

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: P886144

Luminaire Tested: ML204LSFL95FS1E-TIR1D40FL-TL2RDMW-468LM-5000K

Issue Date: 6/20/2024

Test Information

Test Method: LM-79-2019
Report Number: P886144
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-77)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 6/20/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFL95FS1E-TIR1D40FL-TL2RDMW-468LM-5000K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 40D TIR, MATTE WHITE TRIM
Light Source: (1) HCL SELECTABLE LUMEN LED 95CRI / 5000K CCT
Ballast/Driver: -

Summary

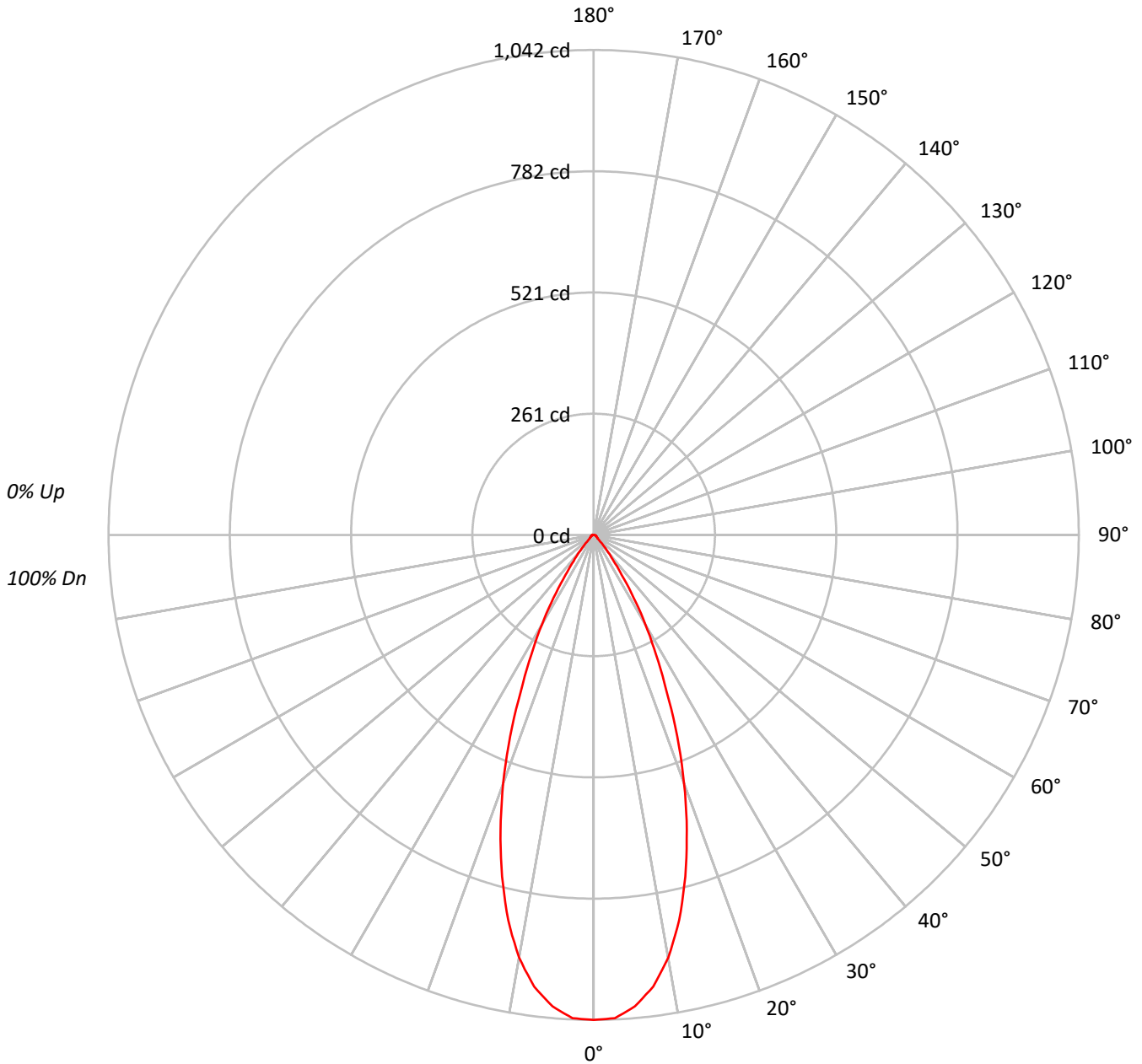
Lumens per Lamp: N/A
Luminaire Lumens: 582.9 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Spacing Criteria (0/90/45): 0.68 / 0.68 / 0.67
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	111	109	107	111	109	107	105	105	103	102		101	100	99		98	97	96	94
2	109	104	100	97	106	102	99	96	99	96	94		96	94	92		93	91	90	88
3	104	98	93	89	102	96	92	89	94	90	87		91	88	86		89	87	85	83
4	99	92	87	83	97	91	86	83	89	85	82		87	83	81		85	82	80	78
5	95	87	82	78	93	86	81	77	84	80	77		83	79	76		81	78	75	74
6	91	83	77	73	89	82	77	73	80	76	72		79	75	72		78	74	71	70
7	87	78	73	69	86	78	73	69	77	72	69		75	71	68		74	71	68	67
8	83	75	69	65	82	74	69	65	73	68	65		72	68	65		71	67	65	63
9	80	71	66	62	79	71	66	62	70	65	62		69	65	62		68	64	61	60
10	77	68	63	59	76	68	63	59	67	62	59		66	62	59		65	62	59	58

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	514151
5°	503585
10°	462064
15°	388043
20°	298120
25°	201477
30°	126532
35°	63363
40°	31366
45°	13606
50°	8213
55°	6709
60°	6710
65°	6771
70°	7068
75°	7434
80°	8240
85°	5661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13606 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.1	16.1
10°-20°	208.7	35.8
20°-30°	171.5	29.4
30°-40°	71.7	12.3
40°-50°	17.8	3.1
50°-60°	7.6	1.3
60°-70°	6.0	1.0
70°-80°	4.1	0.7
80°-90°	1.5	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°	474.2	81.4
0°-40°	546.0	93.7
0°-60°	571.4	98.0
0°-90°	582.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	582.9	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	1042	
5°	1017	94
15°	760	209
25°	370	171
35°	105	72
45°	20	18
55°	8	8
65°	6	6
75°	4	4
85°	1	1
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	1042.1
2.5°	1039.2
5°	1016.8
7.5°	978.8
10°	922.3
12.5°	848.3
15°	759.7
17.5°	665.2
20°	567.8
22.5°	468.5
25°	370.1
27.5°	289.3
30°	222.1
32.5°	159.7
35°	105.2
37.5°	70.1
40°	48.7
42.5°	32.1
45°	19.5
47.5°	12.7
50°	10.7
52.5°	9.7
55°	7.8
57.5°	7.8
60°	6.8
62.5°	6.8
65°	5.8
67.5°	5.8
70°	4.9
72.5°	4.9
75°	3.9
77.5°	2.9
80°	2.9
82.5°	1.9
85°	1.0
87.5°	1.0
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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