

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: P1178916

Luminaire Tested: LDA2B109030R2060D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178916
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: LDA2B109030R2060D010 2LBD1LI
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

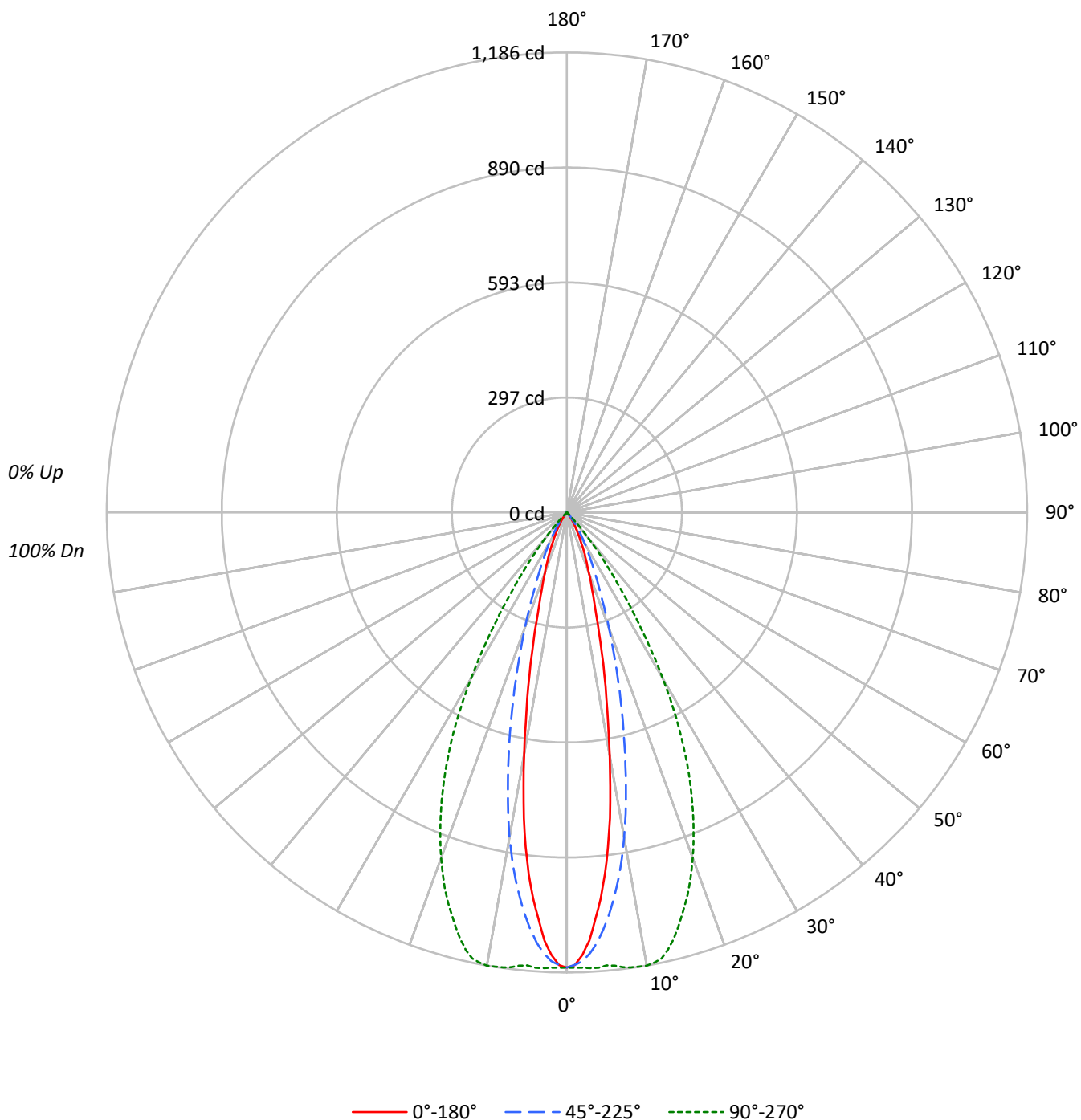
Lumens per Lamp: N/A
Luminaire Lumens: 467.5 lumens
Efficiency: N/A
Efficacy: 46.7 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
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	100	99	99
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	94	93
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90	89	88
3	105	100	96	92	103	99	95	92	96	93	90	94	91	89	91	89	87	86	85	84
4	101	95	90	87	99	94	89	86	92	88	85	90	87	84	88	85	83	82	81	80
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78	77	76
6	93	86	81	77	92	85	81	77	84	80	77	82	79	76	81	78	76	74	73	72
7	90	82	77	74	89	81	77	73	80	76	73	79	75	73	78	75	72	71	70	69
8	86	79	74	70	85	78	73	70	77	73	70	76	72	69	75	72	69	68	67	66
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	65	64	63
10	80	72	67	64	79	72	67	64	71	67	64	70	66	64	70	66	64	62	61	60

