

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: P886444

Luminaire Tested: ML204LSFLD2W1E-TIR1D25NFL-TL2RDMW-400LM-2700K

Issue Date: 7/18/2024

Test Information

Test Method: LM-79-2019
Report Number: P886444
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2402-314-71)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 7/18/2024
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: HALO
Catalog Number: ML204LSFLD2W1E-TIR1D25NFL-TL2RDMW-400LM-2700K
Description: 2IN ROUND ML FLEX, SELECTABLE CCT, WITH 25D TIR, MATTE WHITE TRIM
Light Source: (1) D2W LED 90CRI / 2700K CCT
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 345.6 lumens
Efficiency: N/A
Efficacy: 55.7 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

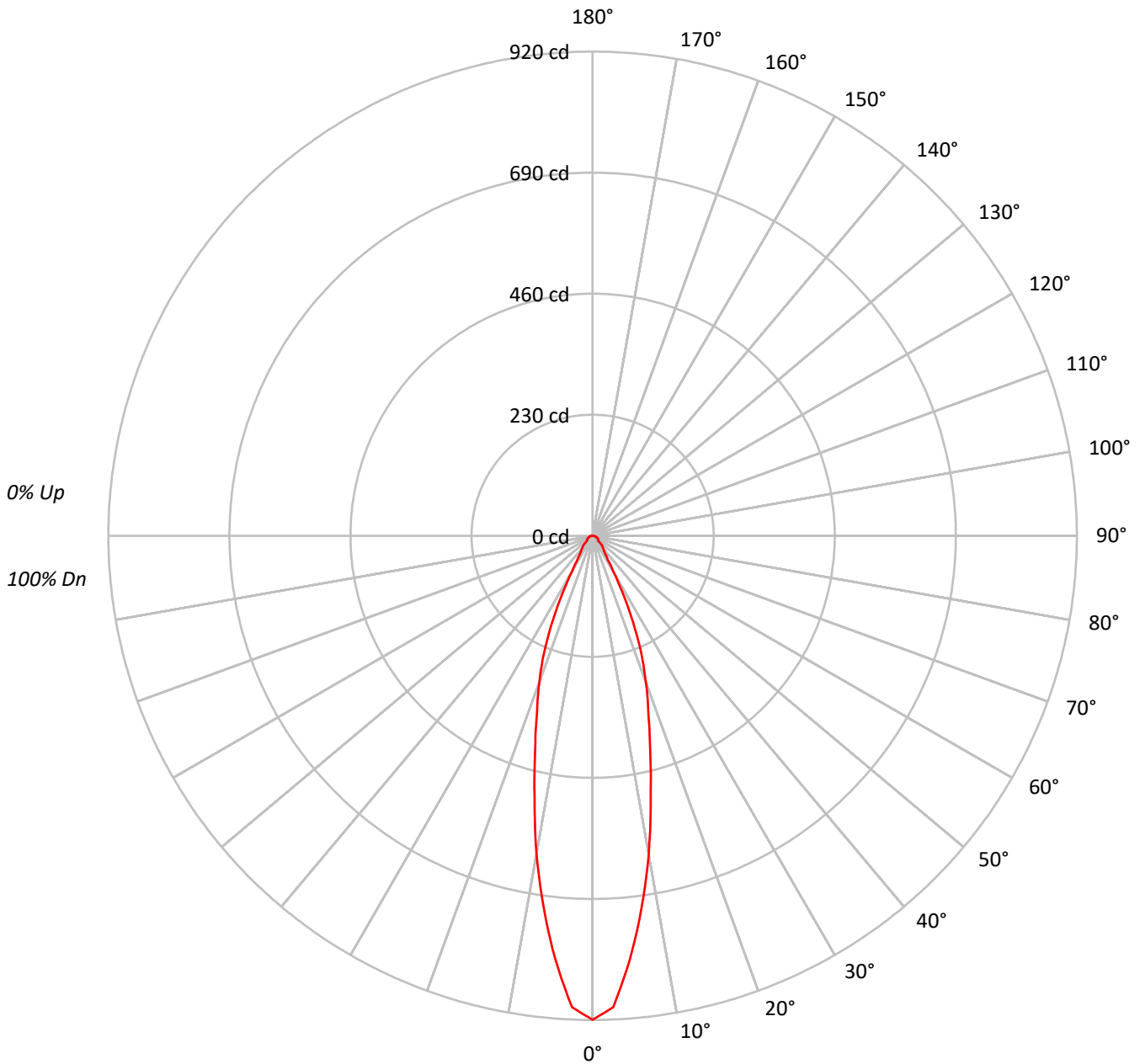
Input Watts (W): 6.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	113	110	108	106	111	108	106	104	104	102	101	100	99	98	97	96	95	93				93
2	108	103	99	95	106	101	97	94	98	95	92	95	92	90	92	90	88	87				87
3	103	96	92	88	101	95	91	87	92	89	86	90	87	84	88	85	83	81				81
4	98	91	85	81	96	90	85	81	88	83	80	86	82	79	84	81	78	77				77
5	94	86	80	76	92	85	80	76	83	79	75	82	78	75	80	77	74	73				73
6	90	82	76	72	88	81	76	72	79	75	71	78	74	71	77	73	70	69				69
7	86	78	72	68	85	77	72	68	76	71	68	75	70	67	74	70	67	66				66
8	83	74	69	65	82	74	68	65	73	68	64	72	67	64	71	67	64	63				63
9	80	71	66	62	79	71	65	62	70	65	62	69	65	61	68	64	61	60				60
10	77	68	63	59	76	68	63	59	67	62	59	66	62	59	65	62	59	58				58

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	453761
5°	400817
10°	307408
15°	215347
20°	155413
25°	99023
30°	45235
35°	24755
40°	19966
45°	15629
50°	10516
55°	11182
60°	11446
65°	10974
70°	10386
75°	11056
80°	10229
85°	7925

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 15629 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.1	20.6
10°-20°	118.5	34.3
20°-30°	82.3	23.8
30°-40°	28.5	8.3
40°-50°	16.7	4.8
50°-60°	11.6	3.3
60°-70°	9.3	2.7
70°-80°	5.8	1.7
80°-90°	1.8	0.5
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°	271.9	78.7
0°-40°	300.4	86.9
0°-60°	328.7	95.1
0°-90°	345.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	345.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	920	
5°	809	71
15°	422	119
25°	182	82
35°	41	29
45°	22	17
55°	13	12
65°	9	9
75°	6	6
85°	1	2
90°	0	



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CANDELA DISTRIBUTION (FULL):

	0°
0°	919.7
2.5°	896.6
5°	809.3
7.5°	712.5
10°	613.6
12.5°	508.9
15°	421.6
17.5°	351.6
20°	296.0
22.5°	241.8
25°	181.9
27.5°	125.6
30°	79.4
32.5°	53.4
35°	41.1
37.5°	35.4
40°	31.0
42.5°	27.4
45°	22.4
47.5°	15.2
50°	13.7
52.5°	13.7
55°	13.0
57.5°	12.3
60°	11.6
62.5°	10.1
65°	9.4
67.5°	8.7
70°	7.2
72.5°	6.5
75°	5.8
77.5°	4.3
80°	3.6
82.5°	2.9
85°	1.4
87.5°	0.7
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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