

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: PORTFOLIO

Report Number: P1178715

Luminaire Tested: LDA2B108035R2050D010 2LBD1WMH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178715
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B108035R2050D010 2LBD1WMH
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

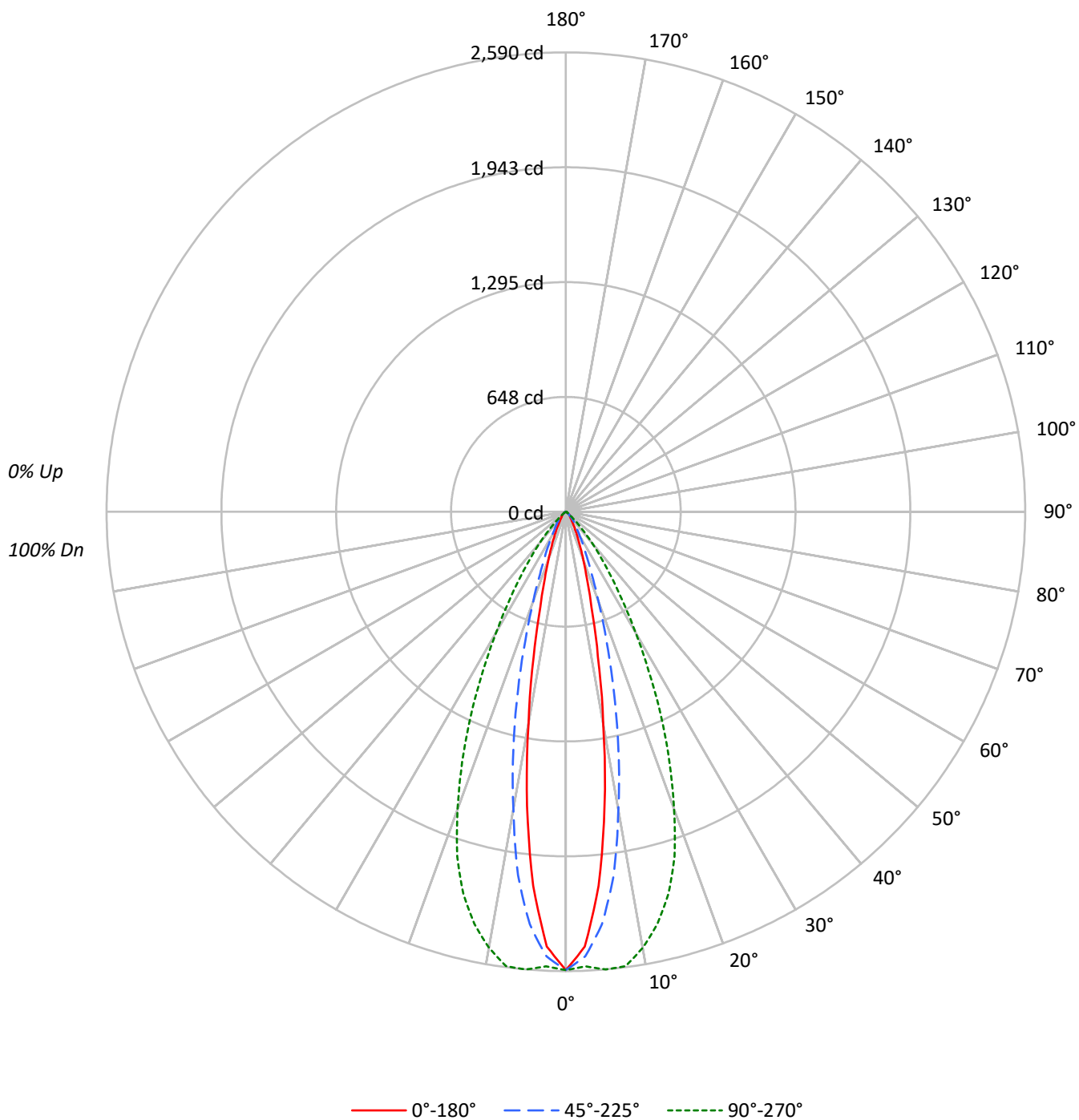
Lumens per Lamp: N/A
Luminaire Lumens: 928.8 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
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	112	109	107	112	109	107	106	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		90	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84		89	85	83		87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83	80	78	76
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80	77	74	73
7	89	81	76	72	88	80	75	72	79	75	71		78	74	71		77	73	71	70
8	85	77	72	69	84	77	72	69	76	71	68		75	71	68		74	70	68	67
9	82	74	69	66	81	74	69	66	73	68	65		72	68	65		71	68	65	64
10	79	71	66	63	79	71	66	63	70	66	63		69	65	62		69	65	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1274798	1274798	1274798
5°	1048090	1156400	1282886
10°	608381	854509	1250728
15°	283424	532218	1139825
20°	149370	280626	936854
25°	82689	151932	690962
30°	48480	88985	446861
35°	31138	59686	264764
40°	24280	40252	147098
45°	21071	24071	65376
50°	19035	16579	23947
55°	12988	12042	11096
60°	9571	8486	8486
65°	7588	6304	7588
70°	6203	6203	6203
75°	6100	6100	6100
80°	6251	6251	6251
85°	6227	6227	6227

