

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: P1178665

Luminaire Tested: LDA2B108030R2040D010 2LBD1WMH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178665
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B108030R2040D010 2LBD1WMH
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

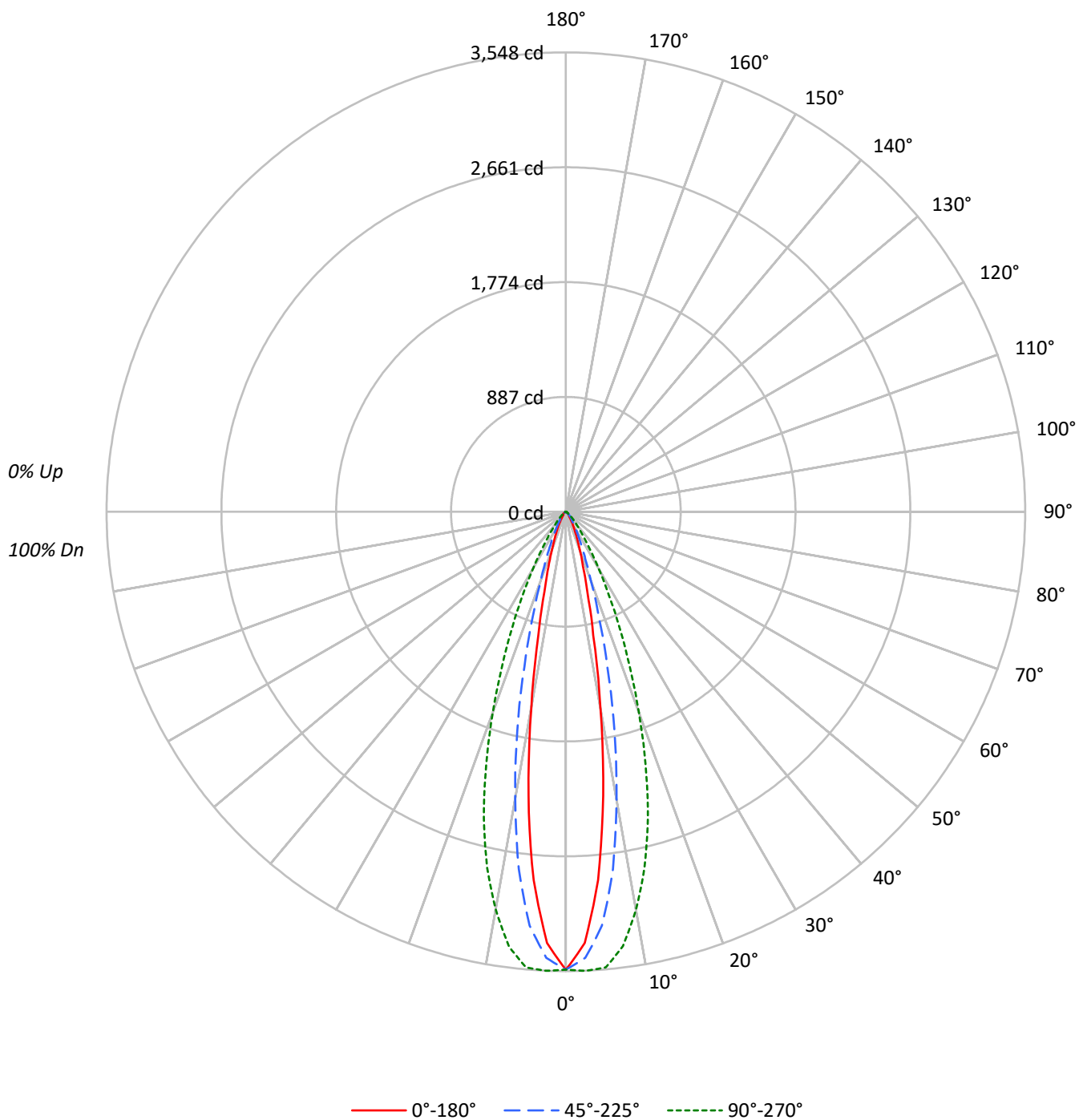
Lumens per Lamp: N/A
Luminaire Lumens: 996.8 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	92	89	92	90	88	88	88	87
4	102	95	91	87	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	83
5	98	91	86	83	97	90	86	83	89	85	82	87	84	81	86	83	81	81	81	79
6	94	87	83	79	93	87	82	79	85	81	78	84	80	78	83	80	77	77	77	76
7	91	84	79	76	90	83	79	75	82	78	75	81	77	75	80	77	74	74	74	73
8	88	81	76	73	87	80	76	72	79	75	72	78	75	72	77	74	72	72	72	70
9	85	78	73	70	84	77	73	70	76	72	70	76	72	69	75	72	69	69	69	68
10	83	75	70	67	82	75	70	67	74	70	67	73	70	67	73	69	67	67	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1744873	1744873	1744873
5°	1414325	1588503	1749408
10°	768943	1127840	1562183
15°	325256	632890	1250406
20°	166013	297636	864611
25°	91943	152259	526999
30°	51500	84541	287406
35°	29813	51194	146415
40°	22155	38771	81020
45°	19536	26234	48003
50°	20647	17346	25559
55°	14795	12042	13848
60°	9571	8486	8486
65°	7588	7588	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: 48003 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	275.6	27.6
10°-20°	389.7	39.1
20°-30°	200.7	20.1
30°-40°	73.9	7.4
40°-50°	32.5	3.3
50°-60°	14.2	1.4
60°-70°	6.2	0.6
