

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: P1179674

Luminaire Tested: LDA2B208030R2040D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179674
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: LDA2B208030R2040D010 2LBDC1MB
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

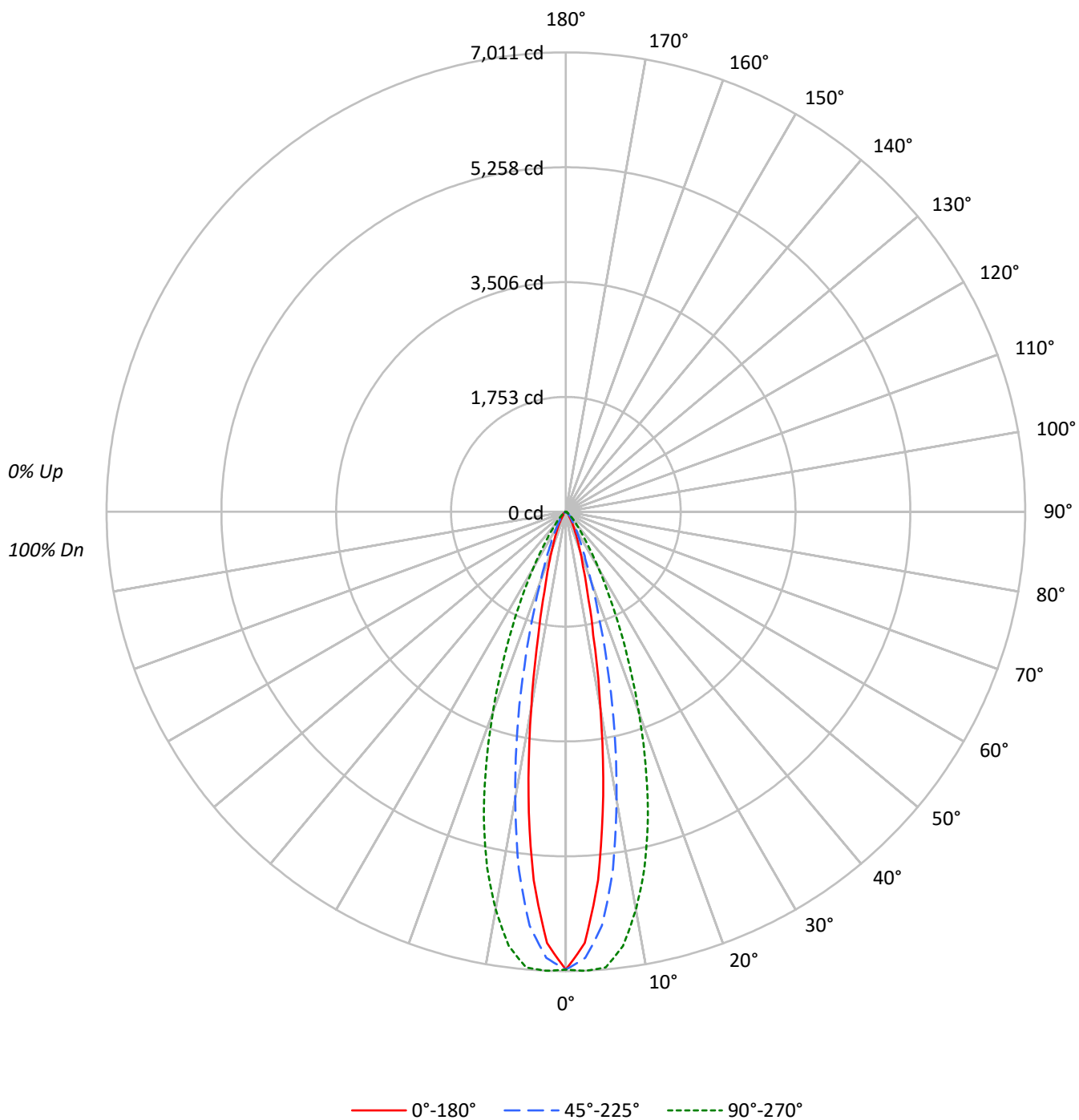
Lumens per Lamp: N/A
Luminaire Lumens: 1969.5 lumens
Efficiency: N/A
Efficacy: 95.6 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P1179674

