

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: P1178890

Luminaire Tested: LDA2B109030R2040D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178890
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B109030R2040D010 2LBD1LI
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

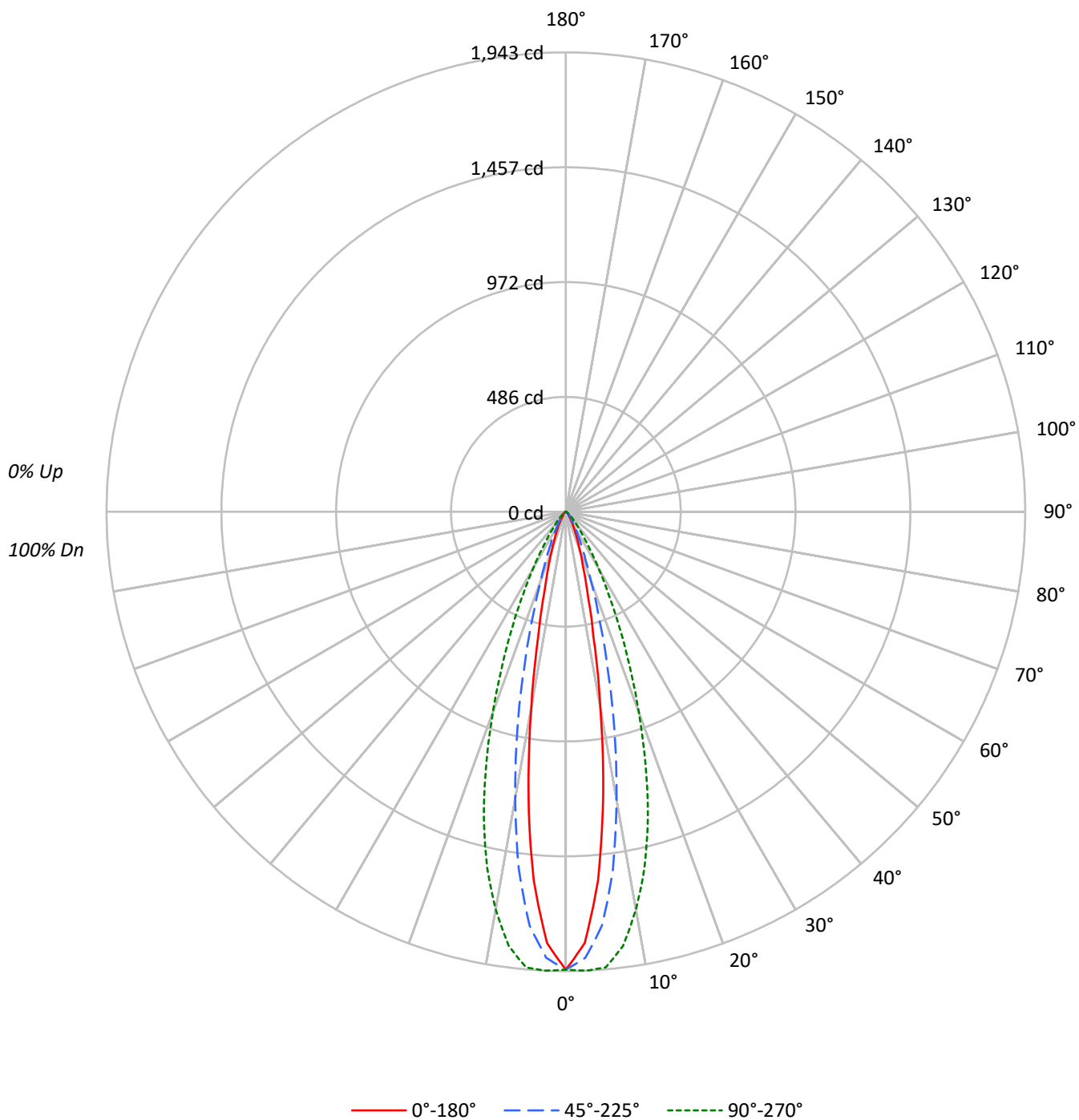
Lumens per Lamp: N/A
Luminaire Lumens: 545.8 lumens
Efficiency: N/A
Efficacy: 54.6 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91		94	92	89		92	90	88	87
4	102	95	91	87	100	94	90	87	92	89	86		90	87	85		89	86	84	83
5	98	91	86	83	97	90	86	83	89	85	82		87	84	81		86	83	81	79
6	94	87	83	79	93	87	82	79	85	81	78		84	80	78		83	80	77	76
7	91	84	79	76	90	83	79	75	82	78	75		81	77	75		80	77	74	73
8	88	81	76	73	87	80	76	72	79	75	72		78	75	72		77	74	72	70
9	85	78	73	70	84	77	73	70	76	72	70		76	72	69		75	72	69	68
10	83	75	70	67	82	75	70	67	74	70	67		73	70	67		73	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	955444	955444	955444
5°	774417	869801	957905
10°	421068	617549	855361
15°	178104	346555	684681
20°	90934	162968	473415
25°	50354	83342	288568
30°	28199	46315	157347
35°	16322	28006	80164
40°	12108	21253	44374
45°	10675	14373	26304
50°	11283	9517	14046
55°	8085	6623	7569
60°	5230	4638	4638
65°	4086	4086	4086
70°	3462	3462	3462
75°	3431	3431	3431
80°	3409	3409	3409
85°	3396	3396	3396

