

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: P1179727

Luminaire Tested: LDA2B208035R2060D010 2LBD1B

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179727
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2010-034-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B208035R2060D010 2LBD1B
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

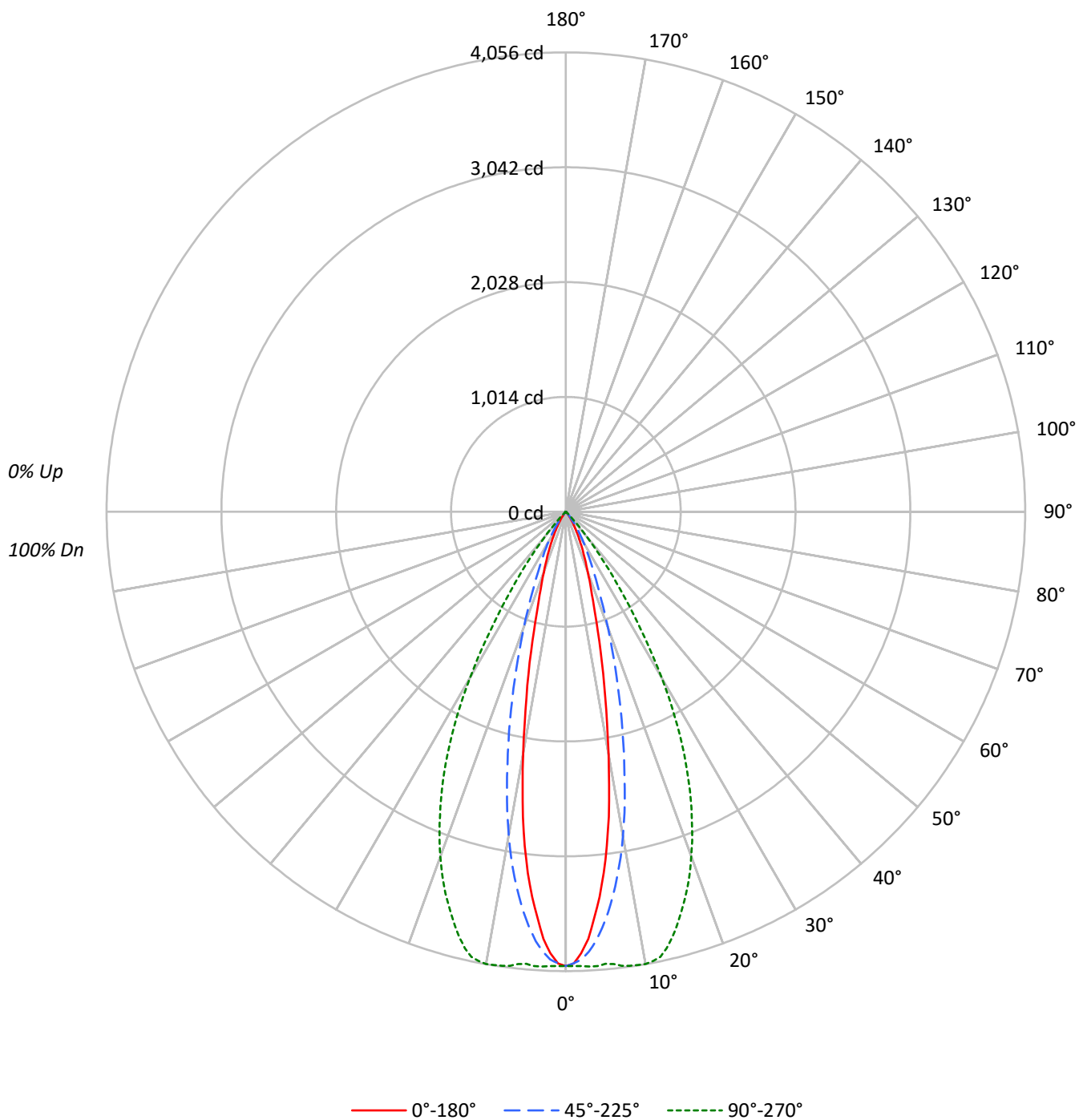
Lumens per Lamp: N/A
Luminaire Lumens: 1597.6 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 20.6
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
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	100	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90	90	90
3	105	100	96	92	103	99	95	92	96	93	90	94	91	89	91	89	87	86	86	86
4	101	95	90	87	99	94	89	86	92	88	85	90	87	84	88	85	83	82	82	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78	78	78
6	93	86	81	77	92	85	81	77	84	80	77	83	79	76	81	78	76	74	74	74
7	90	82	77	74	89	81	77	73	80	76	73	79	75	73	78	75	72	71	71	71
8	86	79	74	70	85	78	73	70	77	73	70	76	72	69	75	72	69	68	68	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	65	65	65
10	80	72	67	64	79	72	67	64	71	67	64	70	66	64	70	66	64	62	62	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1978923	1978923	1978923
5°	1689880	1826617	1984551
10°	1088012	1456177	2031845
15°	558114	971221	1933555
20°	298056	567552	1700660
25°	166194	311159	1383339
30°	88586	177229	963622
35°	38667	85464	502365
40°	11271	25053	190313
45°	2721	6768	28467
50°	1458	1458	2993
55°	1634	1634	1634
60°	0	1875	1875
65°	0	2218	2218
70°	0	2741	2741
75°	0	3622	3622
80°	0	5398	5398
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 28467 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	331.1	20.7
10°-20°	602.7	37.7
20°-30°	456.8	28.6
30°-40°	182.8	11.4
40°-50°	18.5	1.2
50°-60°	1.9	0.1
60°-70°	1.7	0.1
70°-80°	1.7	0.1
80°-90°	0.5	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°	1390.6	87.0
0°-40°	1573.3	98.5
0°-60°	1593.7	99.8
0°-90°	1597.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1597.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4011	4011	4011	4011	4011	
