

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: P1178295

Luminaire Tested: LDA2B058050R2060D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178295
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: LDA2B058050R2060D010 2LBD1LI
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

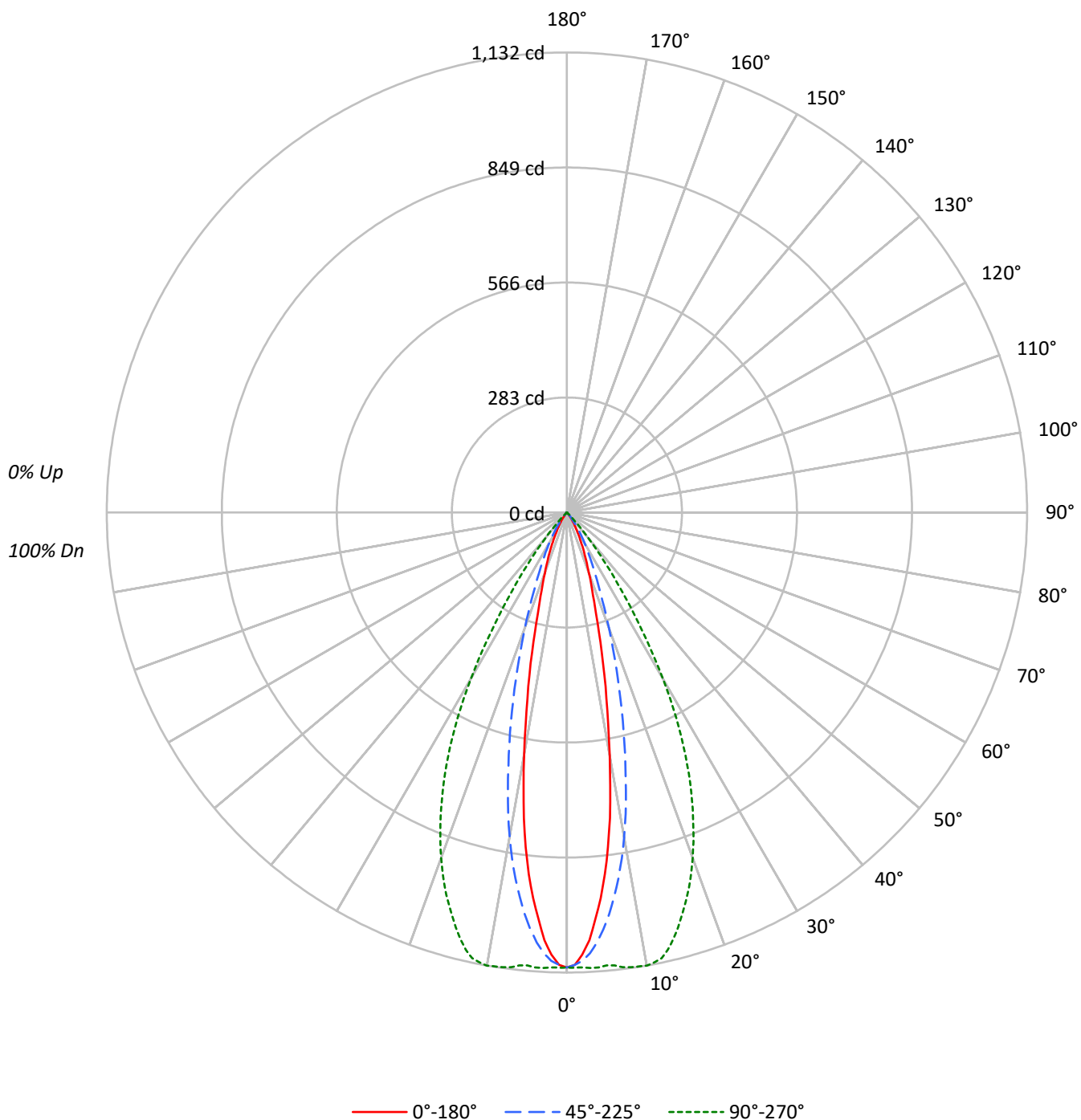
Lumens per Lamp: N/A
Luminaire Lumens: 445.9 lumens
Efficiency: N/A
Efficacy: 63.7 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7
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: P1178295

CATALOG NUMBER: LDA2B058050R2060D010 2LBD1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1178295

CATALOG NUMBER: LDA2B058050R2060D010 2LBD1LI

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	92	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	87	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	67	64	70	66	64	64	64	63

