

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: P886067

Luminaire Tested: ML204LSFL95FS1E-TIR1D25NFL-TL2RDDB-340LM-3500K

Issue Date: 7/18/2024

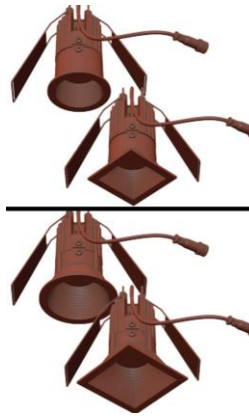
Test Information

Test Method: LM-79-2019
Report Number: P886067
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-73)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/18/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFL95FS1E-TIR1D25NFL-TL2RDMB-340LM-3500K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 25D TIR, MATTE BLACK TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 3500K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 275.9 lumens
Efficiency: N/A
Efficacy: 44.5 lumens/watt
Spacing Criteria (0/90/45): 0.45 / 0.45 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

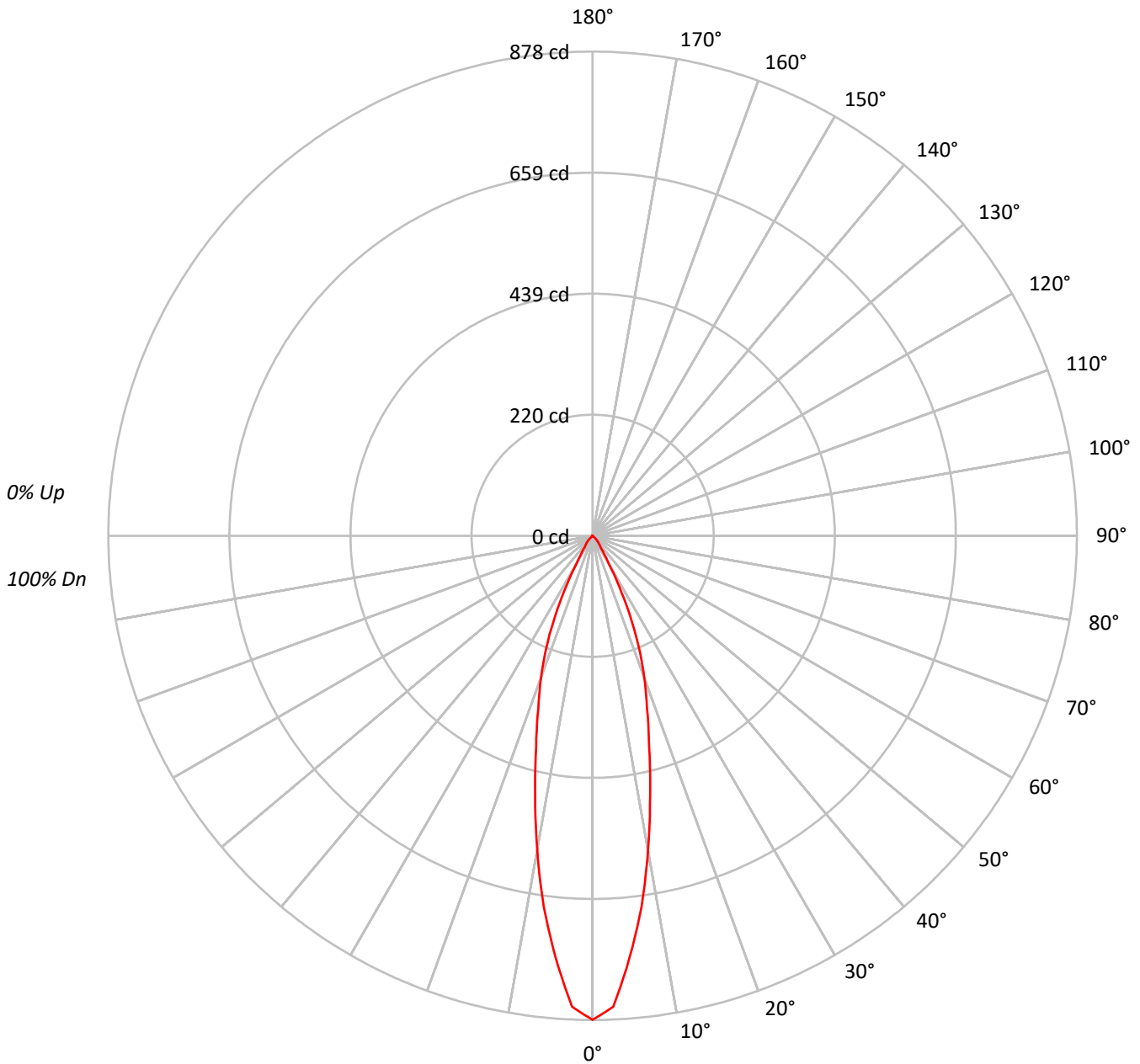
Input Watts (W): 6.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P886067

CATALOG NUMBER: ML204LSFL95FS1E-TIR1D25NFL-TL2RDDB-340LM-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P886067

CATALOG NUMBER: ML204LSFL95FS1E-TIR1D25NFL-TL2RDDB-340LM-3500K

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	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	115	112	110	108	112	110	108	107	106	105	103	102	101	100	99	98	97	96																											
2	110	106	103	100	108	105	102	99	101	99	97	99	97	95	96	94	93	91																											
3	106	101	97	94	104	100	96	93	97	94	92	95	92	90	93	91	89	87																											
4	102	96	92	88	101	95	91	88	93	90	87	91	88	86	89	87	85	84																											
5	98	92	87	84	97	91	87	83	89	86	83	88	85	82	86	84	81	80																											
6	95	88	83	80	94	87	83	79	86	82	79	84	81	78	83	80	78	77																											
7	92	84	80	76	90	84	79	76	83	79	76	81	78	75	80	77	75	74																											
8	88	81	76	73	87	80	76	73	79	75	73	79	75	72	78	74	72	71																											
9	86	78	73	70	85	77	73	70	77	73	70	76	72	70	75	72	69	68																											
10	83	75	70	67	82	75	70	67	74	70	67	73	70	67	73	69	67	66																											

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	433089
5°	380412
10°	289723
15°	201964
20°	143494
25°	87918
30°	34980
35°	15780
40°	10241
45°	5303
50°	537
55°	602
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5303 cd/sqm



TEST NUMBER: P886067

CATALOG NUMBER: ML204LSFL95FS1E-TIR1D25NFL-TL2RDDB-340LM-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.5	24.5
10°-20°	111.1	40.3
20°-30°	72.6	26.3
30°-40°	18.8	6.8
40°-50°	5.6	2.0
50°-60°	0.4	0.1
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°	251.2	91.0
0°-40°	270.0	97.8
0°-60°	275.9	100.0
0°-90°	275.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	275.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	878	
5°	768	68
15°	395	111
25°	162	73
35°	26	19
45°	8	6
55°	1	0
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P886067

CATALOG NUMBER: ML204LSFL95FS1E-TIR1D25NFL-TL2RDMB-340LM-3500K

CANDELA DISTRIBUTION (FULL):

	0°
0°	877.8
2.5°	855.0
5°	768.1
7.5°	678.4
10°	578.3
12.5°	481.0
15°	395.4
17.5°	327.8
20°	273.3
22.5°	218.8
25°	161.5
27.5°	104.9
30°	61.4
32.5°	37.3
35°	26.2
37.5°	20.7
40°	15.9
42.5°	12.4
45°	7.6
47.5°	1.4
50°	0.7
52.5°	0.7
55°	0.7
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

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)