

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: P1179155

Luminaire Tested: LDA2B158027R2060D010 2LBD1WHH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179155
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: LDA2B158027R2060D010 2LBD1WHH
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

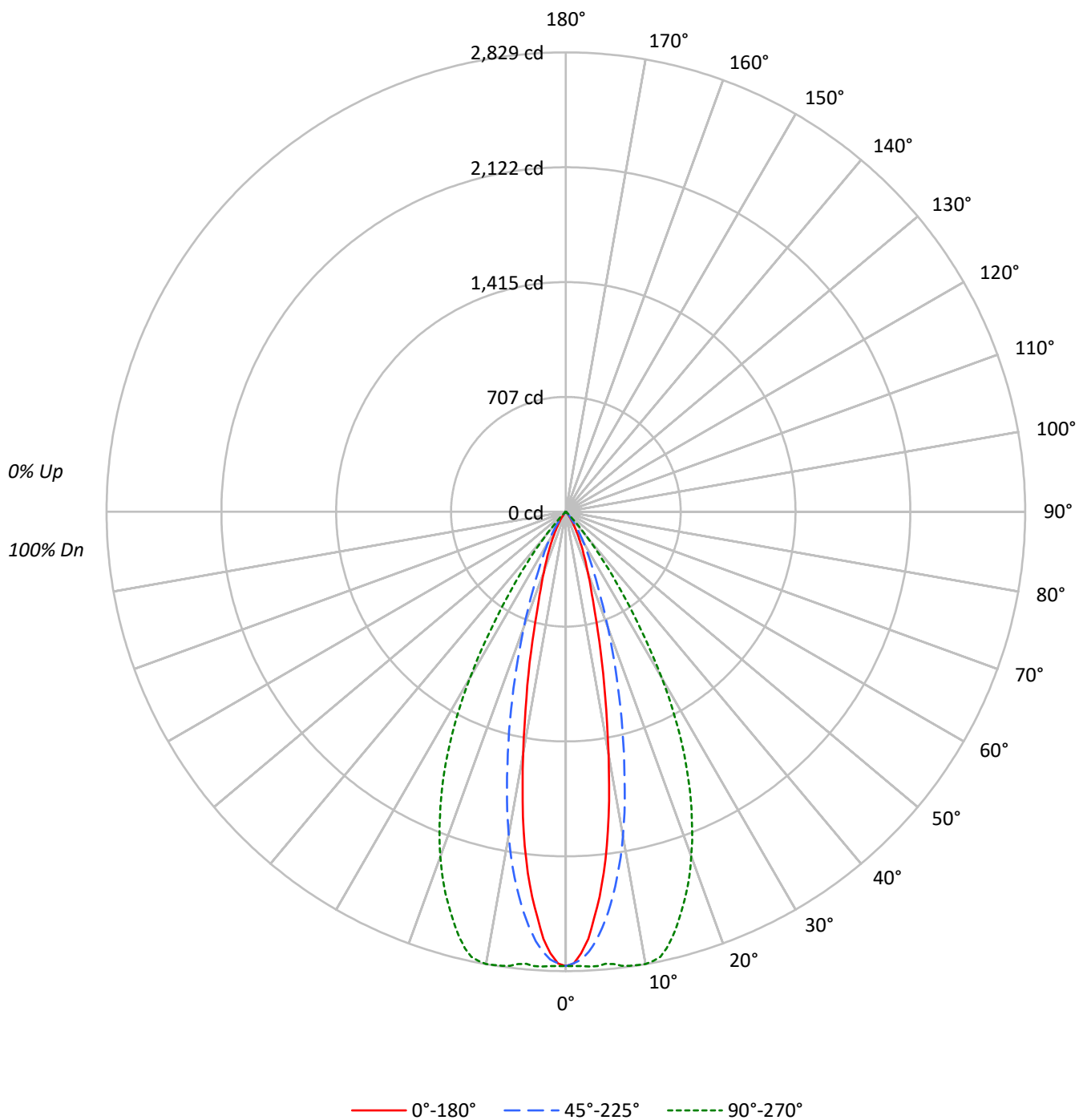
Lumens per Lamp: N/A
Luminaire Lumens: 1114.5 lumens
Efficiency: N/A
Efficacy: 79.0 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P1179155

CATALOG NUMBER: LDA2B158027R2060D010 2LBD1WHH

Luminous Intensity Polar Plot



TEST NUMBER: P1179155

CATALOG NUMBER: LDA2B158027R2060D010 2LBD1WHH

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°	1380229	1380229	1380229
5°	1178637	1274021	1384164
10°	758823	1015622	1417152
15°	389255	677377	1348575
20°	207910	395869	1186136
25°	115895	217038	964832
30°	61811	123622	672115
35°	26982	59626	350409
40°	7857	17453	132736
45°	1884	4744	19885
50°	1075	1075	2072
55°	1204	1204	1204
60°	0	1381	1381
65°	0	1634	1634
70°	0	2019	2019
75°	0	2669	2669
80°	0	3978	3978
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 19885 cd/sqm