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	552417	552417	552417
5°	471722	509906	553983
10°	303690	406489	567151
15°	155784	271114	539726
20°	83216	158452	474727
25°	46380	86881	386118
30°	24724	49449	269005
35°	10781	23850	140212
40°	3156	7020	53133
45°	767	1884	7954
50°	384	384	844
55°	430	430	430
60°	0	493	493
65°	0	584	584
70°	0	721	721
75°	0	953	953
80°	0	1421	1421
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 7954 cd/sqm

TEST NUMBER: P1178295

CATALOG NUMBER: LDA2B058050R2060D010 2LBD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	20.7
10°-20°	168.2	37.7
20°-30°	127.5	28.6
30°-40°	51.0	11.4
40°-50°	5.2	1.2
50°-60°	0.5	0.1
60°-70°	0.4	0.1
70°-80°	0.4	0.1
80°-90°	0.1	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°	388.2	87.1
0°-40°	439.2	98.5
0°-60°	444.9	99.8
0°-90°	445.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	445.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1120	1120	1120	1120	1120	
5°	952	974	1030	1089	1119	80
15°	305	354	531	874	1057	87
25°	85	99	160	456	709	40
35°	18	22	40	120	233	12
45°	1	2	3	5	11	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

TEST NUMBER: P1178295

CATALOG NUMBER: LDA2B058050R2060D010 2LBD1LI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1119.7	1119.7	1119.7	1119.7	1119.7
1°	1113.7	1114.2	1113.1	1114.8	1120.2
2°	1088.7	1096.9	1103.9	1111.0	1120.2
3°	1054.0	1063.8	1086.0	1108.3	1122.4
4°	1003.0	1023.0	1061.0	1101.7	1122.4
5°	952.5	973.7	1029.6	1089.3	1118.6
6°	895.0	925.4	993.2	1077.3	1120.7
7°	829.8	867.3	953.0	1069.7	1127.3
8°	759.3	801.6	909.1	1053.4	1130.0
9°	681.1	732.7	862.4	1033.9	1131.0
10°	606.2	660.5	811.4	1011.6	1132.1
11°	531.3	587.8	756.0	989.9	1127.8
12°	467.8	521.6	698.0	967.1	1121.3
13°	409.2	461.3	640.4	940.0	1104.5
14°	354.9	406.0	585.1	908.5	1082.2
15°	305.0	353.9	530.8	873.8	1056.7
16°	260.0	305.6	478.7	835.3	1028.5
17°	227.4	263.8	429.8	794.6	1000.8
18°	201.9	229.0	383.7	754.4	971.5
19°	179.1	200.8	340.8	712.6	938.9
20°	158.5	178.0	301.8	669.2	904.2
21°	141.1	157.9	265.4	626.3	868.9
22°	125.9	140.6	232.8	584.0	830.4
23°	111.8	124.8	205.2	541.1	791.8
24°	98.2	112.3	180.7	497.7	751.7
25°	85.2	99.3	159.6	455.9	709.3
26°	74.9	87.9	141.7	415.2	665.4
27°	64.6	78.2	125.9	376.1	620.9
28°	56.4	68.9	111.8	338.7	572.6
29°	48.8	60.8	98.8	301.8	523.2
30°	43.4	52.6	86.8	267.0	472.2
32.5°	29.9	35.3	60.8	187.8	344.6
35°	17.9	22.3	39.6	120.5	232.8
37.5°	9.8	11.9	22.8	72.2	146.5
40°	4.9	6.0	10.9	35.3	82.5
42.5°	2.2	2.7	4.9	13.6	35.3
45°	1.1	1.6	2.7	5.4	11.4
47.5°	0.5	1.1	1.1	2.2	3.3
50°	0.5	0.5	0.5	1.1	1.1
52.5°	0.5	0.5	0.5	1.1	1.1
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.0	0.5	0.5	0.5	0.5
60°	0.0	0.5	0.5	0.5	0.5
62.5°	0.0	0.5	0.5	0.5	0.5
65°	0.0	0.5	0.5	0.5	0.5



TEST NUMBER: P1178295

CATALOG NUMBER: LDA2B058050R2060D010 2LBD1LI

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.5	0.5	0.5	0.5
70°	0.0	0.5	0.5	0.5	0.5
72.5°	0.0	0.5	0.5	0.5	0.5
75°	0.0	0.5	0.5	0.5	0.5
77.5°	0.0	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.5	0.5	0.5
82.5°	0.0	0.0	0.5	0.5	0.5
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)