

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: P1179230

Luminaire Tested: LDA2B158035R2060D010 2LBD1WHH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179230
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: LDA2B158035R2060D010 2LBD1WHH
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

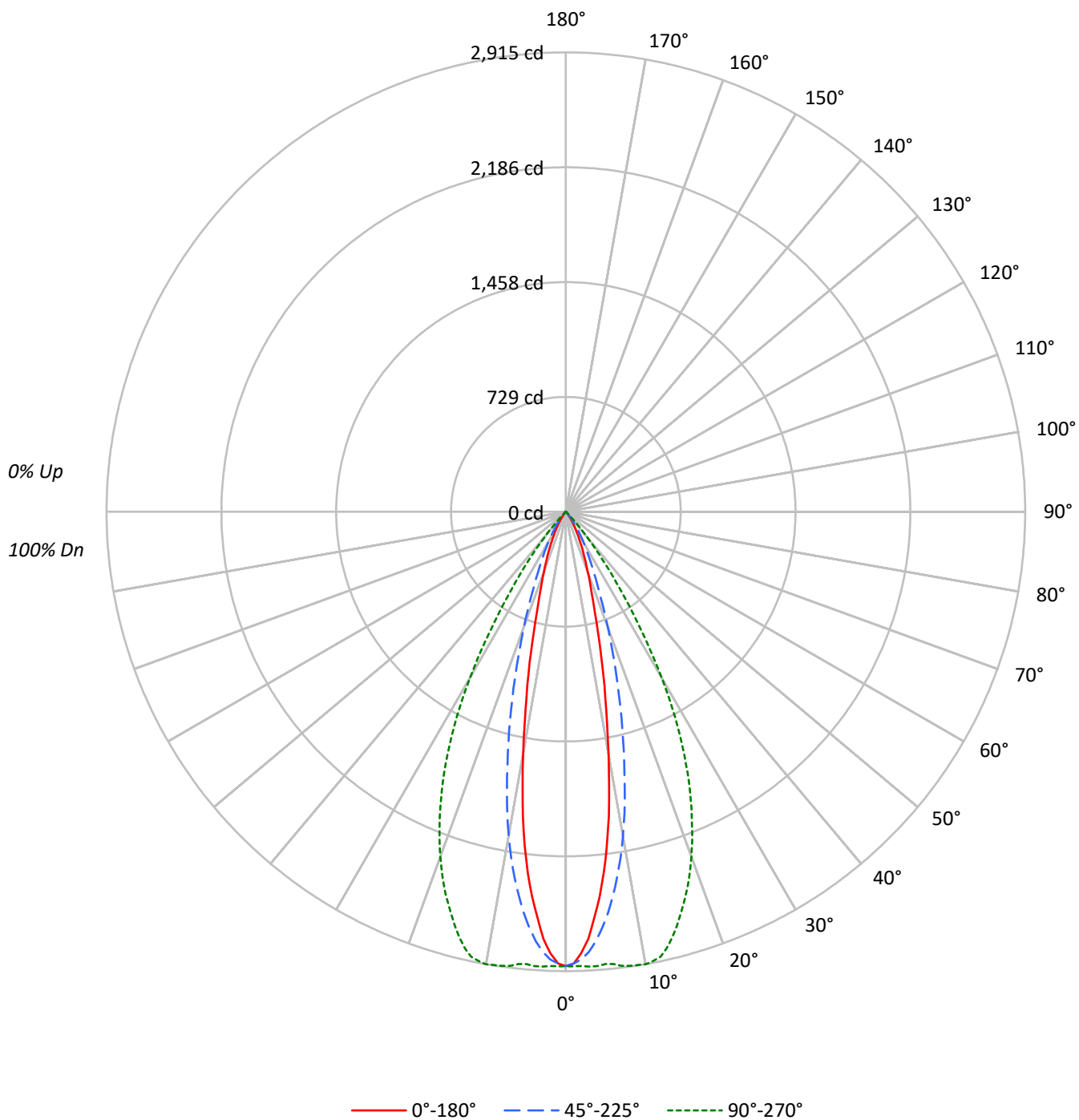
Lumens per Lamp: N/A
Luminaire Lumens: 1148.4 lumens
Efficiency: N/A
Efficacy: 81.4 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

