

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: P1179342

Luminaire Tested: LDA2B159024R2060D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179342
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: LDA2B159024R2060D010 2LBD1LI
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2400K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

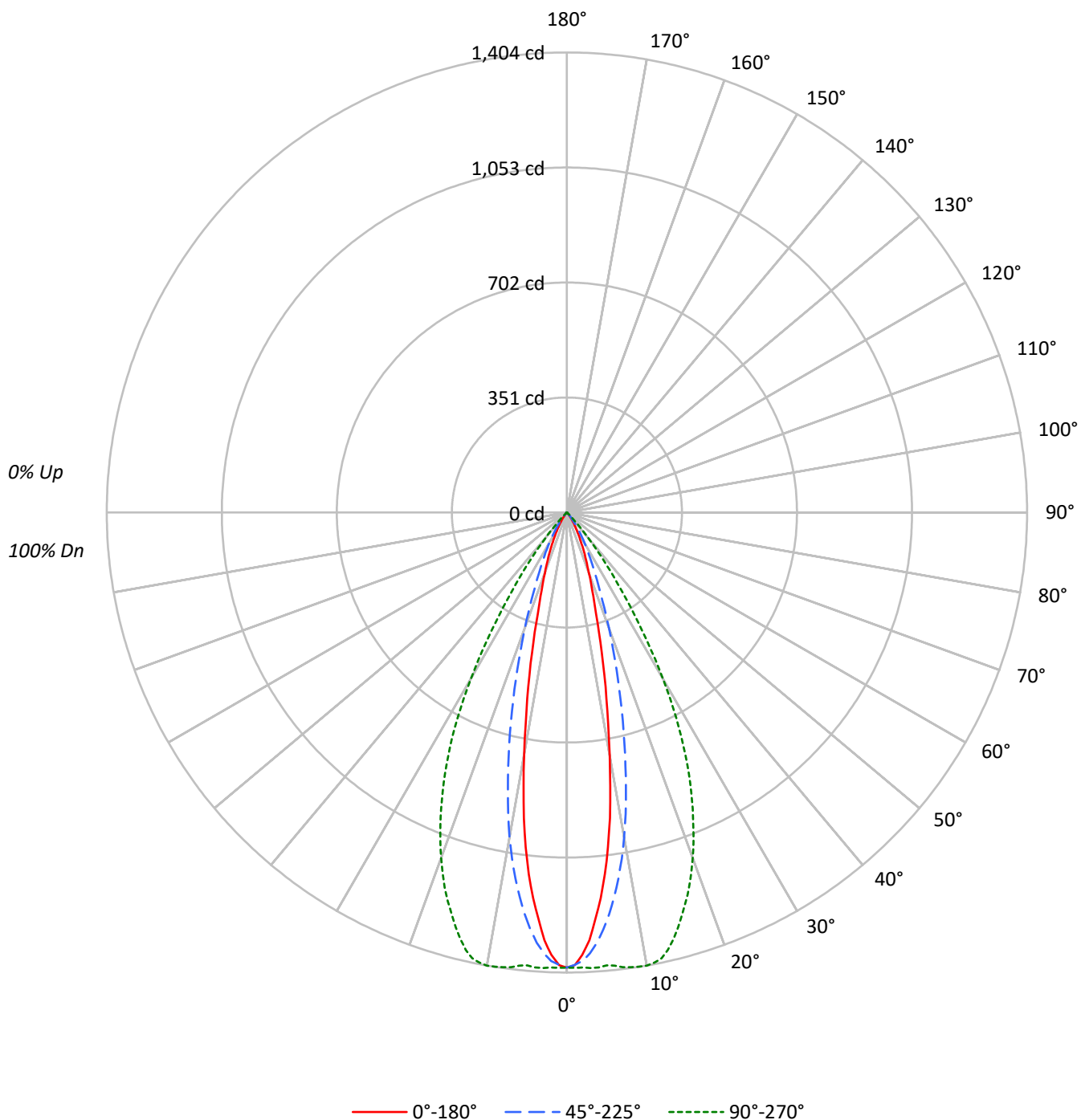
Lumens per Lamp: N/A
Luminaire Lumens: 553.3 lumens
Efficiency: N/A
Efficacy: 39.2 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