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 65376 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.7	22.1
10°-20°	336.9	36.3
20°-30°	224.7	24.2
30°-40°	101.3	10.9
40°-50°	37.1	4.0
50°-60°	13.0	1.4
60°-70°	6.1	0.7
70°-80°	3.2	0.3
80°-90°	0.9	0.1
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°	767.3	82.6
0°-40°	868.6	93.5
0°-60°	918.7	98.9
0°-90°	928.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	928.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2584	2584	2584	2584	2584	
5°	2116	2182	2335	2505	2590	173
15°	555	652	1042	1761	2232	166
25°	152	177	279	761	1269	73
35°	52	58	99	214	440	34
45°	30	30	34	54	94	24
55°	15	14	14	12	13	14
65°	6	6	5	5	6	7
75°	3	3	3	3	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2583.9	2583.9	2583.9	2583.9	2583.9
2.5°	2453.5	2479.4	2509.6	2540.8	2565.6
5°	2116.3	2182.0	2335.0	2505.2	2590.4
7.5°	1673.4	1770.4	2067.8	2404.0	2583.9
10°	1214.4	1338.3	1705.7	2228.3	2496.6
12.5°	835.1	951.5	1368.5	2006.3	2381.3
15°	554.9	651.9	1042.0	1760.7	2231.6
17.5°	391.1	456.9	757.5	1492.4	2038.7
20°	284.5	328.6	534.5	1229.5	1784.4
22.5°	206.9	240.3	380.4	982.7	1526.9
25°	151.9	176.7	279.1	760.7	1269.3
27.5°	113.1	132.5	209.0	577.6	1011.8
30°	85.1	101.3	156.2	425.6	784.4
32.5°	65.7	76.5	119.6	303.9	593.7
35°	51.7	58.2	99.1	214.4	439.6
37.5°	43.1	47.4	81.9	149.8	322.2
40°	37.7	40.9	62.5	106.7	228.4
42.5°	33.4	35.6	45.3	76.5	148.7
45°	30.2	30.2	34.5	53.9	93.7
47.5°	28.0	24.8	26.9	37.7	55.0
50°	24.8	20.5	21.6	25.9	31.2
52.5°	19.4	17.2	17.2	17.2	18.3
55°	15.1	14.0	14.0	11.9	12.9
57.5°	11.9	11.9	10.8	9.7	10.8
60°	9.7	9.7	8.6	7.5	8.6
62.5°	7.5	7.5	6.5	6.5	7.5
65°	6.5	6.5	5.4	5.4	6.5
67.5°	5.4	5.4	5.4	4.3	5.4
70°	4.3	4.3	4.3	4.3	4.3
72.5°	3.2	3.2	4.3	3.2	3.2
75°	3.2	3.2	3.2	3.2	3.2
77.5°	2.2	2.2	2.2	2.2	2.2
80°	2.2	2.2	2.2	2.2	2.2
82.5°	1.1	1.1	1.1	1.1	1.1
85°	1.1	1.1	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)