

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: P1179059

Luminaire Tested: LDA2B109727R2050D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179059
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B109727R2050D010 2LBD1LI
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

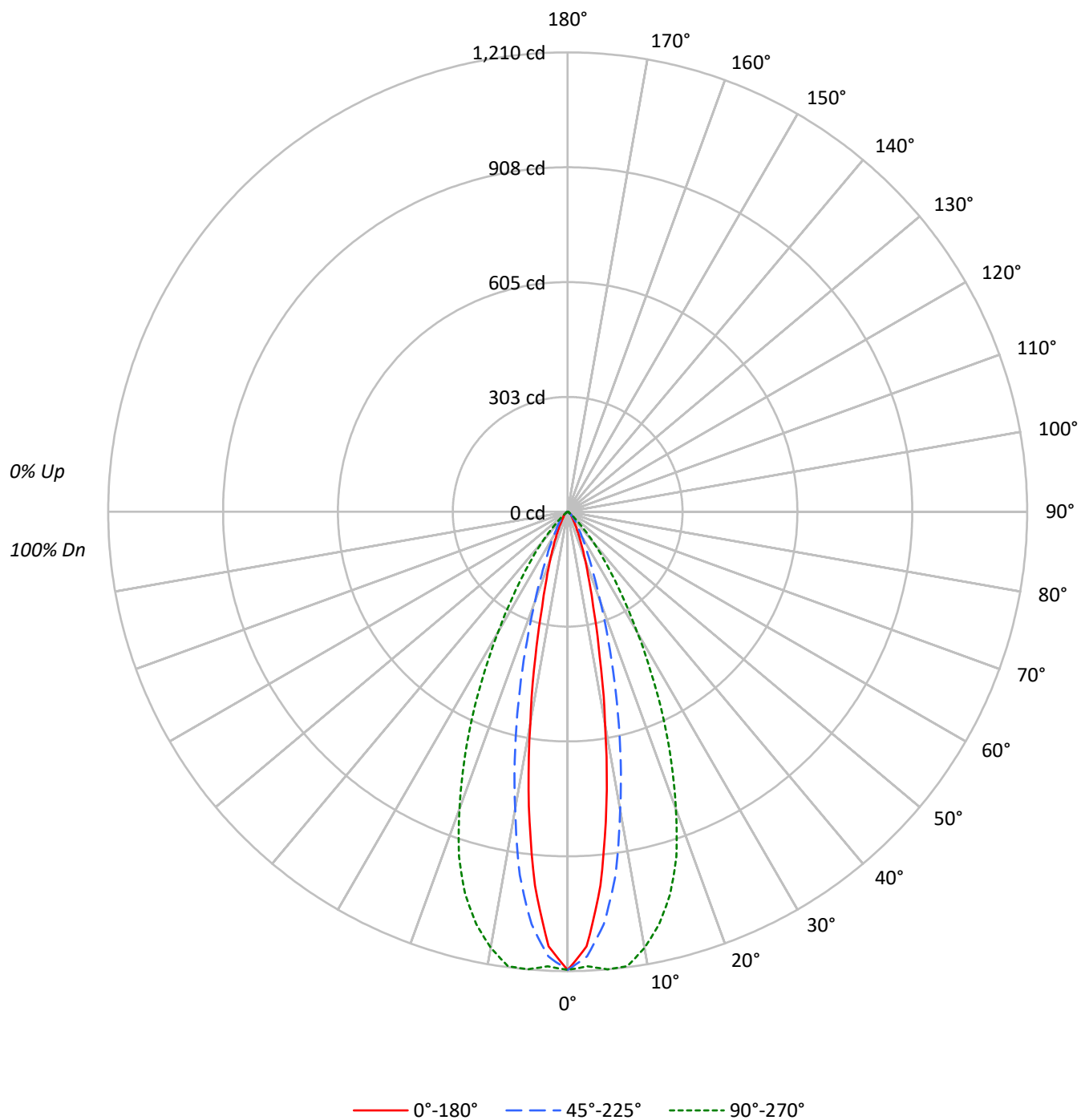
Lumens per Lamp: N/A
Luminaire Lumens: 433.8 lumens
Efficiency: N/A
Efficacy: 43.4 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		90
4	100	94	89	85	99	93	88	85	91	87	84		89	85	83		87
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80
7	89	81	76	72	88	80	75	72	79	75	71		78	74	71		77
8	85	77	72	69	84	77	72	69	76	71	68		75	71	68		74
9	82	74	69	66	81	74	69	66	73	68	65		72	68	65		71
10	79	71	66	63	79	71	66	63	70	66	63		69	65	63		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	595389	595389	595389
5°	489501	540116	599149
10°	284152	399125	584184
15°	132390	248590	532371
20°	69776	131046	437556
25°	38650	70931	322699
30°	22673	41587	208733
35°	14575	27886	123649
40°	11335	18806	68719
45°	9838	11233	30560
50°	8903	7752	11206
55°	6021	5591	5161
60°	4440	3947	3947
65°	3502	2918	3502
70°	2885	2885	2885
75°	2859	2859	2859
80°	2841	2841	2841
85°	2830	2830	2830