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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°	685280	685280	685280
5°	585183	632529	687204
10°	376731	504229	703566
15°	193274	336339	669563
20°	103220	196517	588920
25°	57539	107730	479041
30°	30706	61355	333665
35°	13371	29572	173939
40°	3929	8695	65885
45°	907	2372	9838
50°	537	537	998
55°	602	602	602
60°	0	691	691
65°	0	817	817
70°	0	1010	1010
75°	0	1334	1334
80°	0	1989	1989
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 9838 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	114.6	20.7
10°-20°	208.7	37.7
20°-30°	158.2	28.6
30°-40°	63.3	11.4
40°-50°	6.4	1.2
50°-60°	0.7	0.1
60°-70°	0.6	0.1
70°-80°	0.6	0.1
80°-90°	0.2	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°	481.5	87.0
0°-40°	544.8	98.5
0°-60°	551.9	99.7
0°-90°	553.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	553.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1389	1389	1389	1389	1389	
5°	1182	1208	1277	1351	1388	99
15°	378	439	658	1084	1311	108
25°	106	123	198	566	880	50
35°	22	28	49	150	289	15
45°	1	2	3	7	14	2
55°	1	1	1	1	1	0
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

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1389.0	1389.0	1389.0	1389.0	1389.0
1°	1381.5	1382.2	1380.9	1382.9	1389.6
2°	1350.6	1360.7	1369.4	1378.2	1389.6
3°	1307.5	1319.6	1347.2	1374.8	1392.3
4°	1244.2	1269.1	1316.2	1366.7	1392.3
5°	1181.6	1207.8	1277.2	1351.2	1387.6
6°	1110.2	1147.9	1232.1	1336.4	1390.3
7°	1029.4	1075.9	1182.3	1327.0	1398.4
8°	941.9	994.4	1127.7	1306.8	1401.7
9°	845.0	908.9	1069.8	1282.6	1403.1
10°	752.0	819.4	1006.5	1255.0	1404.4
11°	659.1	729.1	937.9	1228.0	1399.1
12°	580.4	647.0	865.8	1199.8	1391.0
13°	507.6	572.3	794.5	1166.1	1370.1
14°	440.3	503.6	725.8	1127.1	1342.5
15°	378.4	439.0	658.5	1084.0	1310.9
16°	322.5	379.0	593.8	1036.2	1275.8
17°	282.1	327.2	533.2	985.7	1241.5
18°	250.5	284.1	476.0	935.8	1205.2
19°	222.2	249.1	422.8	884.0	1164.8
20°	196.6	220.8	374.3	830.1	1121.7
21°	175.0	195.9	329.2	777.0	1077.9
22°	156.2	174.4	288.8	724.4	1030.1
23°	138.7	154.9	254.5	671.2	982.3
24°	121.9	139.4	224.2	617.4	932.5
25°	105.7	123.2	197.9	565.5	880.0
26°	92.9	109.1	175.7	515.1	825.4
27°	80.1	97.0	156.2	466.6	770.2
28°	70.0	85.5	138.7	420.1	710.3
29°	60.6	75.4	122.5	374.3	649.0
30°	53.9	65.3	107.7	331.2	585.7
32.5°	37.0	43.8	75.4	233.0	427.5
35°	22.2	27.6	49.1	149.5	288.8
37.5°	12.1	14.8	28.3	89.5	181.8
40°	6.1	7.4	13.5	43.8	102.3
42.5°	2.7	3.4	6.1	16.8	43.8
45°	1.3	2.0	3.4	6.7	14.1
47.5°	0.7	1.3	1.3	2.7	4.0
50°	0.7	0.7	0.7	1.3	1.3
52.5°	0.7	0.7	0.7	1.3	1.3
55°	0.7	0.7	0.7	0.7	0.7
57.5°	0.0	0.7	0.7	0.7	0.7
60°	0.0	0.7	0.7	0.7	0.7
62.5°	0.0	0.7	0.7	0.7	0.7
65°	0.0	0.7	0.7	0.7	0.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.7	0.7	0.7	0.7
70°	0.0	0.7	0.7	0.7	0.7
72.5°	0.0	0.7	0.7	0.7	0.7
75°	0.0	0.7	0.7	0.7	0.7
77.5°	0.0	0.7	0.7	0.7	0.7
80°	0.0	0.0	0.7	0.7	0.7
82.5°	0.0	0.0	0.7	0.7	0.7
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)