

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: P1179856

Luminaire Tested: LDA2B209027R2040D010 2LBD1B

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179856
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: LDA2B209027R2040D010 2LBD1B
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

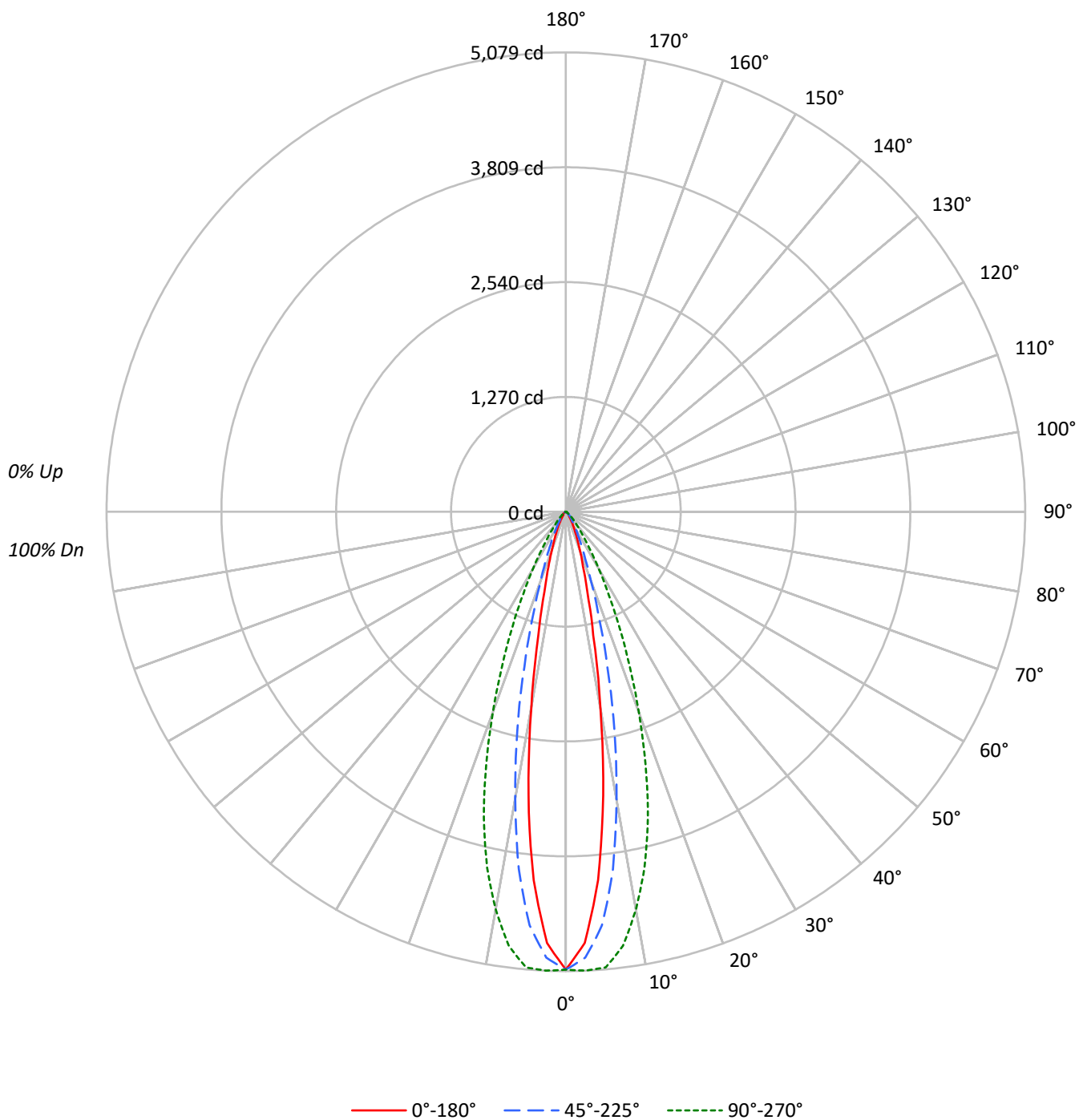
Lumens per Lamp: N/A
Luminaire Lumens: 1426.6 lumens
Efficiency: N/A
Efficacy: 69.3 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P1179856

