

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: P1179261

Luminaire Tested: LDA2B158040R2060D010 2LBD1B

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179261
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: LDA2B158040R2060D010 2LBD1B
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

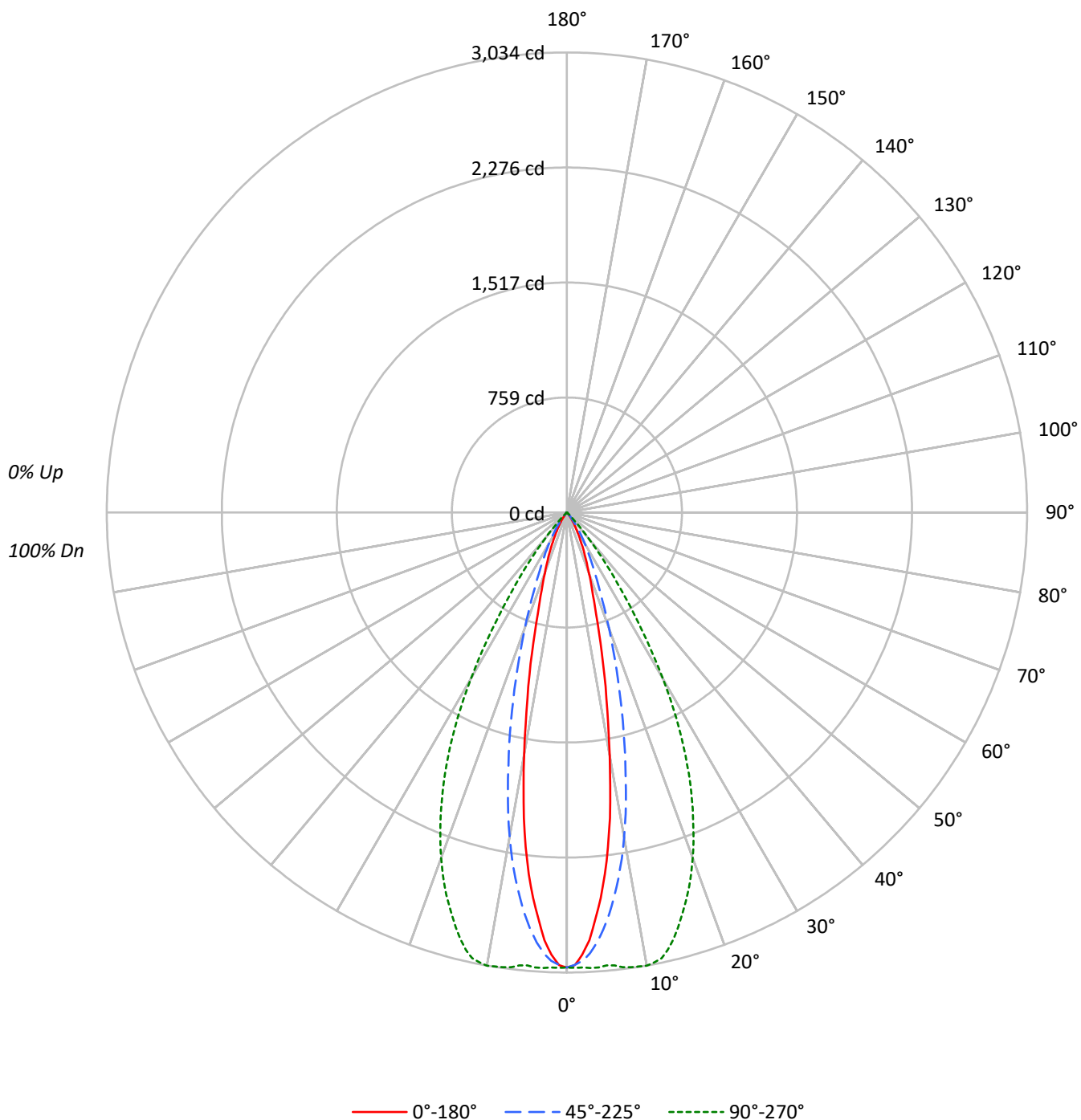
Lumens per Lamp: N/A
Luminaire Lumens: 1195.5 lumens
Efficiency: N/A
Efficacy: 84.8 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14.1
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

TEST NUMBER: P1179261

CATALOG NUMBER: LDA2B158040R2060D010 2LBD1B

Luminous Intensity Polar Plot



TEST NUMBER: P1179261

CATALOG NUMBER: LDA2B158040R2060D010 2LBD1B

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1480628	1480628	1480628
5°	1264364	1366682	1484848
10°	814031	1089515	1520202
15°	417602	726666	1446642
20°	223030	424640	1272450
25°	124333	232825	1035000
30°	66311	132623	720993
35°	28910	63963	375885
40°	8437	18742	142397
45°	2023	5093	21280
50°	1151	1151	2226
55°	1290	1290	1290
60°	0	1480	1480
65°	0	1751	1751
70°	0	2164	2164
75°	0	2859	2859
80°	0	4262	4262
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 21280 cd/sqm

