

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: P886346

Luminaire Tested: ML204LSFL9FS1E-TIR1D40FL-TL2RDSLb-550LM-3000K

Issue Date: 6/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P886346
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-81)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/20/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFL9FS1E-TIR1D40FL-TL2RDSL B-550LM-3000K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 40D TIR, METALLIC SILVER BAFFLED TRIM
Light Source: (1) STANDARD SELECTABLE LUMEN LED 90CRI / 3000K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 614.1 lumens
Efficiency: N/A
Efficacy: 77.7 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.68
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

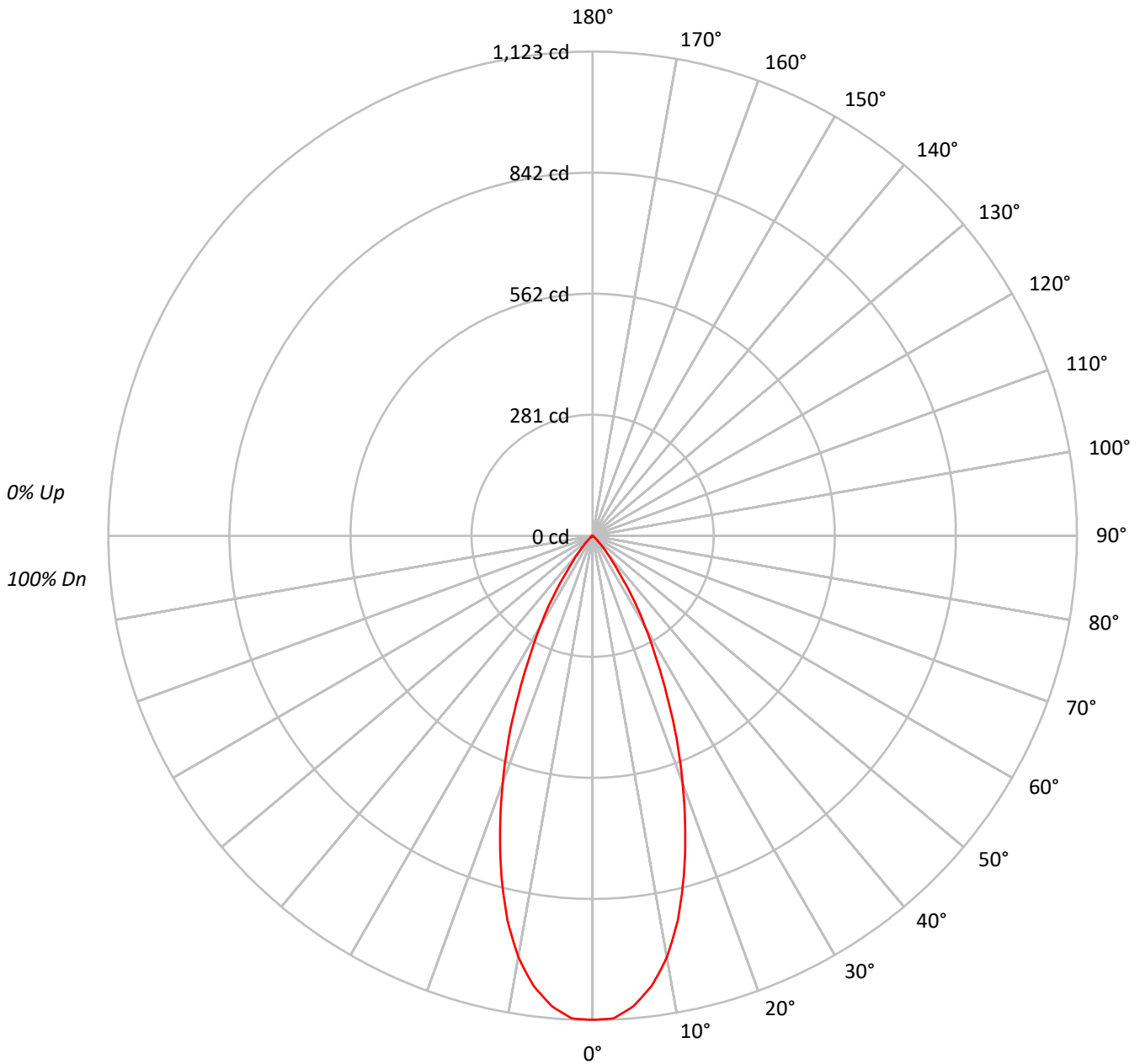
Input Watts (W): 7.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P886346

CATALOG NUMBER: ML204LSFL9FS1E-TIR1D40FL-TL2RDSL B-550LM-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P886346

CATALOG NUMBER: ML204LSFL9FS1E-TIR1D40FL-TL2RDSLb-550LM-3000K

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	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	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	89
3	104	99	94	91	103	97	93	90	95	91	89		92	90	87		90	88	86	84
4	100	93	88	85	98	92	88	84	90	86	83		88	85	82		86	84	81	80
5	96	88	83	79	94	87	83	79	86	81	78		84	80	78		83	79	77	76
6	92	84	79	75	90	83	78	74	82	77	74		80	76	73		79	76	73	72
7	88	80	74	71	87	79	74	70	78	73	70		77	73	70		76	72	69	68
8	84	76	71	67	83	75	70	67	74	70	67		73	69	66		72	69	66	65
9	81	72	67	64	80	72	67	64	71	67	63		70	66	63		69	66	63	62
10	78	69	64	61	77	69	64	61	68	64	60		67	63	60		67	63	60	59

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	553868
5°	542166
10°	497233
15°	417260
20°	319909
25°	220966
30°	138837
35°	71554
40°	33234
45°	12978
50°	5526
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: 12978 cd/sqm



TEST NUMBER: P886346

CATALOG NUMBER: ML204LSFL9FS1E-TIR1D40FL-TL2RDSLb-550LM-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.2	16.5
10°-20°	224.3	36.5
20°-30°	186.6	30.4
30°-40°	79.8	13.0
40°-50°	17.0	2.8
50°-60°	3.3	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°	512.2	83.4
0°-40°	592.0	96.4
0°-60°	612.3	99.7
0°-90°	614.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	614.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1123	
5°	1095	101
15°	817	224
25°	406	187
35°	119	80
45°	19	17
55°	3	3
65°	1	1
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P886346

CATALOG NUMBER: ML204LSFL9FS1E-TIR1D40FL-TL2RDSL B-550LM-3000K

CANDELA DISTRIBUTION (FULL):

	0°
0°	1122.6
2.5°	1120.5
5°	1094.7
7.5°	1052.4
10°	992.5
12.5°	912.9
15°	816.9
17.5°	713.6
20°	609.3
22.5°	508.1
25°	405.9
27.5°	316.0
30°	243.7
32.5°	180.7
35°	118.8
37.5°	76.4
40°	51.6
42.5°	33.0
45°	18.6
47.5°	9.3
50°	7.2
52.5°	5.2
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

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



— 0°-180°

Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



Signify Classified - Internal
Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report



(END OF REPORT)