

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: P886341

Luminaire Tested: ML204LSFL9FS1E-TIR1D40FL-TL2RDSL-550LM-3000K

Issue Date: 6/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P886341
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-78)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/20/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFL9FS1E-TIR1D40FL-TL2RDSL-550LM-3000K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 40D TIR, METALLIC SILVER TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

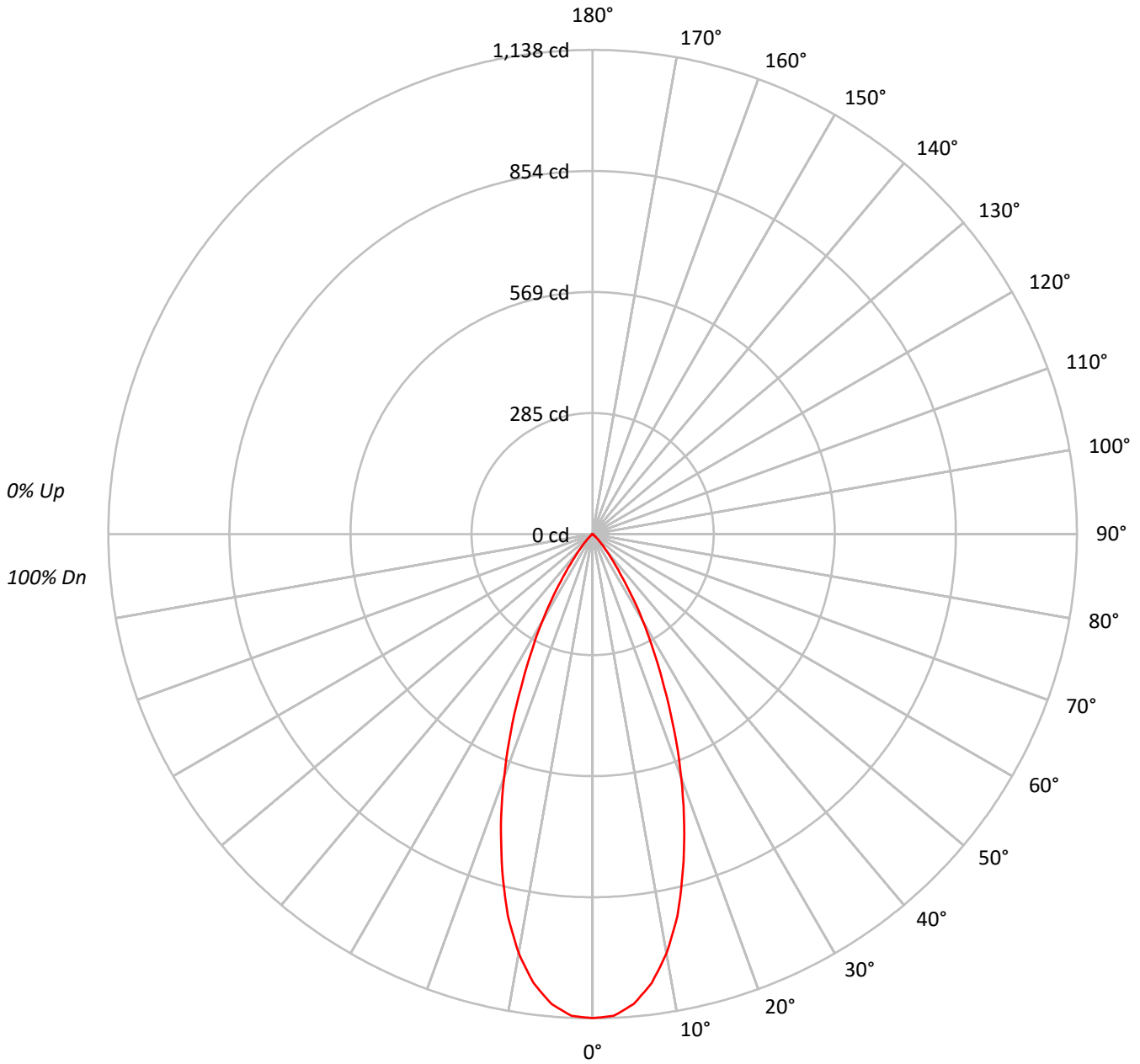
Lumens per Lamp: N/A
Luminaire Lumens: 607.4 lumens
Efficiency: N/A
Efficacy: 76.9 lumens/watt
Spacing Criteria (0/90/45): 0.67 / 0.67 / 0.67
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	0
RCR																					
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100			
1	114	112	109	107	112	109	107	106	105	104	102	102	101	99	98	97	97	95			
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90			
3	105	99	95	91	103	98	94	90	95	92	89	93	90	87	90	88	86	85			
4	100	93	89	85	98	92	88	84	90	86	83	88	85	82	87	84	82	80			
5	96	89	83	80	94	88	83	79	86	82	79	84	81	78	83	80	77	76			
6	92	84	79	75	91	83	78	75	82	78	74	81	77	74	79	76	73	72			
7	88	80	75	71	87	79	74	71	78	74	70	77	73	70	76	72	70	69			
8	85	76	71	67	84	76	71	67	75	70	67	74	70	67	73	69	66	65			
9	81	73	68	64	80	72	67	64	71	67	64	71	67	64	70	66	63	62			
10	78	70	65	61	77	69	64	61	68	64	61	68	64	61	67	63	61	59			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	561269
5°	549099
10°	501091
15°	418536
20°	319542
25°	216556
30°	134792
35°	67217
40°	31301
45°	11513
50°	4759
55°	2667
60°	2072
65°	1167
70°	1443
75°	1906
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 11513 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.4	16.9
10°-20°	225.2	37.1
20°-30°	183.9	30.3
30°-40°	75.4	12.4
40°-50°	15.7	2.6
50°-60°	3.0	0.5
60°-70°	1.1	0.2
70°-80°	0.7	0.1
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°	511.5	84.2
0°-40°	586.9	96.6
0°-60°	605.6	99.7
0°-90°	607.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	607.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1138	
5°	1109	102
15°	819	225
25°	398	184
35°	112	75
45°	16	16
55°	3	3
65°	1	1
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1137.6
2.5°	1133.5
5°	1108.7
7.5°	1064.2
10°	1000.2
12.5°	919.6
15°	819.4
17.5°	716.0
20°	608.6
22.5°	502.2
25°	397.8
27.5°	311.0
30°	236.6
32.5°	168.4
35°	111.6
37.5°	72.3
40°	48.6
42.5°	30.0
45°	16.5
47.5°	9.3
50°	6.2
52.5°	4.1
55°	3.1
57.5°	2.1
60°	2.1
62.5°	1.0
65°	1.0
67.5°	1.0
70°	1.0
72.5°	1.0
75°	1.0
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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