

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: P1179309

Luminaire Tested: LDA2B158050R2060D010 2LBD1WMH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179309
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: LDA2B158050R2060D010 2LBD1WMH
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

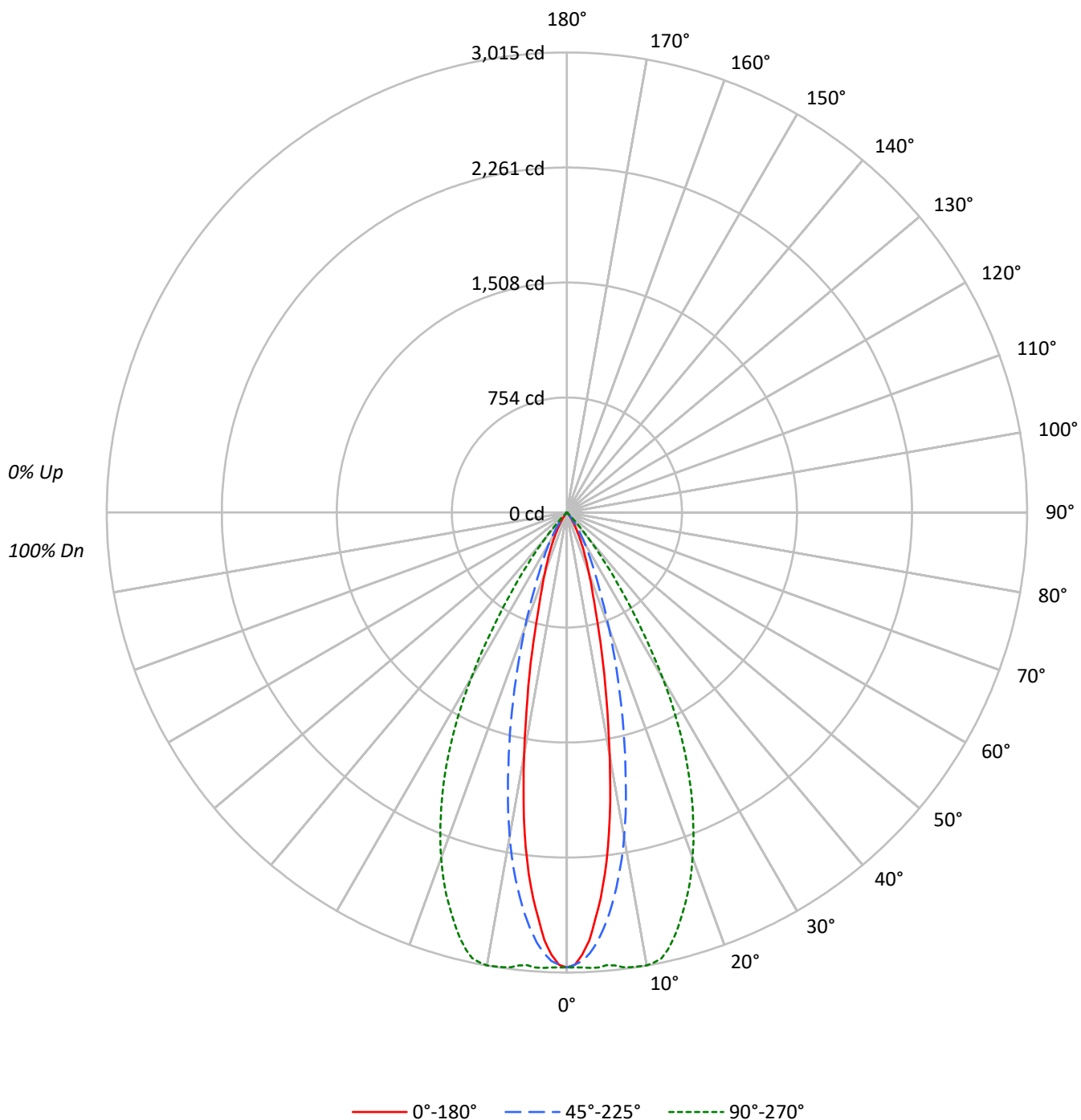
Lumens per Lamp: N/A
Luminaire Lumens: 1187.5 lumens
Efficiency: N/A
Efficacy: 84.2 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P1179309

