

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: P1179936

Luminaire Tested: LDA2B209035R2040D010 2LBD1H

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179936
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: LDA2B209035R2040D010 2LBD1H
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

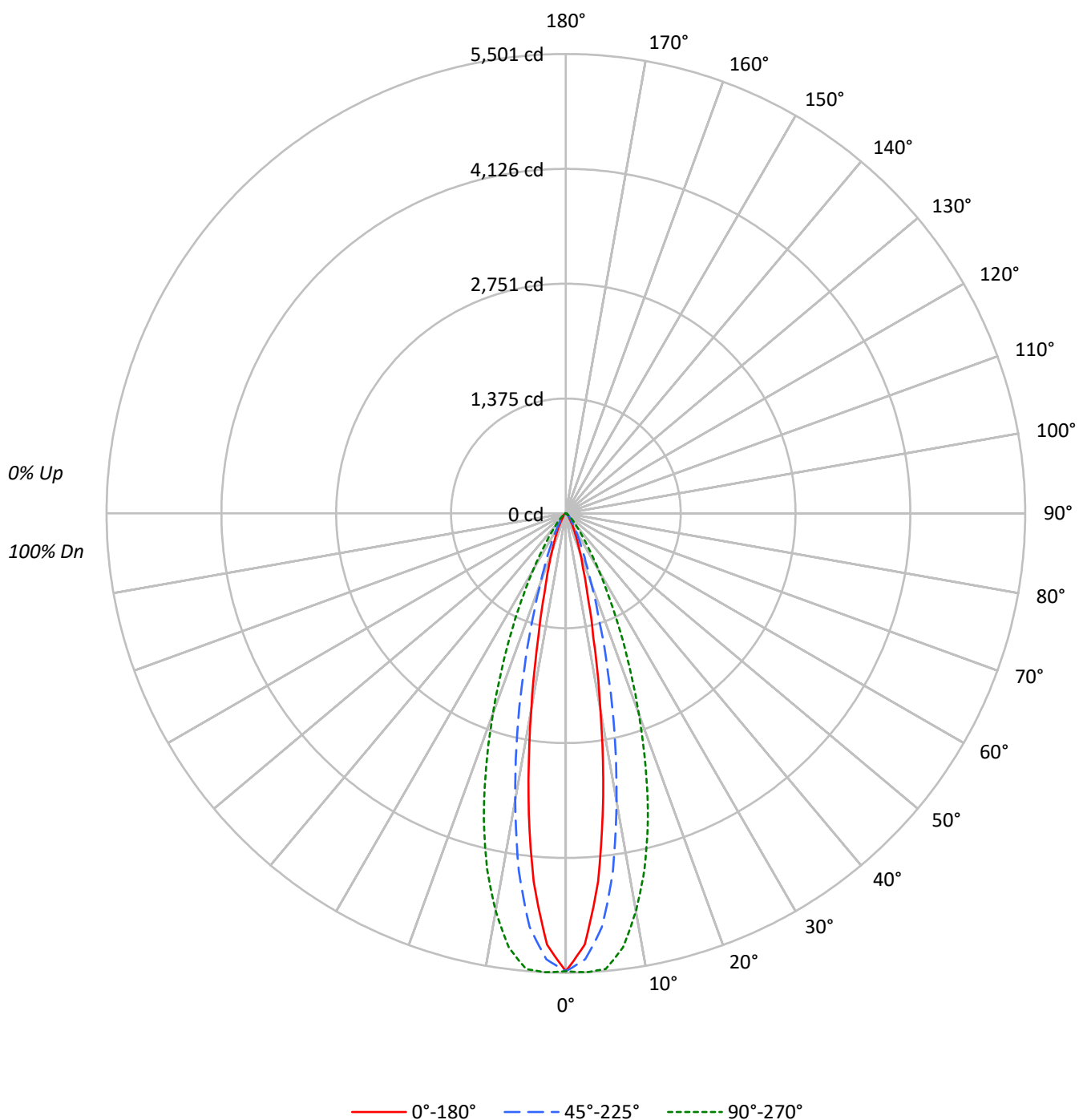
Lumens per Lamp: N/A
Luminaire Lumens: 1545.1 lumens
Efficiency: N/A
Efficacy: 75.0 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 20.6
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	88	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°	2704757	2704757	2704757
5°	2192406	2462414	2711820
10°	1191964	1748294	2421552
15°	504177	981079	1938356
20°	257367	461339	1340283
25°	142515	235982	816873
30°	79813	131085	445494
35°	46195	79321	226940
40°	34392	60153	125652
45°	30281	40747	74447
50°	32006	26864	39682
55°	22966	18665	21504
60°	14801	13123	13123
65°	11674	11674	11674
70°	9665	9665	9665
75°	9531	9531	9531
80°	9376	9376	9376
85°	9623	9623	9623

