9
0°-40°	422.8	97.4
0°-60°	434.1	100.0
0°-90°	434.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	434.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1320	
5°	1158	102
15°	602	169
25°	268	119
35°	44	33
45°	15	11
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1320.2
2.5°	1287.0
5°	1157.7
7.5°	1021.9
10°	876.6
12.5°	728.0
15°	601.8
17.5°	503.5
20°	419.0
22.5°	346.3
25°	268.3
27.5°	186.0
30°	112.2
32.5°	67.3
35°	43.8
37.5°	33.1
40°	26.7
42.5°	21.4
45°	15.0
47.5°	5.3
50°	2.1
52.5°	1.1
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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