70°-80°	3.1	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°	866.0	86.9
0°-40°	939.9	94.3
0°-60°	986.6	99.0
0°-90°	996.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	996.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3537	3537	3537	3537	3537	
5°	2856	2953	3208	3434	3532	230
15°	637	740	1239	2067	2448	195
25°	169	189	280	642	968	81
35°	50	57	85	148	243	34
45°	28	32	38	45	69	23
55°	17	15	14	15	16	16
65°	6	6	6	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°	3536.7	3536.7	3536.7	3536.7	3536.7
2.5°	3334.5	3374.3	3448.5	3519.5	3548.5
5°	2855.8	2952.6	3207.5	3434.5	3532.4
7.5°	2211.5	2370.7	2783.7	3208.6	3382.9
10°	1534.9	1696.3	2251.3	2862.3	3118.3
12.5°	978.8	1135.9	1735.0	2478.3	2810.6
15°	636.8	740.0	1239.1	2067.4	2448.1
17.5°	442.1	515.2	843.3	1631.7	2046.9
20°	316.2	367.9	566.9	1244.5	1646.8
22.5°	229.1	264.6	393.7	908.9	1280.0
25°	168.9	189.3	279.7	642.2	968.1
27.5°	124.8	137.7	202.2	443.2	707.8
30°	90.4	101.1	148.4	304.4	504.5
32.5°	65.6	75.3	110.8	210.8	351.7
35°	49.5	57.0	85.0	148.4	243.1
37.5°	40.9	45.2	69.9	107.6	172.1
40°	34.4	38.7	60.2	79.6	125.8
42.5°	30.1	35.5	49.5	59.2	94.7
45°	28.0	32.3	37.6	45.2	68.8
47.5°	28.0	26.9	29.0	34.4	48.4
50°	26.9	22.6	22.6	26.9	33.3
52.5°	22.6	18.3	18.3	19.4	22.6
55°	17.2	15.1	14.0	15.1	16.1
57.5°	12.9	12.9	11.8	10.8	11.8
60°	9.7	9.7	8.6	8.6	8.6
62.5°	7.5	7.5	7.5	6.5	7.5
65°	6.5	6.5	6.5	5.4	6.5
67.5°	5.4	5.4	4.3	5.4	5.4
70°	4.3	4.3	4.3	4.3	4.3
72.5°	3.2	3.2	3.2	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)