CATALOG NUMBER: LDA2B209027R2040D010 2LBD1B

Luminous Intensity Polar Plot



TEST NUMBER: P1179856

CATALOG NUMBER: LDA2B209027R2040D010 2LBD1B

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°	2497200	2497200	2497200
5°	2024171	2273478	2503718
10°	1100537	1614134	2235741
15°	465461	905792	1789570
20°	237626	425952	1237431
25°	131573	217909	754217
30°	73660	121001	411313
35°	42642	73238	209534
40°	31751	55516	115991
45°	27909	37607	68725
50°	29550	24791	36611
55°	21160	17203	19869
60°	13715	12137	12137
65°	10740	10740	10740
70°	8943	8943	8943
75°	8769	8769	8769
80°	8808	8808	8808
85°	8491	8491	8491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 68725 cd/sqm

TEST NUMBER: P1179856

CATALOG NUMBER: LDA2B209027R2040D010 2LBD1B

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	394.4	27.6
10°-20°	557.7	39.1
20°-30°	287.3	20.1
30°-40°	105.7	7.4
40°-50°	46.5	3.3
50°-60°	20.4	1.4
60°-70°	8.9	0.6
70°-80°	4.5	0.3
80°-90°	1.2	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°	1239.4	86.9
0°-40°	1345.1	94.3
0°-60°	1411.9	99.0
0°-90°	1426.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1426.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5062	5062	5062	5062	5062	
5°	4087	4226	4591	4915	5056	329
15°	911	1059	1773	2959	3504	279
25°	242	271	400	919	1386	116
35°	71	82	122	212	348	48
45°	40	46	54	65	98	32
55°	25	22	20	22	23	23
65°	9	9	9	8	9	9
75°	5	5	5	5	5	4
85°	2	2	2	2	2	1
90°	0	0	0	0	0	

TEST NUMBER: P1179856

CATALOG NUMBER: LDA2B209027R2040D010 2LBD1B

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5061.6	5061.6	5061.6	5061.6	5061.6
2.5°	4772.2	4829.2	4935.4	5037.0	5078.6
5°	4087.2	4225.7	4590.6	4915.4	5055.5
7.5°	3165.1	3392.9	3984.0	4592.1	4841.5
10°	2196.8	2427.7	3222.0	4096.4	4462.8
12.5°	1400.9	1625.6	2483.1	3546.8	4022.5
15°	911.3	1059.1	1773.4	2958.8	3503.7
17.5°	632.7	737.4	1206.9	2335.3	2929.5
20°	452.6	526.5	811.3	1781.1	2356.9
22.5°	327.9	378.7	563.4	1300.8	1831.9
25°	241.7	270.9	400.3	919.0	1385.5
27.5°	178.6	197.0	289.4	634.2	1012.9
30°	129.3	144.7	212.4	435.7	722.0
32.5°	93.9	107.8	158.6	301.7	503.4
35°	70.8	81.6	121.6	212.4	347.9
37.5°	58.5	64.7	100.1	153.9	246.3
40°	49.3	55.4	86.2	113.9	180.1
42.5°	43.1	50.8	70.8	84.7	135.5
45°	40.0	46.2	53.9	64.7	98.5
47.5°	40.0	38.5	41.6	49.3	69.3
50°	38.5	32.3	32.3	38.5	47.7
52.5°	32.3	26.2	26.2	27.7	32.3
55°	24.6	21.6	20.0	21.6	23.1
57.5°	18.5	18.5	16.9	15.4	16.9
60°	13.9	13.9	12.3	12.3	12.3
62.5°	10.8	10.8	10.8	9.2	10.8
65°	9.2	9.2	9.2	7.7	9.2
67.5°	7.7	7.7	6.2	7.7	7.7
70°	6.2	6.2	6.2	6.2	6.2
72.5°	4.6	4.6	4.6	4.6	4.6
75°	4.6	4.6	4.6	4.6	4.6
77.5°	3.1	3.1	3.1	3.1	3.1
80°	3.1	3.1	3.1	3.1	3.1
82.5°	1.5	1.5	1.5	1.5	1.5
85°	1.5	1.5	1.5	1.5	1.5
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)