

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: P1179628

Luminaire Tested: LDA2B208027R2040D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179628
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: LDA2B208027R2040D010 2LBD1LI
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

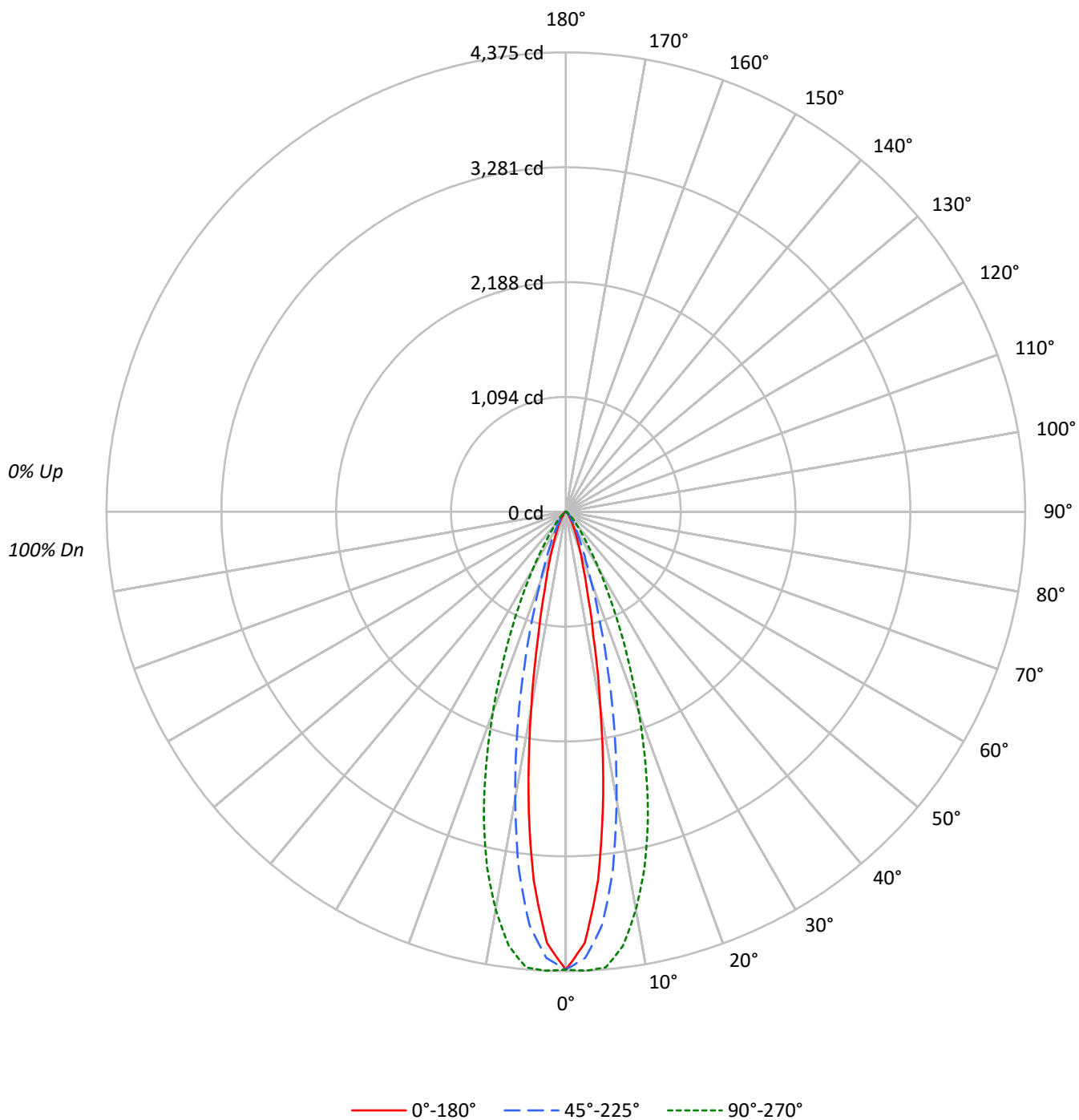
Lumens per Lamp: N/A
Luminaire Lumens: 1228.9 lumens
Efficiency: N/A
Efficacy: 59.7 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P1179628