TEST NUMBER: P1179261

CATALOG NUMBER: LDA2B158040R2060D010 2LBD1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	247.7	20.7
10°-20°	450.9	37.7
20°-30°	341.8	28.6
30°-40°	136.7	11.4
40°-50°	13.9	1.2
50°-60°	1.5	0.1
60°-70°	1.3	0.1
70°-80°	1.3	0.1
80°-90°	0.4	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°	1040.4	87.0
0°-40°	1177.2	98.5
0°-60°	1192.5	99.7
0°-90°	1195.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1195.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3001	3001	3001	3001	3001	
5°	2553	2610	2760	2920	2998	214
15°	818	948	1423	2342	2832	234
25°	228	266	428	1222	1901	108
35°	48	60	106	323	624	33
45°	3	4	7	14	30	3
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	

TEST NUMBER: P1179261

CATALOG NUMBER: LDA2B158040R2060D010 2LBD1B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3001.1	3001.1	3001.1	3001.1	3001.1
1°	2985.1	2986.5	2983.6	2988.0	3002.5
2°	2918.2	2940.0	2958.9	2977.8	3002.5
3°	2825.1	2851.2	2910.9	2970.5	3008.4
4°	2688.3	2742.1	2844.0	2953.1	3008.4
5°	2553.0	2609.8	2759.6	2919.6	2998.2
6°	2398.8	2480.3	2662.1	2887.6	3004.0
7°	2224.3	2324.6	2554.5	2867.2	3021.4
8°	2035.1	2148.6	2436.7	2823.6	3028.7
9°	1825.7	1963.9	2311.5	2771.2	3031.6
10°	1624.9	1770.4	2174.8	2711.6	3034.5
11°	1424.2	1575.5	2026.4	2653.4	3022.9
12°	1254.0	1398.0	1870.8	2592.3	3005.4
13°	1096.9	1236.5	1716.6	2519.6	2960.3
14°	951.4	1088.1	1568.2	2435.2	2900.7
15°	817.6	948.5	1422.7	2342.1	2832.3
16°	696.8	819.0	1283.1	2238.8	2756.7
17°	609.5	707.0	1152.1	2129.7	2682.5
18°	541.2	613.9	1028.5	2022.1	2603.9
19°	480.1	538.2	913.6	1910.0	2516.7
20°	424.8	477.1	808.8	1793.7	2423.6
21°	378.2	423.3	711.4	1678.7	2329.0
22°	337.5	376.8	624.1	1565.3	2225.7
23°	299.7	334.6	549.9	1450.4	2122.4
24°	263.3	301.1	484.4	1334.0	2014.8
25°	228.4	266.2	427.7	1222.0	1901.3
26°	200.8	235.7	379.7	1112.9	1783.5
27°	173.1	209.5	337.5	1008.1	1664.2
28°	151.3	184.7	299.7	907.7	1534.7
29°	130.9	162.9	264.8	808.8	1402.3
30°	116.4	141.1	232.8	715.7	1265.6
32.5°	80.0	94.6	162.9	503.3	923.7
35°	48.0	59.6	106.2	322.9	624.1
37.5°	26.2	32.0	61.1	193.5	392.8
40°	13.1	16.0	29.1	94.6	221.1
42.5°	5.8	7.3	13.1	36.4	94.6
45°	2.9	4.4	7.3	14.5	30.5
47.5°	1.5	2.9	2.9	5.8	8.7
50°	1.5	1.5	1.5	2.9	2.9
52.5°	1.5	1.5	1.5	2.9	2.9
55°	1.5	1.5	1.5	1.5	1.5
57.5°	0.0	1.5	1.5	1.5	1.5
60°	0.0	1.5	1.5	1.5	1.5
62.5°	0.0	1.5	1.5	1.5	1.5
65°	0.0	1.5	1.5	1.5	1.5



TEST NUMBER: P1179261

CATALOG NUMBER: LDA2B158040R2060D010 2LBD1B

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.5	1.5	1.5	1.5
70°	0.0	1.5	1.5	1.5	1.5
72.5°	0.0	1.5	1.5	1.5	1.5
75°	0.0	1.5	1.5	1.5	1.5
77.5°	0.0	1.5	1.5	1.5	1.5
80°	0.0	0.0	1.5	1.5	1.5
82.5°	0.0	0.0	1.5	1.5	1.5
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)