

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: P1178659

Luminaire Tested: LDA2B108030R2040D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178659
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: LDA2B108030R2040D010 2LBD1LI
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

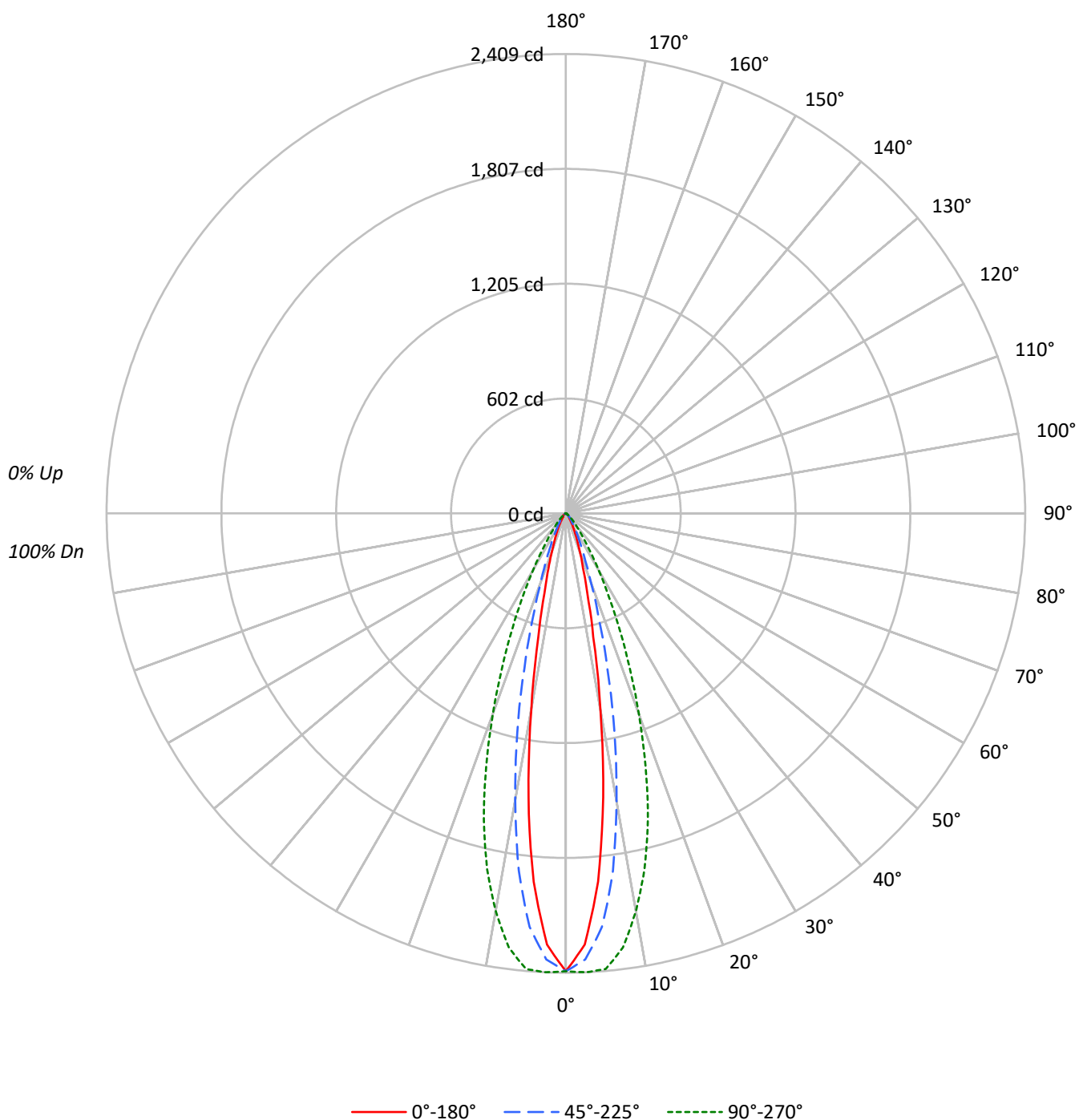
Lumens per Lamp: N/A
Luminaire Lumens: 676.7 lumens
Efficiency: N/A
Efficacy: 67.7 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1178659