CATALOG NUMBER: LDA2B208027R2040D010 2LBD1LI

Luminous Intensity Polar Plot



TEST NUMBER: P1179628

CATALOG NUMBER: LDA2B208027R2040D010 2LBD1LI

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	30	10	50	30	10
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100	99	99
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	94	93
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	94	92	91	90	89
3	106	100	96	93	104	99	95	92	96	93	91	94	92	89	92	90	88	87	86	85
4	102	95	91	88	100	94	90	87	92	89	86	90	87	85	89	86	84	83	82	81
5	98	91	86	83	97	90	86	83	89	85	82	87	84	81	86	83	81	79	78	77
6	94	87	83	79	93	87	82	79	85	81	78	84	80	78	83	80	77	76	75	74
7	91	84	79	76	90	83	79	75	82	78	75	81	77	75	80	77	74	73	72	71
8	88	81	76	73	87	80	76	72	79	75	72	78	75	72	77	74	72	70	69	68
9	85	78	73	70	84	77	73	70	76	72	70	76	72	69	75	72	69	68	67	66
10	83	75	70	67	82	75	70	67	74	70	67	73	70	67	73	69	67	66	65	64

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2151205	2151205	2151205
5°	1743663	1958452	2156798
10°	948041	1390500	1925939
15°	401002	780297	1541593
20°	204707	366940	1065958
25°	113337	187697	649699
30°	63463	104252	354287
35°	36739	63119	180504
40°	27307	47852	99955
45°	24071	32374	59236
50°	25482	21337	31546
55°	18235	14795	17117
60°	11742	10459	10459
65°	9339	9339	9339
70°	7645	7645	7645
75°	7625	7625	7625
80°	7671	7671	7671
85°	7359	7359	7359

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 59236 cd/sqm

TEST NUMBER: P1179628

CATALOG NUMBER: LDA2B208027R2040D010 2LBD1LI

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	339.7	27.6
10°-20°	480.4	39.1
20°-30°	247.5	20.1
30°-40°	91.1	7.4
40°-50°	40.0	3.3
50°-60°	17.5	1.4
60°-70°	7.7	0.6
70°-80°	3.9	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°	1067.7	86.9
0°-40°	1158.7	94.3
0°-60°	1216.3	99.0
0°-90°	1228.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1228.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4360	4360	4360	4360	4360	
5°	3521	3640	3954	4234	4355	283
15°	785	912	1528	2549	3018	240
25°	208	233	345	792	1194	100
35°	61	70	105	183	300	41
45°	34	40	46	56	85	28
55°	21	19	17	19	20	19
65°	8	8	8	7	8	8
75°	4	4	4	4	4	4
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

TEST NUMBER: P1179628

CATALOG NUMBER: LDA2B208027R2040D010 2LBD1LI

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4360.3	4360.3	4360.3	4360.3	4360.3
2.5°	4111.0	4160.0	4251.5	4339.1	4374.9
5°	3520.8	3640.2	3954.5	4234.3	4355.0
7.5°	2726.5	2922.8	3432.0	3955.8	4170.6
10°	1892.4	2091.3	2775.6	3528.8	3844.4
12.5°	1206.8	1400.4	2139.0	3055.4	3465.1
15°	785.1	912.4	1527.7	2548.8	3018.2
17.5°	545.0	635.2	1039.7	2011.7	2523.6
20°	389.9	453.5	698.9	1534.3	2030.3
22.5°	282.5	326.2	485.4	1120.6	1578.1
25°	208.2	233.4	344.8	791.7	1193.5
27.5°	153.8	169.7	249.3	546.4	872.6
30°	111.4	124.7	183.0	375.3	621.9
32.5°	80.9	92.8	136.6	259.9	433.6
35°	61.0	70.3	104.8	183.0	299.7
37.5°	50.4	55.7	86.2	132.6	212.2
40°	42.4	47.7	74.3	98.1	155.2
42.5°	37.1	43.8	61.0	72.9	116.7
45°	34.5	39.8	46.4	55.7	84.9
47.5°	34.5	33.2	35.8	42.4	59.7
50°	33.2	27.8	27.8	33.2	41.1
52.5°	27.8	22.5	22.5	23.9	27.8
55°	21.2	18.6	17.2	18.6	19.9
57.5°	15.9	15.9	14.6	13.3	14.6
60°	11.9	11.9	10.6	10.6	10.6
62.5°	9.3	9.3	9.3	8.0	9.3
65°	8.0	8.0	8.0	6.6	8.0
67.5°	6.6	6.6	5.3	6.6	6.6
70°	5.3	5.3	5.3	5.3	5.3
72.5°	4.0	4.0	4.0	4.0	4.0
75°	4.0	4.0	4.0	4.0	4.0
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°	1.3	1.3	1.3	1.3	1.3
85°	1.3	1.3	1.3	1.3	1.3
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)