

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: P1179712

Luminaire Tested: LDA2B208035R2040D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179712
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: LDA2B208035R2040D010 2LBDC1MB
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

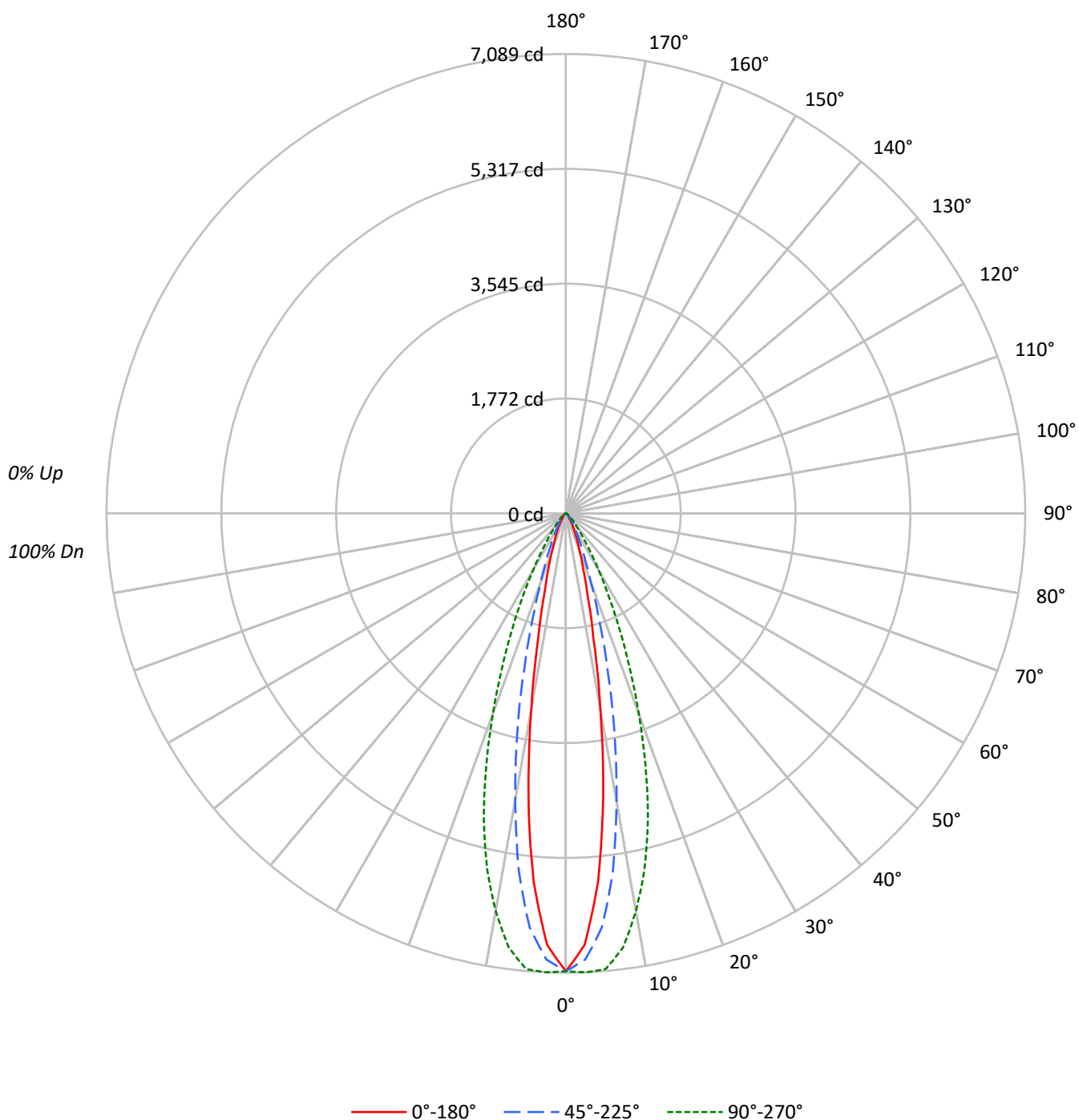
Lumens per Lamp: N/A
Luminaire Lumens: 1991.3 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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: P1179712

