

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: P886097

Luminaire Tested: ML204LSFL95FS1E-TIR1D25NFL-TL2RDSLb-468LM-3500K

Issue Date: 7/18/2024

Test Information

Test Method: LM-79-2019
Report Number: P886097
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-75)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/18/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFL95FS1E-TIR1D25NFL-TL2RDSL B-468LM-3500K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 25D TIR, METALLIC SILVER BAFFLED TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 3500K CCT
Ballast/Driver: -

Summary

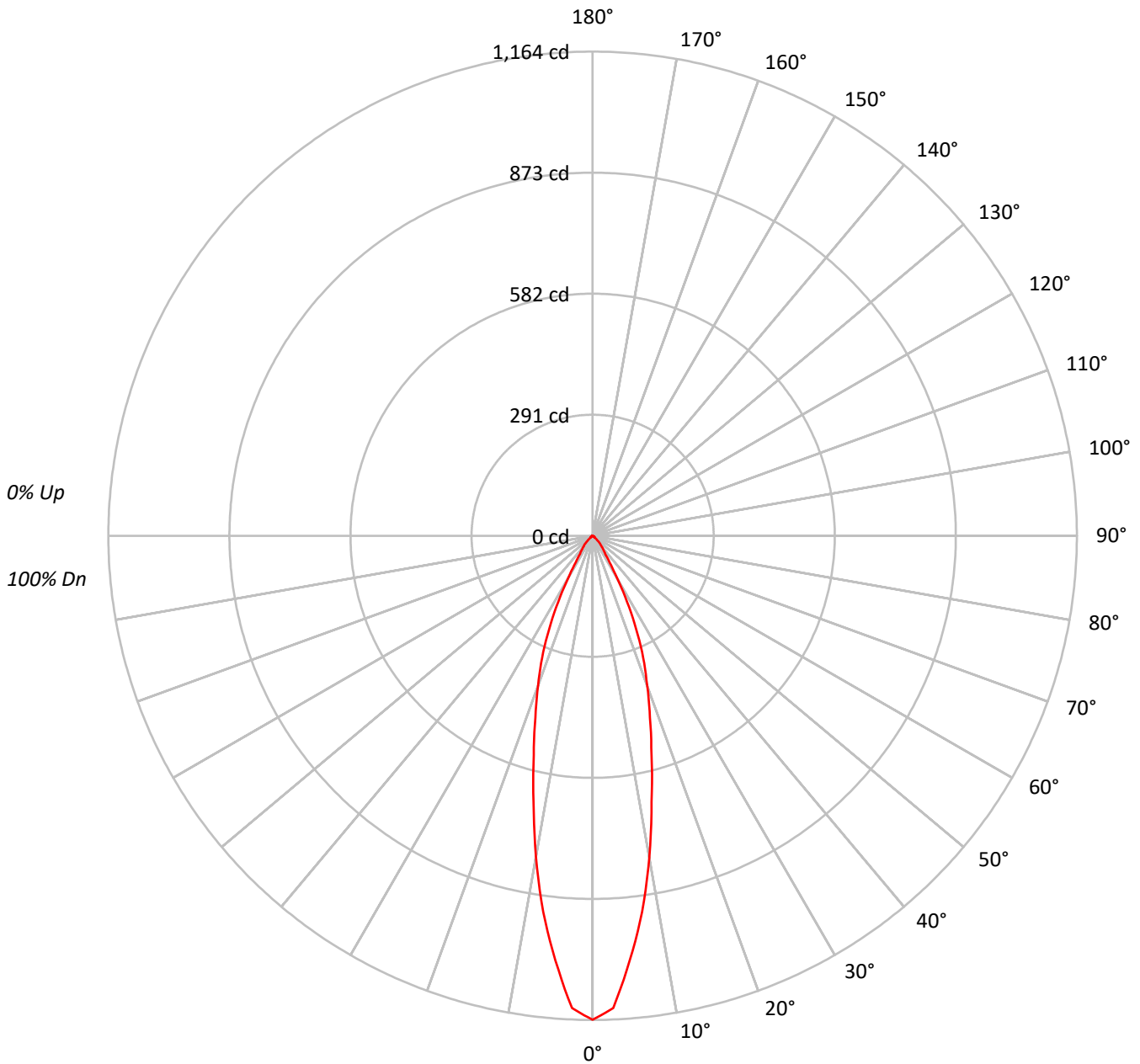
Lumens per Lamp: N/A
Luminaire Lumens: 415.7 lumens
Efficiency: N/A
Efficacy: 52.0 lumens/watt
Spacing Criteria (0/90/45): 0.46 / 0.46 / 0.54
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 8
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: P886097
CATALOG NUMBER: ML204LSFL95FS1E-TIR1D25NFL-TL2RDSL B-468LM-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P886097
 CATALOG NUMBER: ML204LSFL95FS1E-TIR1D25NFL-TL2RDSL B-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			
1	114	112	109	107	112	110	108	106	106	104	103	102	101	100	98	98	97	95			
2	109	105	102	99	107	103	100	98	100	98	95	97	95	93	95	93	91	90			
3	105	99	95	92	103	98	94	91	95	92	89	93	90	88	91	89	87	85			
4	101	94	89	86	99	93	89	85	91	87	84	89	86	83	87	85	82	81			
5	97	89	84	81	95	89	84	80	87	83	80	85	82	79	84	81	78	77			
6	93	85	80	76	91	84	80	76	83	79	76	82	78	75	81	77	75	74			
7	89	81	76	73	88	81	76	73	80	75	72	78	75	72	77	74	71	70			
8	86	78	73	69	85	77	73	69	76	72	69	75	71	69	75	71	68	67			
9	83	75	70	66	82	74	69	66	73	69	66	73	69	66	72	68	66	64			
10	80	72	67	64	79	71	67	63	71	66	63	70	66	63	69	66	63	62			

