

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: P886197

Luminaire Tested: ML204LSFL95FS1E-TIR1D55WFL-TL2RDMBB-468LM-3500K

Issue Date: 6/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P886197
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-88)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/20/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFL95FS1E-TIR1D55WFL-TL2RDMMBB-468LM-3500K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 55D TIR, MATTE BLACK BAFFLED TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 3500K CCT
Ballast/Driver: -

Summary

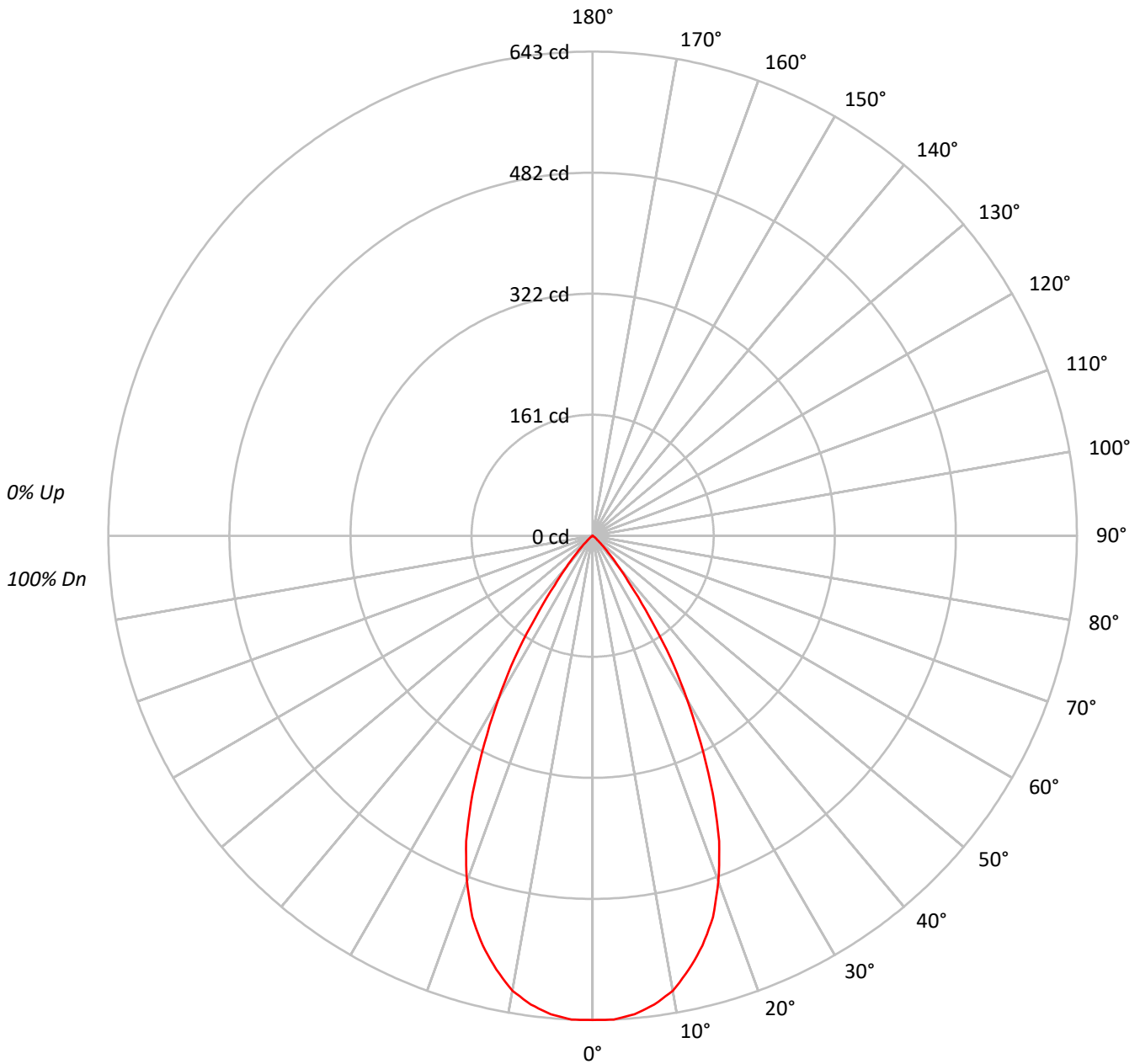
Lumens per Lamp: N/A
Luminaire Lumens: 490.1 lumens
Efficiency: N/A
Efficacy: 61.3 lumens/watt
Spacing Criteria (0/90/45): 0.87 / 0.87 / 0.82
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P886197
CATALOG NUMBER: ML204LSFL95FS1E-TIR1D55WFL-TL2RDMMB-468LM-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P886197
 CATALOG NUMBER: ML204LSFL95FS1E-TIR1D55WFL-TL2RDMBB-468LM-3500K

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

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	317292
5°	315830
10°	307358
15°	287776
20°	256274
25°	205287
30°	142369
35°	78782
40°	34586
45°	13118
50°	4145
55°	774
60°	0
65°	0
70°	0
75°	0
80°	0
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13118 cd/sqm



TEST NUMBER: P886197

CATALOG NUMBER: ML204LSFL95FS1E-TIR1D55WFL-TL2RDMBB-468LM-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	12.3
10°-20°	156.7	32.0
20°-30°	169.8	34.6
30°-40°	85.0	17.4
40°-50°	17.2	3.5
50°-60°	1.4	0.3
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°	386.5	78.9
0°-40°	471.6	96.2
0°-60°	490.1	100.0
0°-90°	490.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	490.1	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	643	
5°	638	60
15°	563	157
25°	377	170
35°	131	85
45°	19	17
55°	1	1
65°	0	0
75°	0	0
85°	0	0
90°	0	



TEST NUMBER: P886197

CATALOG NUMBER: ML204LSFL95FS1E-TIR1D55WFL-TL2RDMBB-468LM-3500K

CANDELA DISTRIBUTION (FULL):

	0°
0°	643.1
2.5°	643.1
5°	637.7
7.5°	627.9
10°	613.5
12.5°	590.2
15°	563.4
17.5°	531.1
20°	488.1
22.5°	438.9
25°	377.1
27.5°	310.8
30°	249.9
32.5°	192.6
35°	130.8
37.5°	82.4
40°	53.7
42.5°	33.1
45°	18.8
47.5°	9.9
50°	5.4
52.5°	2.7
55°	0.9
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)