CATALOG NUMBER: LDA2B208030R2040D010 2LBDC1MB

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°	3447612	3447612	3447612
5°	2794527	3138723	3456572
10°	1519350	2228477	3086643
15°	642645	1250559	2470676
20°	328035	588028	1708378
25°	181654	300816	1041260
30°	101689	167089	567862
35°	58903	101123	289277
40°	43795	76641	160172
45°	38584	51910	94890
50°	40756	34232	50581
55°	29245	23740	27439
60°	18846	16774	16774
65°	14943	14943	14943
70°	12261	12261	12261
75°	12200	12200	12200
80°	12217	12217	12217
85°	11887	11887	11887

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 94890 cd/sqm

TEST NUMBER: P1179674

CATALOG NUMBER: LDA2B208030R2040D010 2LBDC1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	544.5	27.6
10°-20°	770.0	39.1
20°-30°	396.6	20.1
30°-40°	146.0	7.4
40°-50°	64.1	3.3
50°-60°	28.1	1.4
60°-70°	12.3	0.6
70°-80°	6.2	0.3
80°-90°	1.7	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°	1711.1	86.9
0°-40°	1857.1	94.3
0°-60°	1949.3	99.0
0°-90°	1969.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1969.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	6988	6988	6988	6988	6988	
5°	5643	5834	6338	6786	6980	454
15°	1258	1462	2448	4085	4837	385
25°	334	374	553	1269	1913	160
35°	98	113	168	293	480	66
45°	55	64	74	89	136	45
55°	34	30	28	30	32	31
65°	13	13	13	11	13	13
75°	6	6	6	6	6	6
85°	2	2	2	2	2	2
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	6988.0	6988.0	6988.0	6988.0	6988.0
2.5°	6588.5	6667.1	6813.8	6954.0	7011.4
5°	5642.7	5834.0	6337.7	6786.1	6979.5
7.5°	4369.6	4684.2	5500.3	6339.8	6684.1
10°	3032.8	3351.6	4448.3	5655.5	6161.3
12.5°	1934.0	2244.3	3428.1	4896.7	5553.4
15°	1258.2	1462.2	2448.4	4084.9	4837.2
17.5°	873.5	1018.0	1666.2	3224.1	4044.5
20°	624.8	726.9	1120.0	2459.0	3253.9
22.5°	452.7	522.8	777.9	1795.9	2529.1
25°	333.7	374.1	552.6	1268.8	1912.8
27.5°	246.5	272.0	399.6	875.6	1398.5
30°	178.5	199.8	293.3	601.5	996.8
32.5°	129.6	148.8	218.9	416.6	695.0
35°	97.8	112.6	167.9	293.3	480.3
37.5°	80.8	89.3	138.1	212.5	340.1
40°	68.0	76.5	119.0	157.3	248.7
42.5°	59.5	70.1	97.8	116.9	187.0
45°	55.3	63.8	74.4	89.3	136.0
47.5°	55.3	53.1	57.4	68.0	95.6
50°	53.1	44.6	44.6	53.1	65.9
52.5°	44.6	36.1	36.1	38.3	44.6
55°	34.0	29.8	27.6	29.8	31.9
57.5°	25.5	25.5	23.4	21.3	23.4
60°	19.1	19.1	17.0	17.0	17.0
62.5°	14.9	14.9	14.9	12.8	14.9
65°	12.8	12.8	12.8	10.6	12.8
67.5°	10.6	10.6	8.5	10.6	10.6
70°	8.5	8.5	8.5	8.5	8.5
72.5°	6.4	6.4	6.4	6.4	6.4
75°	6.4	6.4	6.4	6.4	6.4
77.5°	4.3	4.3	4.3	4.3	4.3
80°	4.3	4.3	4.3	4.3	4.3
82.5°	2.1	2.1	2.1	2.1	2.1
85°	2.1	2.1	2.1	2.1	2.1
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)