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 30560 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.1	22.2
10°-20°	157.3	36.3
20°-30°	104.9	24.2
30°-40°	47.3	10.9
40°-50°	17.3	4.0
50°-60°	6.1	1.4
60°-70°	2.8	0.6
70°-80°	1.5	0.3
80°-90°	0.4	0.1
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°	358.4	82.6
0°-40°	405.7	93.5
0°-60°	429.1	98.9
0°-90°	433.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	433.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1207	1207	1207	1207	1207	
5°	988	1019	1091	1170	1210	81
15°	259	304	487	822	1042	78
25°	71	82	130	355	593	34
35°	24	27	46	100	205	16
45°	14	14	16	25	44	11
55°	7	6	6	6	6	7
65°	3	3	2	2	3	3
75°	2	2	2	2	2	1
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°	1206.8	1206.8	1206.8	1206.8	1206.8
2.5°	1145.9	1158.0	1172.1	1186.7	1198.3
5°	988.4	1019.1	1090.6	1170.1	1209.8
7.5°	781.6	826.9	965.8	1122.8	1206.8
10°	567.2	625.1	796.7	1040.7	1166.1
12.5°	390.0	444.4	639.1	937.1	1112.2
15°	259.2	304.5	486.7	822.3	1042.3
17.5°	182.7	213.4	353.8	697.0	952.2
20°	132.9	153.5	249.6	574.2	833.4
22.5°	96.6	112.2	177.7	459.0	713.1
25°	71.0	82.5	130.3	355.3	592.8
27.5°	52.8	61.9	97.6	269.7	472.6
30°	39.8	47.3	73.0	198.8	366.4
32.5°	30.7	35.7	55.9	141.9	277.3
35°	24.2	27.2	46.3	100.1	205.3
37.5°	20.1	22.1	38.2	70.0	150.5
40°	17.6	19.1	29.2	49.8	106.7
42.5°	15.6	16.6	21.1	35.7	69.5
45°	14.1	14.1	16.1	25.2	43.8
47.5°	13.1	11.6	12.6	17.6	25.7
50°	11.6	9.6	10.1	12.1	14.6
52.5°	9.1	8.1	8.1	8.1	8.6
55°	7.0	6.5	6.5	5.5	6.0
57.5°	5.5	5.5	5.0	4.5	5.0
60°	4.5	4.5	4.0	3.5	4.0
62.5°	3.5	3.5	3.0	3.0	3.5
65°	3.0	3.0	2.5	2.5	3.0
67.5°	2.5	2.5	2.5	2.0	2.5
70°	2.0	2.0	2.0	2.0	2.0
72.5°	1.5	1.5	2.0	1.5	1.5
75°	1.5	1.5	1.5	1.5	1.5
77.5°	1.0	1.0	1.0	1.0	1.0
80°	1.0	1.0	1.0	1.0	1.0
82.5°	0.5	0.5	0.5	0.5	0.5
85°	0.5	0.5	0.5	0.5	0.5
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)