

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: P1179717

Luminaire Tested: LDA2B208035R2050D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179717
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: LDA2B208035R2050D010 2LBD1LI
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

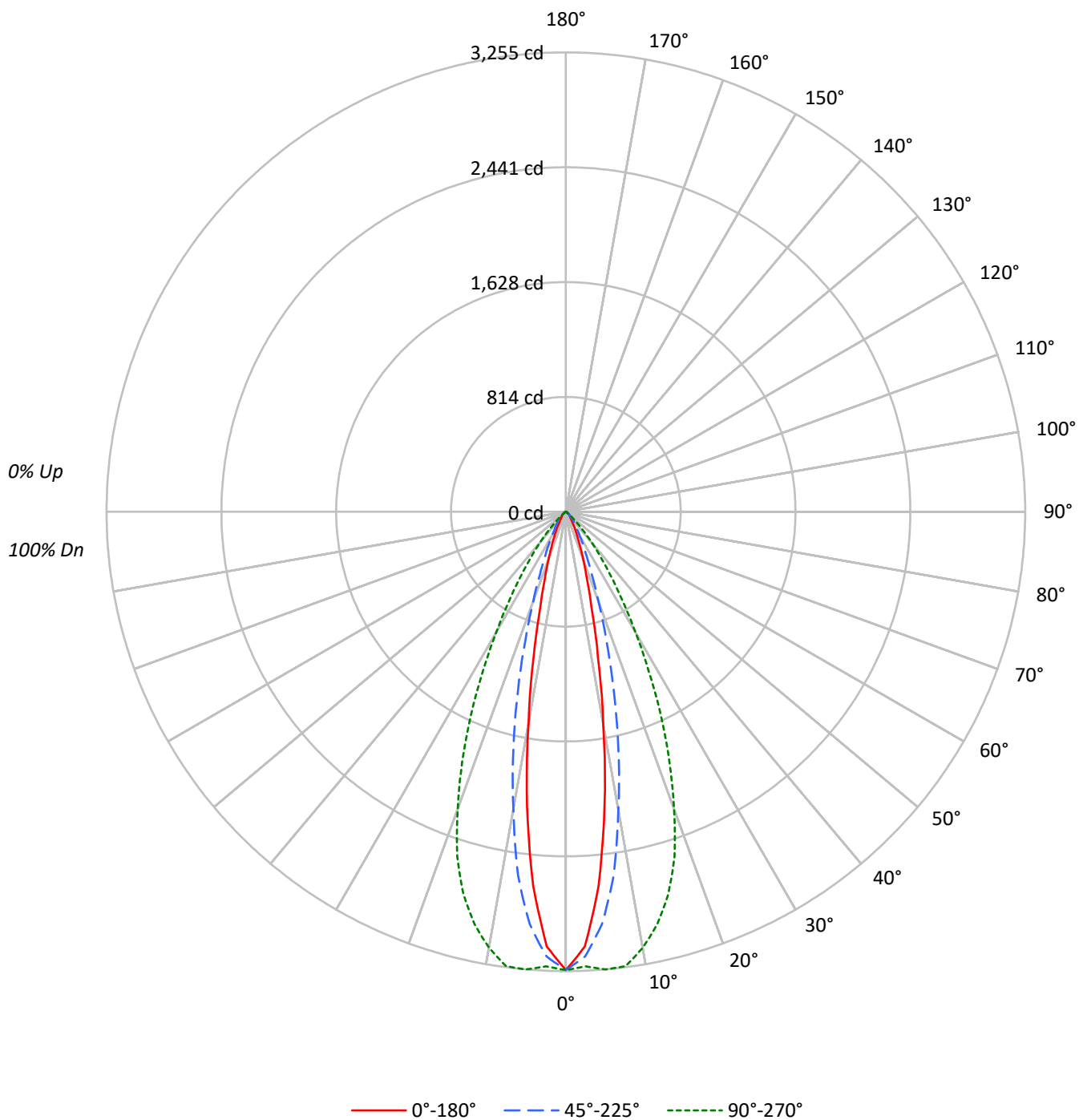
Lumens per Lamp: N/A
Luminaire Lumens: 1167.2 lumens
Efficiency: N/A
Efficacy: 56.7 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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
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	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1601946	1601946	1601946
5°	1317058	1453152	1612126
10°	764484	1073835	1571752
15°	356157	668797	1432340
20°	187696	352607	1177263
25°	103919	190909	868316
30°	60956	111829	561596
35°	39148	75045	332762
40°	30527	50557	184903
45°	26444	30211	82191
50°	23870	20800	30164
55°	16343	15139	13934
60°	12038	10657	10657
65°	9456	7938	9456
70°	7789	7789	7789
75°	7815	7815	7815
80°	7671	7671	7671
85°	7925	7925	7925