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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	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	82	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°	1422461	1422461	1422461
5°	1214691	1312997	1426508
10°	782068	1046682	1460486
15°	401155	698115	1389793
20°	214263	407944	1222415
25°	119434	223679	994336
30°	63691	127382	692680
35°	27765	61433	361129
40°	8115	18033	136794
45°	1954	4884	20443
50°	1075	1075	2149
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: 20443 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	238.0	20.7
10°-20°	433.2	37.7
20°-30°	328.4	28.6
30°-40°	131.4	11.4
40°-50°	13.3	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°	999.5	87.0
0°-40°	1130.9	98.5
0°-60°	1145.6	99.8
0°-90°	1148.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1148.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2883	2883	2883	2883	2883	
5°	2453	2507	2651	2805	2880	205
15°	785	911	1367	2250	2721	225
25°	219	256	411	1174	1827	104
35°	46	57	102	310	600	32
45°	3	4	7	14	29	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2883.2	2883.2	2883.2	2883.2	2883.2
1°	2867.8	2869.2	2866.4	2870.6	2884.6
2°	2803.5	2824.5	2842.6	2860.8	2884.6
3°	2714.1	2739.2	2796.5	2853.8	2890.1
4°	2582.7	2634.4	2732.2	2837.0	2890.1
5°	2452.7	2507.2	2651.2	2804.9	2880.4
6°	2304.6	2382.8	2557.5	2774.1	2886.0
7°	2136.9	2233.3	2454.1	2754.6	2902.7
8°	1955.2	2064.2	2340.9	2712.7	2909.7
9°	1753.9	1886.7	2220.7	2662.3	2912.5
10°	1561.1	1700.8	2089.3	2605.0	2915.3
11°	1368.2	1513.6	1946.8	2549.1	2904.1
12°	1204.7	1343.1	1797.3	2490.4	2887.3
13°	1053.8	1187.9	1649.1	2420.6	2844.0
14°	914.0	1045.4	1506.6	2339.5	2786.7
15°	785.4	911.2	1366.8	2250.1	2721.0
16°	669.4	786.8	1232.6	2150.8	2648.4
17°	585.6	679.2	1106.9	2046.0	2577.1
18°	519.9	589.8	988.1	1942.6	2501.6
19°	461.2	517.1	877.7	1835.0	2417.8
20°	408.1	458.4	777.0	1723.2	2328.3
21°	363.4	406.7	683.4	1612.8	2237.5
22°	324.2	362.0	599.6	1503.8	2138.3
23°	287.9	321.4	528.3	1393.4	2039.0
24°	253.0	289.3	465.4	1281.6	1935.6
25°	219.4	255.8	410.9	1173.9	1826.6
26°	192.9	226.4	364.8	1069.1	1713.4
27°	166.3	201.2	324.2	968.5	1598.8
28°	145.3	177.5	287.9	872.1	1474.4
29°	125.8	156.5	254.4	777.0	1347.2
30°	111.8	135.6	223.6	687.6	1215.9
32.5°	76.9	90.8	156.5	483.6	887.4
35°	46.1	57.3	102.0	310.3	599.6
37.5°	25.2	30.7	58.7	185.9	377.3
40°	12.6	15.4	28.0	90.8	212.4
42.5°	5.6	7.0	12.6	34.9	90.8
45°	2.8	4.2	7.0	14.0	29.3
47.5°	1.4	2.8	2.8	5.6	8.4
50°	1.4	1.4	1.4	2.8	2.8
52.5°	1.4	1.4	1.4	2.8	2.8
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



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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)