

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: P1179755

Luminaire Tested: LDA2B208040R2050D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179755
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: LDA2B208040R2050D010 2LBD1LI
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

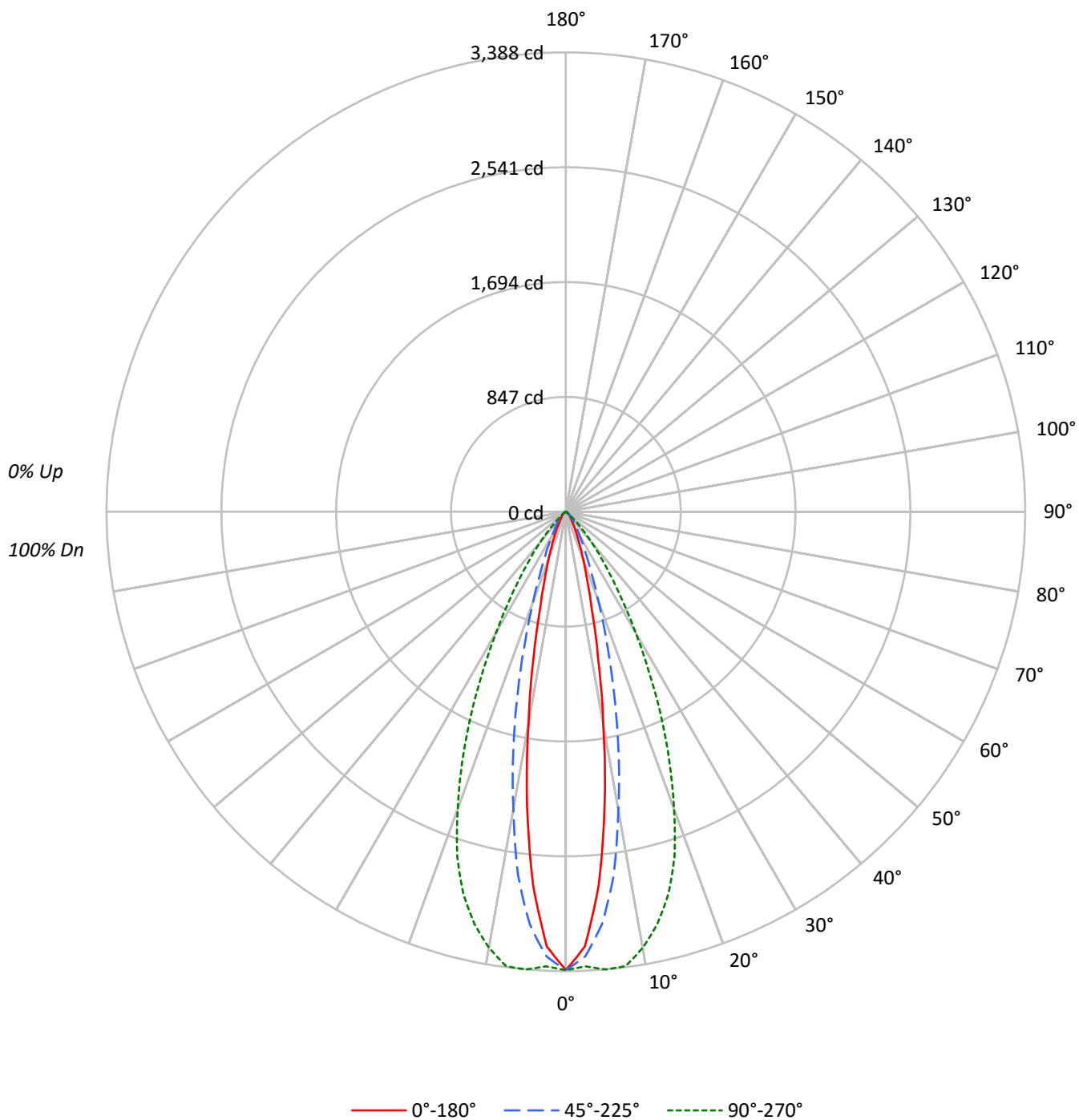
Lumens per Lamp: N/A
Luminaire Lumens: 1214.9 lumens
Efficiency: N/A
Efficacy: 59.0 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	1667464	1667464	1667464
5°	1370891	1512631	1678043
10°	795745	1117720	1636027
15°	370765	696123	1490925
20°	195362	367045	1225408
25°	108165	198693	903808
30°	63406	116444	584554
35°	40775	78116	346373
40°	31751	52618	192439
45°	27560	31467	85540
50°	24868	21644	31392
55°	16945	15741	14537
60°	12531	11150	11150
65°	9923	8172	9923
70°	8078	8078	8078
75°	8006	8006	8006
80°	7955	7955	7955
85°	7925	7925	7925

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 85540 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	269.1	22.2
10°-20°	440.6	36.3
20°-30°	293.9	24.2
30°-40°	132.5	10.9
40°-50°	48.5	4.0
50°-60°	17.0	1.4
60°-70°	7.9	0.7
70°-80°	4.2	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°	1003.7	82.6
0°-40°	1136.2	93.5
0°-60°	1201.7	98.9
0°-90°	1214.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1214.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3380	3380	3380	3380	3380	
5°	2768	2854	3054	3277	3388	226
15°	726	853	1363	2303	2919	217
25°	199	231	365	995	1660	96
35°	68	76	130	280	575	45
45°	40	40	45	70	123	31
55°	20	18	18	16	17	18
65°	8	8	7	7	8	9
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°	3379.8	3379.8	3379.8	3379.8	3379.8
2.5°	3209.3	3243.1	3282.6	3323.5	3355.9
5°	2768.1	2854.1	3054.3	3276.9	3388.3
7.5°	2188.9	2315.7	2704.7	3144.5	3379.8
10°	1588.4	1750.5	2231.1	2914.7	3265.7
12.5°	1092.3	1244.5	1790.0	2624.4	3114.9
15°	725.9	852.7	1362.9	2303.0	2919.0
17.5°	511.6	597.6	990.8	1952.1	2666.7
20°	372.1	429.9	699.1	1608.2	2334.0
22.5°	270.6	314.3	497.5	1285.4	1997.2
25°	198.7	231.1	365.0	995.1	1660.3
27.5°	148.0	173.4	273.4	755.5	1323.5
30°	111.3	132.5	204.4	556.7	1026.1
32.5°	86.0	100.1	156.4	397.5	776.6
35°	67.7	76.1	129.7	280.5	575.1
37.5°	56.4	62.0	107.1	195.9	421.4
40°	49.3	53.6	81.7	139.5	298.8
42.5°	43.7	46.5	59.2	100.1	194.5
45°	39.5	39.5	45.1	70.5	122.6
47.5°	36.6	32.4	35.2	49.3	71.9
50°	32.4	26.8	28.2	33.8	40.9
52.5°	25.4	22.6	22.6	22.6	24.0
55°	19.7	18.3	18.3	15.5	16.9
57.5°	15.5	15.5	14.1	12.7	14.1
60°	12.7	12.7	11.3	9.9	11.3
62.5°	9.9	9.9	8.5	8.5	9.9
65°	8.5	8.5	7.0	7.0	8.5
67.5°	7.0	7.0	7.0	5.6	7.0
70°	5.6	5.6	5.6	5.6	5.6
72.5°	4.2	4.2	5.6	4.2	4.2
75°	4.2	4.2	4.2	4.2	4.2
77.5°	2.8	2.8	2.8	2.8	2.8
80°	2.8	2.8	2.8	2.8	2.8
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)