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 74447 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	427.2	27.6
10°-20°	604.1	39.1
20°-30°	311.2	20.1
30°-40°	114.5	7.4
40°-50°	50.3	3.3
50°-60°	22.0	1.4
60°-70°	9.7	0.6
70°-80°	4.8	0.3
80°-90°	1.4	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°	1342.4	86.9
0°-40°	1456.9	94.3
0°-60°	1529.3	99.0
0°-90°	1545.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1545.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5482	5482	5482	5482	5482	
5°	4427	4577	4972	5324	5476	356
15°	987	1147	1921	3205	3795	302
25°	262	294	434	995	1501	126
35°	77	88	132	230	377	52
45°	43	50	58	70	107	35
55°	27	23	22	23	25	24
65°	10	10	10	8	10	10
75°	5	5	5	5	5	5
85°	2	2	2	2	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5482.3	5482.3	5482.3	5482.3	5482.3
2.5°	5168.9	5230.6	5345.6	5455.7	5500.7
5°	4426.9	4577.0	4972.1	5323.9	5475.7
7.5°	3428.1	3674.9	4315.2	4973.8	5243.9
10°	2379.3	2629.5	3489.8	4436.9	4833.7
12.5°	1517.3	1760.8	2689.5	3841.6	4356.9
15°	987.1	1147.2	1920.8	3204.7	3795.0
17.5°	685.3	798.7	1307.2	2529.4	3173.0
20°	490.2	570.2	878.7	1929.2	2552.8
22.5°	355.2	410.2	610.3	1408.9	1984.2
25°	261.8	293.5	433.5	995.4	1500.6
27.5°	193.4	213.4	313.5	687.0	1097.1
30°	140.1	156.7	230.1	471.9	782.0
32.5°	101.7	116.7	171.7	326.8	545.2
35°	76.7	88.4	131.7	230.1	376.8
37.5°	63.4	70.0	108.4	166.7	266.8
40°	53.4	60.0	93.4	123.4	195.1
42.5°	46.7	55.0	76.7	91.7	146.7
45°	43.4	50.0	58.4	70.0	106.7
47.5°	43.4	41.7	45.0	53.4	75.0
50°	41.7	35.0	35.0	41.7	51.7
52.5°	35.0	28.3	28.3	30.0	35.0
55°	26.7	23.3	21.7	23.3	25.0
57.5°	20.0	20.0	18.3	16.7	18.3
60°	15.0	15.0	13.3	13.3	13.3
62.5°	11.7	11.7	11.7	10.0	11.7
65°	10.0	10.0	10.0	8.3	10.0
67.5°	8.3	8.3	6.7	8.3	8.3
70°	6.7	6.7	6.7	6.7	6.7
72.5°	5.0	5.0	5.0	5.0	5.0
75°	5.0	5.0	5.0	5.0	5.0
77.5°	3.3	3.3	3.3	3.3	3.3
80°	3.3	3.3	3.3	3.3	3.3
82.5°	1.7	1.7	1.7	1.7	1.7
85°	1.7	1.7	1.7	1.7	1.7
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)