TEST NUMBER: P1179155

CATALOG NUMBER: LDA2B158027R2060D010 2LBD1WHH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	230.9	20.7
10°-20°	420.3	37.7
20°-30°	318.6	28.6
30°-40°	127.5	11.4
40°-50°	12.9	1.2
50°-60°	1.4	0.1
60°-70°	1.2	0.1
70°-80°	1.2	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°	969.9	87.0
0°-40°	1097.3	98.5
0°-60°	1111.6	99.7
0°-90°	1114.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1114.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2798	2798	2798	2798	2798	
5°	2380	2433	2572	2722	2795	199
15°	762	884	1326	2183	2640	218
25°	213	248	399	1139	1772	101
35°	45	56	99	301	582	31
45°	3	4	7	14	28	3
55°	1	1	1	1	1	1
65°	0	1	1	1	1	0
75°	0	1	1	1	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0

TEST NUMBER: P1179155

CATALOG NUMBER: LDA2B158027R2060D010 2LBD1WHH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2797.6	2797.6	2797.6	2797.6	2797.6
1°	2782.7	2784.0	2781.3	2785.4	2798.9
2°	2720.3	2740.6	2758.3	2775.9	2798.9
3°	2633.5	2657.9	2713.5	2769.1	2804.4
4°	2506.0	2556.2	2651.1	2752.8	2804.4
5°	2379.9	2432.8	2572.5	2721.6	2794.9
6°	2236.2	2312.1	2481.6	2691.8	2800.3
7°	2073.4	2167.0	2381.3	2672.8	2816.6
8°	1897.1	2002.9	2271.4	2632.1	2823.3
9°	1701.9	1830.7	2154.8	2583.3	2826.1
10°	1514.7	1650.3	2027.3	2527.7	2828.8
11°	1327.6	1468.6	1889.0	2473.5	2817.9
12°	1168.9	1303.2	1743.9	2416.5	2801.6
13°	1022.5	1152.7	1600.2	2348.7	2759.6
14°	886.9	1014.3	1461.8	2270.1	2704.0
15°	762.1	884.2	1326.2	2183.3	2640.3
16°	649.6	763.5	1196.1	2087.0	2569.8
17°	568.2	659.1	1074.0	1985.3	2500.6
18°	504.5	572.3	958.7	1884.9	2427.4
19°	447.5	501.7	851.6	1780.5	2346.0
20°	396.0	444.8	754.0	1672.0	2259.2
21°	352.6	394.6	663.1	1564.9	2171.1
22°	314.6	351.2	581.8	1459.1	2074.8
23°	279.4	311.9	512.6	1352.0	1978.5
24°	245.4	280.7	451.6	1243.5	1878.2
25°	212.9	248.2	398.7	1139.1	1772.4
26°	187.1	219.7	353.9	1037.4	1662.5
27°	161.4	195.3	314.6	939.8	1551.3
28°	141.0	172.2	279.4	846.2	1430.7
29°	122.0	151.9	246.8	754.0	1307.3
30°	108.5	131.5	217.0	667.2	1179.8
32.5°	74.6	88.1	151.9	469.2	861.1
35°	44.8	55.6	99.0	301.0	581.8
37.5°	24.4	29.8	57.0	180.4	366.1
40°	12.2	14.9	27.1	88.1	206.1
42.5°	5.4	6.8	12.2	33.9	88.1
45°	2.7	4.1	6.8	13.6	28.5
47.5°	1.4	2.7	2.7	5.4	8.1
50°	1.4	1.4	1.4	2.7	2.7
52.5°	1.4	1.4	1.4	2.7	2.7
55°	1.4	1.4	1.4	1.4	1.4
57.5°	0.0	1.4	1.4	1.4	1.4
60°	0.0	1.4	1.4	1.4	1.4
62.5°	0.0	1.4	1.4	1.4	1.4
65°	0.0	1.4	1.4	1.4	1.4



TEST NUMBER: P1179155

CATALOG NUMBER: LDA2B158027R2060D010 2LBD1WHH

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.4	1.4	1.4	1.4
70°	0.0	1.4	1.4	1.4	1.4
72.5°	0.0	1.4	1.4	1.4	1.4
75°	0.0	1.4	1.4	1.4	1.4
77.5°	0.0	1.4	1.4	1.4	1.4
80°	0.0	0.0	1.4	1.4	1.4
82.5°	0.0	0.0	1.4	1.4	1.4
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)