CATALOG NUMBER: LDA2B108030R2040D010 2LBD1LI

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	94	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	92	89	92	90	88	88	88	87
4	102	95	91	88	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	83
5	98	91	86	83	97	90	86	83	89	85	82	87	84	81	86	83	81	81	81	79
6	94	87	83	79	93	87	82	79	85	81	78	84	80	78	83	80	77	77	77	76
7	91	84	79	76	90	83	79	75	82	78	75	81	77	75	80	77	74	74	74	73
8	88	81	76	73	87	80	76	72	79	75	72	78	75	72	77	74	72	72	72	70
9	85	78	73	70	84	77	73	70	76	72	70	76	72	69	75	72	69	69	69	68
10	83	75	70	67	82	75	70	67	74	70	67	73	70	67	73	69	67	67	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1184512	1184512	1184512
5°	960134	1078349	1187551
10°	522014	765637	1060459
15°	220804	429656	848842
20°	112723	202029	586925
25°	62384	103320	357756
30°	34922	57424	195117
35°	20237	34752	99377
40°	15070	26341	55001
45°	13257	17862	32583
50°	14046	11743	17346
55°	10064	8171	9462
60°	6512	5723	5723
65°	5137	5137	5137
70°	4183	4183	4183
75°	4194	4194	4194
80°	4262	4262	4262
85°	3962	3962	3962

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 32583 cd/sqm

TEST NUMBER: P1178659

CATALOG NUMBER: LDA2B108030R2040D010 2LBD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.1	27.6
10°-20°	264.5	39.1
20°-30°	136.3	20.1
30°-40°	50.1	7.4
40°-50°	22.0	3.3
50°-60°	9.7	1.4
60°-70°	4.2	0.6
70°-80°	2.1	0.3
80°-90°	0.6	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°	587.9	86.9
0°-40°	638.0	94.3
0°-60°	669.7	99.0
0°-90°	676.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	676.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2401	2401	2401	2401	2401	
5°	1939	2004	2177	2332	2398	156
15°	432	502	841	1403	1662	132
25°	115	128	190	436	657	55
35°	34	39	58	101	165	23
45°	19	22	26	31	47	15
55°	12	10	10	10	11	11
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CATALOG NUMBER: LDA2B108030R2040D010 2LBD1LI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2400.9	2400.9	2400.9	2400.9	2400.9
2.5°	2263.6	2290.6	2341.0	2389.2	2408.9
5°	1938.7	2004.4	2177.4	2331.5	2397.9
7.5°	1501.3	1609.3	1889.7	2178.2	2296.4
10°	1042.0	1151.5	1528.3	1943.0	2116.8
12.5°	664.5	771.1	1177.8	1682.4	1908.0
15°	432.3	502.4	841.2	1403.4	1661.9
17.5°	300.1	349.8	572.5	1107.7	1389.6
20°	214.7	249.7	384.8	844.8	1117.9
22.5°	155.5	179.6	267.2	617.0	868.9
25°	114.6	128.5	189.8	435.9	657.2
27.5°	84.7	93.5	137.3	300.8	480.5
30°	61.3	68.6	100.8	206.6	342.5
32.5°	44.5	51.1	75.2	143.1	238.8
35°	33.6	38.7	57.7	100.8	165.0
37.5°	27.7	30.7	47.5	73.0	116.8
40°	23.4	26.3	40.9	54.0	85.4
42.5°	20.4	24.1	33.6	40.2	64.3
45°	19.0	21.9	25.6	30.7	46.7
47.5°	19.0	18.3	19.7	23.4	32.9
50°	18.3	15.3	15.3	18.3	22.6
52.5°	15.3	12.4	12.4	13.1	15.3
55°	11.7	10.2	9.5	10.2	11.0
57.5°	8.8	8.8	8.0	7.3	8.0
60°	6.6	6.6	5.8	5.8	5.8
62.5°	5.1	5.1	5.1	4.4	5.1
65°	4.4	4.4	4.4	3.7	4.4
67.5°	3.7	3.7	2.9	3.7	3.7
70°	2.9	2.9	2.9	2.9	2.9
72.5°	2.2	2.2	2.2	2.2	2.2
75°	2.2	2.2	2.2	2.2	2.2
77.5°	1.5	1.5	1.5	1.5	1.5
80°	1.5	1.5	1.5	1.5	1.5
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.7	0.7	0.7	0.7	0.7
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)