

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: P886146

Luminaire Tested: ML204LSFL95FS1E-TIR1D40FL-TL2RDMWB-468LM-3000K

Issue Date: 6/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P886146
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-80)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/20/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFL95FS1E-TIR1D40FL-TL2RDMWB-468LM-3000K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 40D TIR, MATTE WHITE BAFFLED TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 3000K CCT
Ballast/Driver: -

Summary

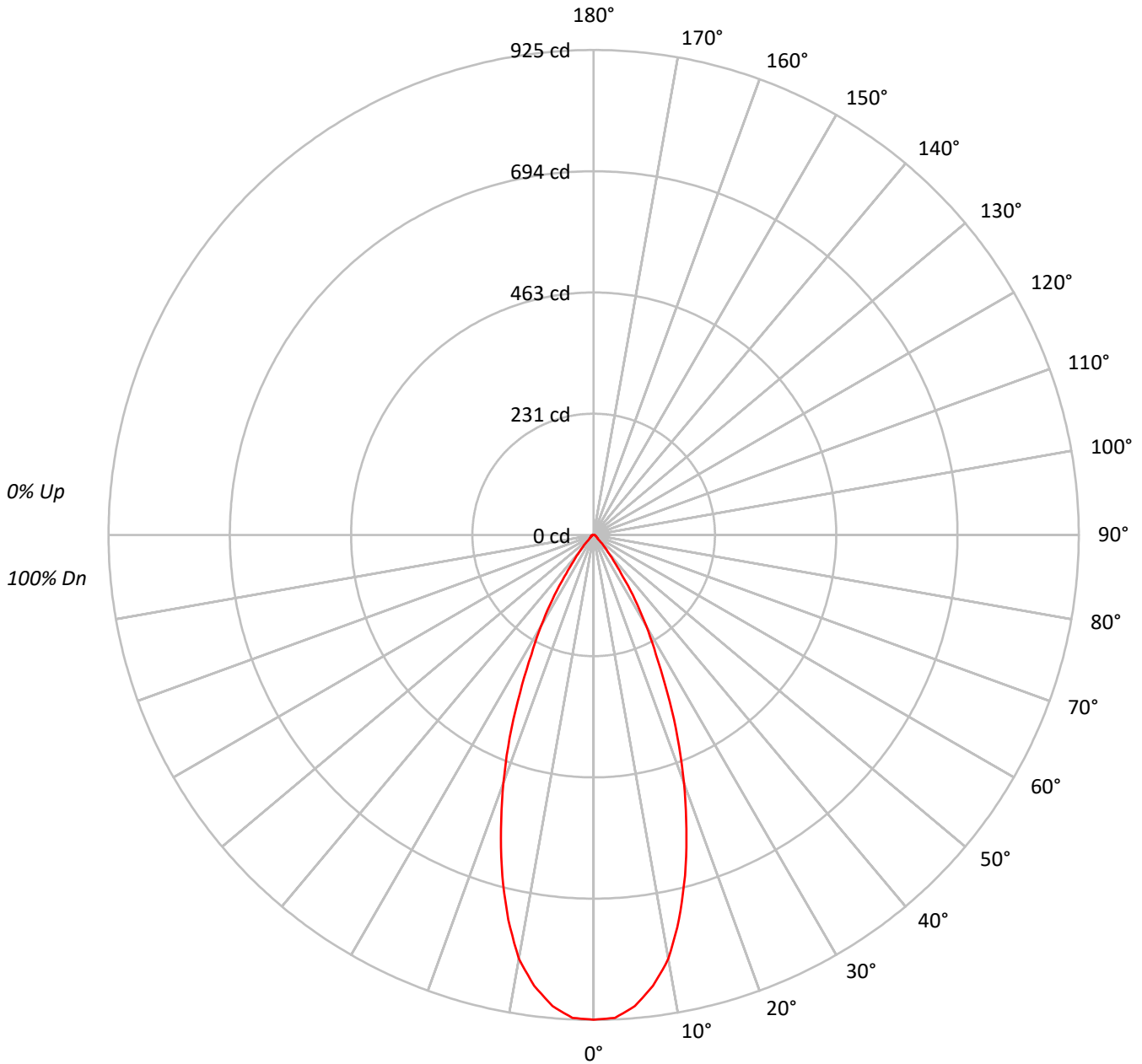
Lumens per Lamp: N/A
Luminaire Lumens: 517.4 lumens
Efficiency: N/A
Efficacy: 64.7 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.68
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8
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



TEST NUMBER: P886146
CATALOG NUMBER: ML204LSFL95FS1E-TIR1D40FL-TL2RDMWB-468LM-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P886146

CATALOG NUMBER: ML204LSFL95FS1E-TIR1D40FL-TL2RDMWB-468LM-3000K

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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				100
1	114	111	109	107	111	109	107	105	105	103	102	101	100	99	98	97	96	94				94
2	109	104	100	97	106	102	99	96	99	96	94	96	94	92	94	92	90	88				88
3	104	98	93	90	102	96	92	89	94	90	87	91	89	86	89	87	85	83				83
4	99	92	87	83	97	91	86	83	89	85	82	87	84	81	85	82	80	79				79
5	95	87	82	78	93	86	81	78	85	80	77	83	79	76	81	78	76	74				74
6	91	83	77	73	89	82	77	73	80	76	73	79	75	72	78	74	72	70				70
7	87	79	73	69	86	78	73	69	77	72	69	76	71	68	74	71	68	67				67
8	83	75	69	66	82	74	69	65	73	69	65	72	68	65	71	67	65	63				63
9	80	71	66	62	79	71	66	62	70	65	62	69	65	62	68	64	62	60				60
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	65	62	59	58				58

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	456228
5°	446827
10°	411213
15°	343656
20°	264149
25°	180518
30°	113941
35°	58424
40°	27308
45°	12699
50°	7292
55°	5935
60°	5131
65°	5020
70°	5049
75°	4956
80°	4830
85°	5095

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12699 cd/sqm



TEST NUMBER: P886146

CATALOG NUMBER: ML204LSFL95FS1E-TIR1D40FL-TL2RDMWB-468LM-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.5	16.1
10°-20°	184.9	35.7
20°-30°	153.0	29.6
30°-40°	65.3	12.6
40°-50°	16.1	3.1
50°-60°	6.3	1.2
60°-70°	4.5	0.9
70°-80°	3.0	0.6
80°-90°	0.9	0.2
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°	421.4	81.4
0°-40°	486.7	94.1
0°-60°	509.0	98.4
0°-90°	517.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	517.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	925	
5°	902	83
15°	673	185
25°	332	153
35°	97	65
45°	18	16
55°	7	6
65°	4	4
75°	3	3
85°	1	1
90°	0	



TEST NUMBER: P886146

CATALOG NUMBER: ML204LSFL95FS1E-TIR1D40FL-TL2RDMWB-468LM-3000K

CANDELA DISTRIBUTION (FULL):

0°	
0°	924.7
2.5°	922.1
5°	902.2
7.5°	867.6
10°	820.8
12.5°	751.6
15°	672.8
17.5°	587.9
20°	503.1
22.5°	418.2
25°	331.6
27.5°	257.2
30°	200.0
32.5°	147.2
35°	97.0
37.5°	63.2
40°	42.4
42.5°	29.4
45°	18.2
47.5°	11.3
50°	9.5
52.5°	7.8
55°	6.9
57.5°	6.1
60°	5.2
62.5°	5.2
65°	4.3
67.5°	4.3
70°	3.5
72.5°	3.5
75°	2.6
77.5°	2.6
80°	1.7
82.5°	1.7
85°	0.9
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)