5°	3412	3488	3688	3902	4007	286
15°	1093	1268	1902	3130	3786	313
25°	305	356	572	1633	2541	145
35°	64	80	142	432	834	44
45°	4	6	10	19	41	4
55°	2	2	2	2	2	1
65°	0	2	2	2	2	0
75°	0	2	2	2	2	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4011.1	4011.1	4011.1	4011.1	4011.1
1°	3989.7	3991.6	3987.8	3993.6	4013.0
2°	3900.3	3929.4	3954.7	3980.0	4013.0
3°	3775.8	3810.8	3890.5	3970.3	4020.8
4°	3593.1	3665.0	3801.1	3946.9	4020.8
5°	3412.2	3488.1	3688.3	3902.2	4007.2
6°	3206.2	3315.0	3558.1	3859.4	4015.0
7°	2972.8	3107.0	3414.2	3832.2	4038.3
8°	2720.1	2871.7	3256.7	3773.9	4048.0
9°	2440.1	2624.8	3089.5	3703.9	4051.9
10°	2171.8	2366.2	2906.7	3624.2	4055.8
11°	1903.5	2105.7	2708.4	3546.4	4040.3
12°	1676.0	1868.5	2500.4	3464.7	4016.9
13°	1466.0	1652.7	2294.3	3367.5	3956.6
14°	1271.6	1454.3	2096.0	3254.8	3876.9
15°	1092.7	1267.7	1901.5	3130.3	3785.6
16°	931.3	1094.6	1714.9	2992.3	3684.4
17°	814.7	944.9	1539.9	2846.5	3585.3
18°	723.3	820.5	1374.6	2702.6	3480.3
19°	641.6	719.4	1221.0	2552.9	3363.6
20°	567.7	637.7	1081.0	2397.3	3239.2
21°	505.5	565.8	950.8	2243.7	3112.8
22°	451.1	503.6	834.1	2092.1	2974.8
23°	400.5	447.2	734.9	1938.5	2836.7
24°	351.9	402.5	647.5	1782.9	2692.9
25°	305.3	355.8	571.6	1633.2	2541.2
26°	268.3	315.0	507.5	1487.4	2383.7
27°	231.4	280.0	451.1	1347.4	2224.3
28°	202.2	246.9	400.5	1213.2	2051.2
29°	175.0	217.8	353.9	1081.0	1874.3
30°	155.5	188.6	311.1	956.6	1691.5
32.5°	106.9	126.4	217.8	672.7	1234.6
35°	64.2	79.7	141.9	431.6	834.1
37.5°	35.0	42.8	81.7	258.6	525.0
40°	17.5	21.4	38.9	126.4	295.5
42.5°	7.8	9.7	17.5	48.6	126.4
45°	3.9	5.8	9.7	19.4	40.8
47.5°	1.9	3.9	3.9	7.8	11.7
50°	1.9	1.9	1.9	3.9	3.9
52.5°	1.9	1.9	1.9	3.9	3.9
55°	1.9	1.9	1.9	1.9	1.9
57.5°	0.0	1.9	1.9	1.9	1.9
60°	0.0	1.9	1.9	1.9	1.9
62.5°	0.0	1.9	1.9	1.9	1.9
65°	0.0	1.9	1.9	1.9	1.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.9	1.9	1.9	1.9
70°	0.0	1.9	1.9	1.9	1.9
72.5°	0.0	1.9	1.9	1.9	1.9
75°	0.0	1.9	1.9	1.9	1.9
77.5°	0.0	1.9	1.9	1.9	1.9
80°	0.0	0.0	1.9	1.9	1.9
82.5°	0.0	0.0	1.9	1.9	1.9
85°	0.0	0.0	0.0	0.0	0.0
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)