CATALOG NUMBER: LDA2B158050R2060D010 2LBD1WMH

Luminous Intensity Polar Plot



TEST NUMBER: P1179309

CATALOG NUMBER: LDA2B158050R2060D010 2LBD1WMH

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1470958	1470958	1470958
5°	1256143	1357767	1475141
10°	808720	1082402	1510332
15°	414844	721916	1437244
20°	221560	421857	1264154
25°	123516	231300	1028250
30°	65856	131711	716322
35°	28729	63541	373416
40°	8372	18613	141495
45°	2023	5024	21141
50°	1075	1075	2226
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: 21141 cd/sqm

TEST NUMBER: P1179309

CATALOG NUMBER: LDA2B158050R2060D010 2LBD1WMH

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.1	20.7
10°-20°	448.0	37.7
20°-30°	339.6	28.6
30°-40°	135.9	11.4
40°-50°	13.8	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°	1033.6	87.0
0°-40°	1169.5	98.5
0°-60°	1184.6	99.8
0°-90°	1187.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1187.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2982	2982	2982	2982	2982	
5°	2536	2593	2742	2901	2979	212
15°	812	942	1413	2327	2814	232
25°	227	264	425	1214	1889	108
35°	48	59	106	321	620	33
45°	3	4	7	14	30	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: P1179309

CATALOG NUMBER: LDA2B158050R2060D010 2LBD1WMH

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2981.5	2981.5	2981.5	2981.5	2981.5
1°	2965.6	2967.1	2964.2	2968.5	2983.0
2°	2899.1	2920.8	2939.6	2958.4	2983.0
3°	2806.6	2832.7	2891.9	2951.2	2988.7
4°	2670.8	2724.3	2825.4	2933.8	2988.7
5°	2536.4	2592.7	2741.6	2900.6	2978.6
6°	2383.2	2464.1	2644.8	2868.8	2984.4
7°	2209.8	2309.5	2537.8	2848.6	3001.7
8°	2021.9	2134.6	2420.8	2805.2	3009.0
9°	1813.8	1951.1	2296.5	2753.2	3011.9
10°	1614.3	1758.8	2160.6	2693.9	3014.8
11°	1414.9	1565.2	2013.2	2636.1	3003.2
12°	1245.8	1388.9	1858.6	2575.4	2985.9
13°	1089.7	1228.4	1705.4	2503.1	2941.0
14°	945.2	1081.0	1558.0	2419.3	2881.8
15°	812.2	942.3	1413.4	2326.8	2813.9
16°	692.3	813.7	1274.7	2224.2	2738.7
17°	605.6	702.4	1144.6	2115.8	2665.0
18°	537.6	609.9	1021.8	2008.9	2587.0
19°	476.9	534.7	907.6	1897.6	2500.3
20°	422.0	474.0	803.5	1782.0	2407.8
21°	375.8	420.6	706.7	1667.8	2313.8
22°	335.3	374.3	620.0	1555.1	2211.2
23°	297.7	332.4	546.3	1440.9	2108.6
24°	261.6	299.2	481.3	1325.3	2001.6
25°	226.9	264.5	424.9	1214.0	1888.9
26°	199.4	234.1	377.2	1105.6	1771.9
27°	172.0	208.1	335.3	1001.5	1653.3
28°	150.3	183.5	297.7	901.8	1524.7
29°	130.1	161.9	263.0	803.5	1393.2
30°	115.6	140.2	231.2	711.1	1257.4
32.5°	79.5	93.9	161.9	500.1	917.7
35°	47.7	59.3	105.5	320.8	620.0
37.5°	26.0	31.8	60.7	192.2	390.2
40°	13.0	15.9	28.9	93.9	219.7
42.5°	5.8	7.2	13.0	36.1	93.9
45°	2.9	4.3	7.2	14.5	30.3
47.5°	1.4	2.9	2.9	5.8	8.7
50°	1.4	1.4	1.4	2.9	2.9
52.5°	1.4	1.4	1.4	2.9	2.9
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: P1179309

CATALOG NUMBER: LDA2B158050R2060D010 2LBD1WMH

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)