

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: P886406

Luminaire Tested: ML204LSFL9FS1E-TIR1D55WFL-TL2RDSLb-550LM-3000K

Issue Date: 6/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P886406
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-87)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/20/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFL9FS1E-TIR1D55WFL-TL2RDSL B-550LM-3000K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 55D 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: 586.7 lumens
Efficiency: N/A
Efficacy: 74.3 lumens/watt
Spacing Criteria (0/90/45): 0.86 / 0.86 / 0.82
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

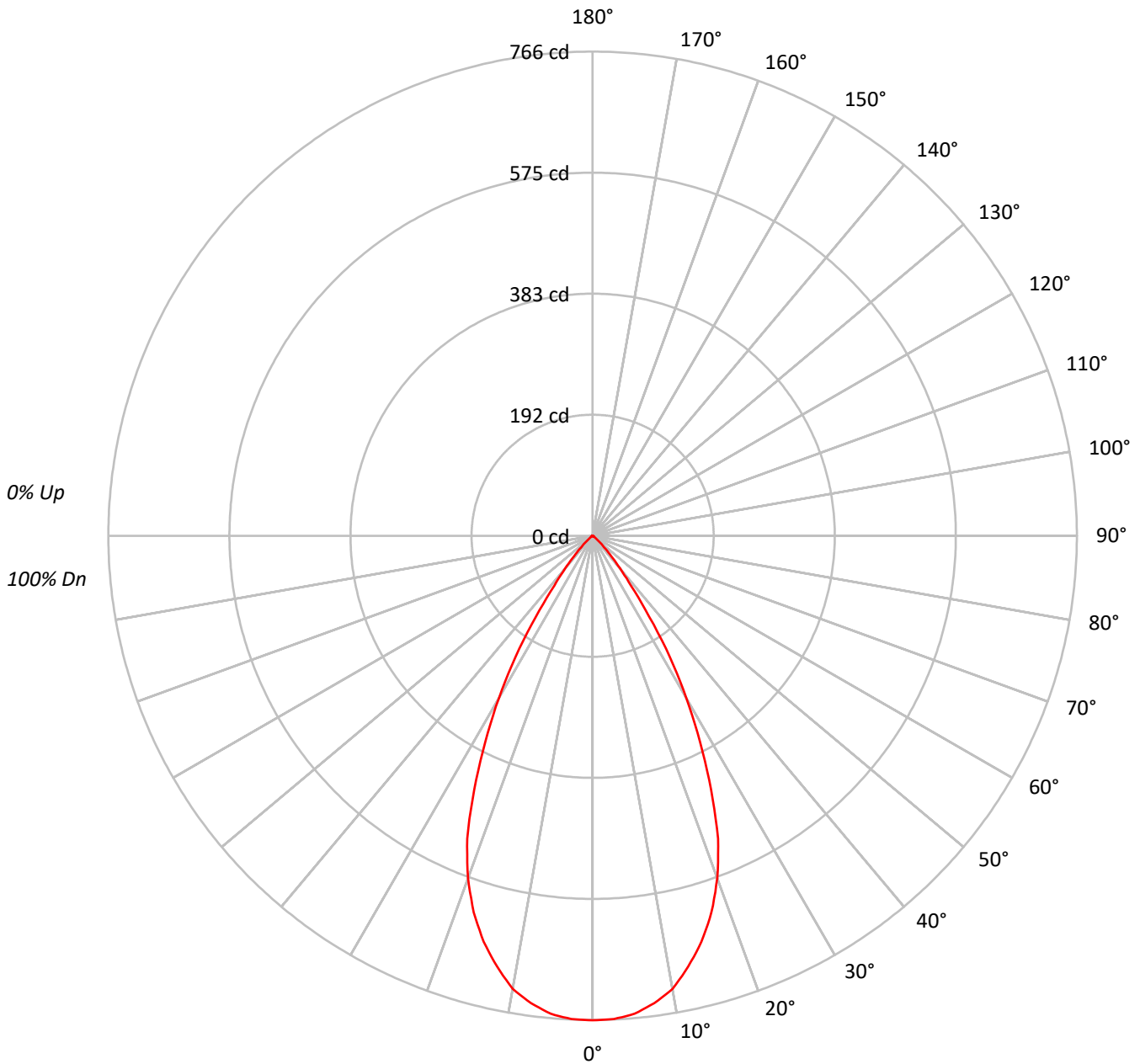
Input Watts (W): 7.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P886406

CATALOG NUMBER: ML204LSFL9FS1E-TIR1D55WFL-TL2RDSL B-550LM-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P886406

CATALOG NUMBER: ML204LSFL9FS1E-TIR1D55WFL-TL2RDSL B-550LM-3000K

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																			
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94																			
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	93	91	90	88																			
3	103	97	93	89	101	96	92	88	93	90	87	91	88	85	89	86	84	83																			
4	99	91	86	82	97	90	85	82	88	84	81	86	83	80	84	81	79	77																			
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73																			
6	90	81	75	71	88	80	75	71	79	74	71	77	73	70	76	73	70	68																			
7	85	77	71	67	84	76	71	67	75	70	66	73	69	66	72	69	66	64																			
8	81	72	67	63	80	72	66	63	71	66	62	70	65	62	69	65	62	61																			
9	78	69	63	59	77	68	63	59	67	62	59	66	62	59	66	62	59	57																			
10	74	65	60	56	73	65	60	56	64	59	56	63	59	56	63	58	55	54																			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	378175
5°	376005
10°	364821
15°	339774
20°	302635
25°	241217
30°	168918
35°	93960
40°	43217
45°	18002
50°	7138
55°	2667
60°	2072
65°	1167
70°	1443
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18002 cd/sqm



TEST NUMBER: P886406

CATALOG NUMBER: ML204LSFL9FS1E-TIR1D55WFL-TL2RDSLb-550LM-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.4	12.2
10°-20°	185.0	31.5
20°-30°	200.4	34.2
30°-40°	101.4	17.3
40°-50°	23.2	4.0
50°-60°	3.8	0.6
60°-70°	1.1	0.2
70°-80°	0.4	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°	456.9	77.9
0°-40°	558.2	95.1
0°-60°	585.2	99.7
0°-90°	586.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	586.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	766	
5°	759	71
15°	665	185
25°	443	200
35°	156	101
45°	26	23
55°	3	4
65°	1	1
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P886406

CATALOG NUMBER: ML204LSFL9FS1E-TIR1D55WFL-TL2RDSL B-550LM-3000K

CANDELA DISTRIBUTION (FULL):

	0°
0°	766.5
2.5°	765.4
5°	759.2
7.5°	745.8
10°	728.2
12.5°	698.3
15°	665.2
17.5°	625.0
20°	576.4
22.5°	518.6
25°	443.1
27.5°	367.7
30°	296.5
32.5°	227.3
35°	156.0
37.5°	99.2
40°	67.1
42.5°	43.4
45°	25.8
47.5°	15.5
50°	9.3
52.5°	6.2
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°	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

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)