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	578911	578911	578911
5°	494404	534371	580577
10°	318318	426027	594404
15°	163292	284139	565673
20°	87207	166065	497513
25°	48612	91018	404681
30°	25921	51841	281937
35°	11323	24995	146957
40°	3285	7342	55709
45°	767	1954	8303
50°	461	461	844
55°	516	516	516
60°	0	592	592
65°	0	700	700
70°	0	865	865
75°	0	1144	1144
80°	0	1705	1705
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 8303 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.9	20.7
10°-20°	176.3	37.7
20°-30°	133.7	28.6
30°-40°	53.5	11.4
40°-50°	5.4	1.2
50°-60°	0.6	0.1
60°-70°	0.5	0.1
70°-80°	0.5	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°	406.8	87.0
0°-40°	460.3	98.5
0°-60°	466.3	99.7
0°-90°	467.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	467.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1173	1173	1173	1173	1173	
5°	998	1020	1079	1142	1172	84
15°	320	371	556	916	1108	91
25°	89	104	167	478	743	42
35°	19	23	42	126	244	13
45°	1	2	3	6	12	1
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°	1173.4	1173.4	1173.4	1173.4	1173.4
1°	1167.2	1167.8	1166.6	1168.3	1174.0
2°	1141.0	1149.6	1157.0	1164.3	1174.0
3°	1104.6	1114.9	1138.2	1161.5	1176.3
4°	1051.2	1072.2	1112.0	1154.7	1176.3
5°	998.3	1020.4	1079.0	1141.6	1172.3
6°	938.0	969.8	1040.9	1129.1	1174.6
7°	869.7	909.0	998.8	1121.1	1181.4
8°	795.8	840.1	952.8	1104.1	1184.3
9°	713.9	767.9	903.8	1083.6	1185.4
10°	635.4	692.2	850.4	1060.3	1186.5
11°	556.9	616.0	792.3	1037.5	1182.0
12°	490.3	546.6	731.5	1013.6	1175.2
13°	428.9	483.5	671.2	985.2	1157.5
14°	372.0	425.5	613.2	952.2	1134.2
15°	319.7	370.9	556.3	915.8	1107.5
16°	272.5	320.2	501.7	875.4	1077.9
17°	238.3	276.4	450.5	832.7	1048.9
18°	211.6	240.0	402.1	790.6	1018.2
19°	187.7	210.5	357.2	746.8	984.0
20°	166.1	186.6	316.3	701.3	947.6
21°	147.9	165.5	278.1	656.4	910.7
22°	132.0	147.3	244.0	612.0	870.3
23°	117.2	130.8	215.0	567.1	829.9
24°	103.0	117.7	189.4	521.6	787.8
25°	89.3	104.1	167.2	477.8	743.4
26°	78.5	92.1	148.5	435.1	697.4
27°	67.7	81.9	132.0	394.2	650.7
28°	59.2	72.2	117.2	354.9	600.1
29°	51.2	63.7	103.5	316.3	548.3
30°	45.5	55.2	91.0	279.9	494.9
32.5°	31.3	37.0	63.7	196.8	361.2
35°	18.8	23.3	41.5	126.3	244.0
37.5°	10.2	12.5	23.9	75.7	153.6
40°	5.1	6.3	11.4	37.0	86.5
42.5°	2.3	2.8	5.1	14.2	37.0
45°	1.1	1.7	2.8	5.7	11.9
47.5°	0.6	1.1	1.1	2.3	3.4
50°	0.6	0.6	0.6	1.1	1.1
52.5°	0.6	0.6	0.6	1.1	1.1
55°	0.6	0.6	0.6	0.6	0.6
57.5°	0.0	0.6	0.6	0.6	0.6
60°	0.0	0.6	0.6	0.6	0.6
62.5°	0.0	0.6	0.6	0.6	0.6
65°	0.0	0.6	0.6	0.6	0.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.6	0.6	0.6	0.6
70°	0.0	0.6	0.6	0.6	0.6
72.5°	0.0	0.6	0.6	0.6	0.6
75°	0.0	0.6	0.6	0.6	0.6
77.5°	0.0	0.6	0.6	0.6	0.6
80°	0.0	0.0	0.6	0.6	0.6
82.5°	0.0	0.0	0.6	0.6	0.6
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)