

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: P886093

Luminaire Tested: ML204LSFL95FS1E-TIR1D25NFL-TL2RDSL-468LM-4000K

Issue Date: 7/18/2024

Test Information

Test Method: LM-79-2019
Report Number: P886093
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-72)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/18/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFL95FS1E-TIR1D25NFL-TL2RDSL-468LM-4000K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 25D TIR, METALLIC SILVER TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 4000K CCT
Ballast/Driver: -

Summary

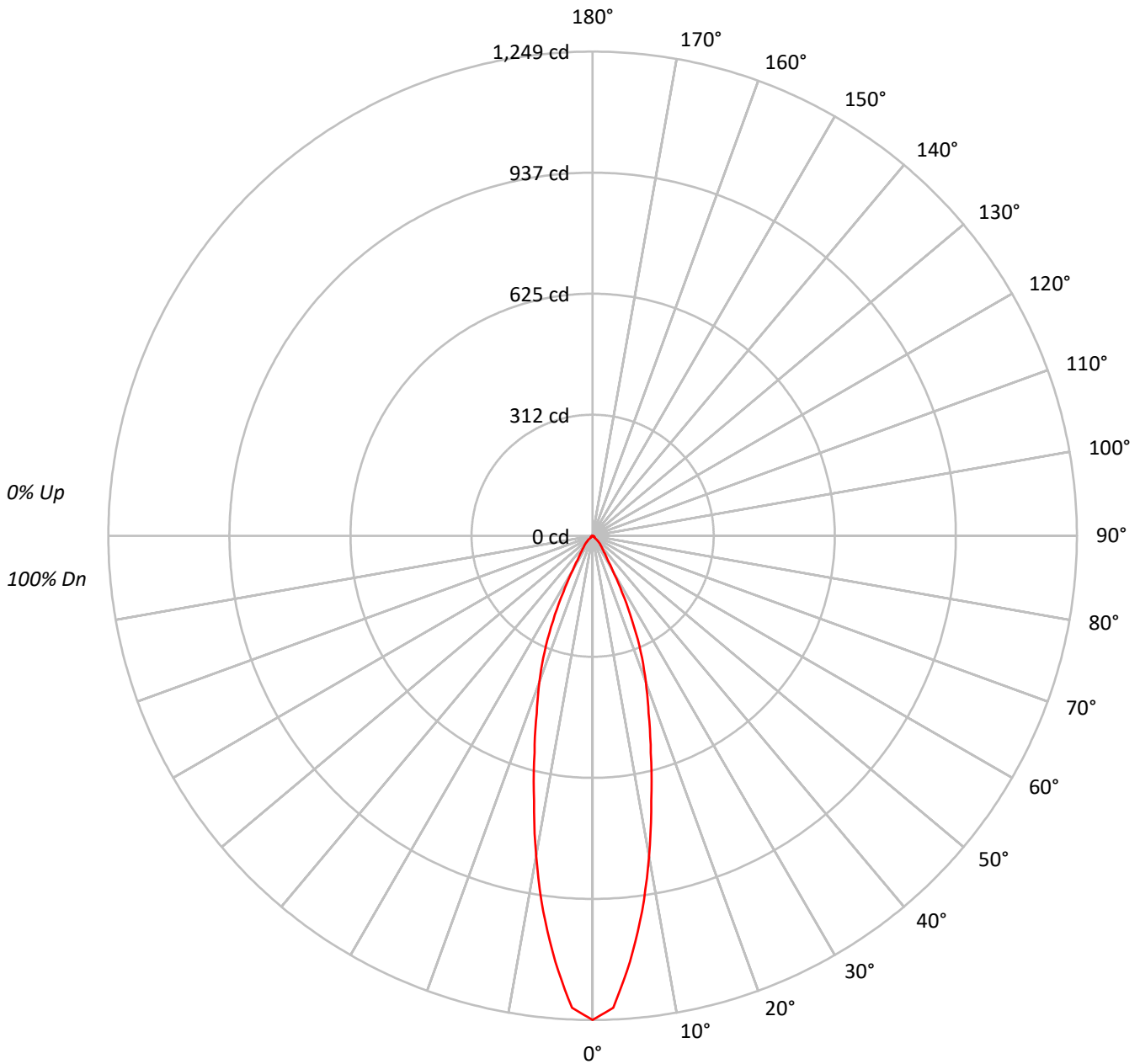
Lumens per Lamp: N/A
Luminaire Lumens: 424.4 lumens
Efficiency: N/A
Efficacy: 53.1 lumens/watt
Spacing Criteria (0/90/45): 0.46 / 0.46 / 0.53
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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



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Luminous Intensity Polar Plot





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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	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95	95
2	110	105	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90	90	90	90
3	105	100	96	92	103	98	95	91	96	93	90	94	91	89	91	89	87	86	86	86	86
4	101	95	90	86	99	94	89	86	92	88	85	90	87	84	88	85	83	82	82	82	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78	78	78	78
6	93	86	81	77	92	85	81	77	84	80	77	83	79	76	81	78	76	74	74	74	74
7	90	82	77	74	89	82	77	74	80	76	73	79	76	73	78	75	72	71	71	71	71
8	87	79	74	70	86	78	74	70	77	73	70	76	73	70	75	72	70	68	68	68	68
9	84	76	71	67	83	75	71	67	74	70	67	74	70	67	73	69	67	66	66	66	66
10	81	73	68	65	80	72	68	65	72	67	65	71	67	64	70	67	64	63	63	63	63

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	616231
5°	546227
10°	420431
15°	295846
20°	210332
25°	131469
30°	57996
35°	30657
40°	20868
45°	12908
50°	4989
55°	3957
60°	2763
65°	2218
70°	1298
75°	1716
80°	2557
85°	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12908 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.1	22.9
10°-20°	162.2	38.2
20°-30°	109.4	25.8
30°-40°	34.8	8.2
40°-50°	13.7	3.2
50°-60°	4.1	1.0
60°-70°	2.1	0.5
70°-80°	1.0	0.2
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°	368.7	86.9
0°-40°	403.5	95.1
0°-60°	421.3	99.3
0°-90°	424.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	424.4	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1249	
5°	1103	97
15°	579	162
25°	242	109
35°	51	35
45°	18	14
55°	5	4
65°	2	2
75°	1	1
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1249.0
2.5°	1218.5
5°	1102.9
7.5°	977.0
10°	839.2
12.5°	699.5
15°	579.2
17.5°	480.2
20°	400.6
22.5°	324.8
25°	241.5
27.5°	163.8
30°	101.8
32.5°	67.5
35°	50.9
37.5°	40.7
40°	32.4
42.5°	25.9
45°	18.5
47.5°	8.3
50°	6.5
52.5°	5.6
55°	4.6
57.5°	3.7
60°	2.8
62.5°	2.8
65°	1.9
67.5°	1.9
70°	0.9
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

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— 0°-180°

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