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 26304 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.9	27.6
10°-20°	213.4	39.1
20°-30°	109.9	20.1
30°-40°	40.4	7.4
40°-50°	17.8	3.3
50°-60°	7.8	1.4
60°-70°	3.4	0.6
70°-80°	1.7	0.3
80°-90°	0.5	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°	474.2	86.9
0°-40°	514.6	94.3
0°-60°	540.2	99.0
0°-90°	545.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	545.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1937	1937	1937	1937	1937	
5°	1564	1617	1756	1881	1934	126
15°	349	405	678	1132	1340	107
25°	92	104	153	352	530	44
35°	27	31	46	81	133	18
45°	15	18	21	25	38	12
55°	9	8	8	8	9	9
65°	4	4	4	3	4	4
75°	2	2	2	2	2	2
85°	1	1	1	1	1	0
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1936.6	1936.6	1936.6	1936.6	1936.6
2.5°	1825.8	1847.6	1888.3	1927.1	1943.0
5°	1563.7	1616.7	1756.3	1880.6	1934.2
7.5°	1210.9	1298.1	1524.3	1756.9	1852.3
10°	840.5	928.8	1232.7	1567.3	1707.4
12.5°	536.0	622.0	950.0	1357.0	1539.0
15°	348.7	405.2	678.5	1132.0	1340.5
17.5°	242.1	282.1	461.8	893.5	1120.8
20°	173.2	201.4	310.4	681.4	901.7
22.5°	125.5	144.9	215.6	497.7	700.9
25°	92.5	103.7	153.1	351.6	530.1
27.5°	68.3	75.4	110.7	242.7	387.5
30°	49.5	55.4	81.3	166.7	276.2
32.5°	35.9	41.2	60.7	115.4	192.6
35°	27.1	31.2	46.5	81.3	133.1
37.5°	22.4	24.7	38.3	58.9	94.2
40°	18.8	21.2	33.0	43.6	68.9
42.5°	16.5	19.4	27.1	32.4	51.8
45°	15.3	17.7	20.6	24.7	37.7
47.5°	15.3	14.7	15.9	18.8	26.5
50°	14.7	12.4	12.4	14.7	18.3
52.5°	12.4	10.0	10.0	10.6	12.4
55°	9.4	8.2	7.7	8.2	8.8
57.5°	7.1	7.1	6.5	5.9	6.5
60°	5.3	5.3	4.7	4.7	4.7
62.5°	4.1	4.1	4.1	3.5	4.1
65°	3.5	3.5	3.5	2.9	3.5
67.5°	2.9	2.9	2.4	2.9	2.9
70°	2.4	2.4	2.4	2.4	2.4
72.5°	1.8	1.8	1.8	1.8	1.8
75°	1.8	1.8	1.8	1.8	1.8
77.5°	1.2	1.2	1.2	1.2	1.2
80°	1.2	1.2	1.2	1.2	1.2
82.5°	0.6	0.6	0.6	0.6	0.6
85°	0.6	0.6	0.6	0.6	0.6
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)