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	574096
5°	507547
10°	392827
15°	278888
20°	201144
25°	134953
30°	65801
35°	31802
40°	21898
45°	14374
50°	5526
55°	3871
60°	3552
65°	2101
70°	2597
75°	1716
80°	2557
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14374 cd/sqm



TEST NUMBER: P886097

CATALOG NUMBER: ML204LSFL95FS1E-TIR1D25NFL-TL2RDSL B-468LM-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.5	21.8
10°-20°	153.2	36.9
20°-30°	111.3	26.8
30°-40°	37.5	9.0
40°-50°	15.3	3.7
50°-60°	4.4	1.1
60°-70°	2.2	0.5
70°-80°	1.1	0.3
80°-90°	0.1	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°	355.1	85.4
0°-40°	392.6	94.4
0°-60°	412.3	99.2
0°-90°	415.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	415.7	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1164	
5°	1025	91
15°	546	153
25°	248	111
35°	53	38
45°	21	15
55°	4	4
65°	2	2
75°	1	1
85°	0	0
90°	0	



TEST NUMBER: P886097

CATALOG NUMBER: ML204LSFL95FS1E-TIR1D25NFL-TL2RDSLb-468LM-3500K

CANDELA DISTRIBUTION (FULL):

	0°
0°	1163.6
2.5°	1136.7
5°	1024.8
7.5°	912.1
10°	784.1
12.5°	655.2
15°	546.0
17.5°	458.3
20°	383.1
22.5°	317.7
25°	247.9
27.5°	179.0
30°	115.5
32.5°	75.2
35°	52.8
37.5°	42.1
40°	34.0
42.5°	27.7
45°	20.6
47.5°	11.6
50°	7.2
52.5°	6.3
55°	4.5
57.5°	3.6
60°	3.6
62.5°	2.7
65°	1.8
67.5°	1.8
70°	1.8
72.5°	0.9
75°	0.9
77.5°	0.9
80°	0.9
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)