CATALOG NUMBER: LDA2B208035R2040D010 2LBDC1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1179712

CATALOG NUMBER: LDA2B208035R2040D010 2LBDC1MB

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	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95
3	106	100	96	93	104	99	95	92	96	93	91		94	92	89		92
4	102	95	91	88	100	94	90	87	92	89	86		90	87	85		89
5	98	91	86	83	97	90	86	83	89	85	82		87	84	81		86
6	95	87	83	79	93	87	82	79	85	81	78		84	80	78		83
7	91	84	79	76	90	83	79	75	82	78	75		81	77	75		80
8	88	81	76	73	87	80	76	72	79	75	72		78	75	72		77
9	85	78	73	70	84	77	73	70	76	72	70		76	72	69		75
10	83	75	70	67	82	75	70	67	74	70	67		73	70	67		73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3485897	3485897	3485897
5°	2825529	3173539	3494953
10°	1536233	2253175	3120859
15°	649745	1264401	2498104
20°	331711	594590	1727331
25°	183669	304136	1052801
30°	102828	168912	574129
35°	59506	102268	292529
40°	44310	77478	161911
45°	39002	52468	95936
50°	41217	34616	51118
55°	29589	23998	27697
60°	19044	16972	16972
65°	15059	15059	15059
70°	12405	12405	12405
75°	12200	12200	12200
80°	12217	12217	12217
85°	11887	11887	11887

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 95936 cd/sqm

TEST NUMBER: P1179712

CATALOG NUMBER: LDA2B208035R2040D010 2LBDC1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	550.5	27.6
10°-20°	778.5	39.1
20°-30°	401.0	20.1
30°-40°	147.6	7.4
40°-50°	64.8	3.3
50°-60°	28.4	1.4
60°-70°	12.4	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°	1730.1	86.9
0°-40°	1877.7	94.3
0°-60°	1970.9	99.0
0°-90°	1991.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1991.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	7066	7066	7066	7066	7066	
5°	5705	5899	6408	6861	7057	459
15°	1272	1478	2476	4130	4891	389
25°	337	378	559	1283	1934	162
35°	99	114	170	296	486	67
45°	56	64	75	90	138	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	

TEST NUMBER: P1179712

CATALOG NUMBER: LDA2B208035R2040D010 2LBDC1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	7065.6	7065.6	7065.6	7065.6	7065.6
2.5°	6661.6	6741.1	6889.4	7031.2	7089.2
5°	5705.3	5898.7	6408.0	6861.4	7057.0
7.5°	4418.1	4736.2	5561.3	6410.2	6758.3
10°	3066.5	3388.8	4497.6	5718.2	6229.6
12.5°	1955.5	2269.2	3466.2	4951.1	5615.1
15°	1272.1	1478.4	2475.5	4130.2	4890.9
17.5°	883.2	1029.3	1684.7	3259.9	4089.3
20°	631.8	734.9	1132.5	2486.3	3290.0
22.5°	457.7	528.6	786.5	1815.8	2557.2
25°	337.4	378.2	558.7	1282.9	1934.0
27.5°	249.3	275.1	404.0	885.3	1414.0
30°	180.5	202.0	296.5	608.1	1007.8
32.5°	131.1	150.4	221.3	421.2	702.7
35°	98.8	113.9	169.8	296.5	485.7
37.5°	81.7	90.3	139.7	214.9	343.8
40°	68.8	77.4	120.3	159.0	251.4
42.5°	60.2	70.9	98.8	118.2	189.1
45°	55.9	64.5	75.2	90.3	137.5
47.5°	55.9	53.7	58.0	68.8	96.7
50°	53.7	45.1	45.1	53.7	66.6
52.5°	45.1	36.5	36.5	38.7	45.1
55°	34.4	30.1	27.9	30.1	32.2
57.5°	25.8	25.8	23.6	21.5	23.6
60°	19.3	19.3	17.2	17.2	17.2
62.5°	15.0	15.0	15.0	12.9	15.0
65°	12.9	12.9	12.9	10.7	12.9
67.5°	10.7	10.7	8.6	10.7	10.7
70°	8.6	8.6	8.6	8.6	8.6
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)