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 82191 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.5	22.1
10°-20°	423.3	36.3
20°-30°	282.4	24.2
30°-40°	127.3	10.9
40°-50°	46.6	4.0
50°-60°	16.3	1.4
60°-70°	7.6	0.7
70°-80°	4.0	0.3
80°-90°	1.1	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°	964.2	82.6
0°-40°	1091.5	93.5
0°-60°	1154.4	98.9
0°-90°	1167.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1167.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3247	3247	3247	3247	3247	
5°	2659	2742	2934	3148	3255	217
15°	697	819	1309	2212	2804	209
25°	191	222	351	956	1595	92
35°	65	73	125	270	552	43
45°	38	38	43	68	118	30
55°	19	18	18	15	16	18
65°	8	8	7	7	8	8
75°	4	4	4	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3247.0	3247.0	3247.0	3247.0	3247.0
2.5°	3083.2	3115.7	3153.6	3192.9	3224.0
5°	2659.4	2742.0	2934.2	3148.2	3255.2
7.5°	2102.9	2224.7	2598.4	3020.9	3247.0
10°	1526.0	1681.7	2143.5	2800.2	3137.4
12.5°	1049.4	1195.6	1719.7	2521.3	2992.5
15°	697.3	819.2	1309.4	2212.5	2804.3
17.5°	491.5	574.1	951.9	1875.4	2561.9
20°	357.5	413.0	671.6	1545.0	2242.3
22.5°	260.0	302.0	478.0	1234.9	1918.7
25°	190.9	222.1	350.7	956.0	1595.1
27.5°	142.2	166.5	262.7	725.8	1271.5
30°	107.0	127.3	196.3	534.9	985.8
32.5°	82.6	96.1	150.3	381.8	746.1
35°	65.0	73.1	124.6	269.5	552.5
37.5°	54.2	59.6	102.9	188.2	404.9
40°	47.4	51.5	78.5	134.1	287.1
42.5°	42.0	44.7	56.9	96.1	186.9
45°	37.9	37.9	43.3	67.7	117.8
47.5°	35.2	31.1	33.9	47.4	69.1
50°	31.1	25.7	27.1	32.5	39.3
52.5°	24.4	21.7	21.7	21.7	23.0
55°	19.0	17.6	17.6	14.9	16.2
57.5°	14.9	14.9	13.5	12.2	13.5
60°	12.2	12.2	10.8	9.5	10.8
62.5°	9.5	9.5	8.1	8.1	9.5
65°	8.1	8.1	6.8	6.8	8.1
67.5°	6.8	6.8	6.8	5.4	6.8
70°	5.4	5.4	5.4	5.4	5.4
72.5°	4.1	4.1	5.4	4.1	4.1
75°	4.1	4.1	4.1	4.1	4.1
77.5°	2.7	2.7	2.7	2.7	2.7
80°	2.7	2.7	2.7	2.7	2.7
82.5°	1.4	1.4	1.4	1.4	1.4
85°	1.4	1.4	1.4	1.4	1.4
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)