

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: P1180100

Luminaire Tested: LDA2B209730R2040D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1180100
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: LDA2B209730R2040D010 2LBDC1MB
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

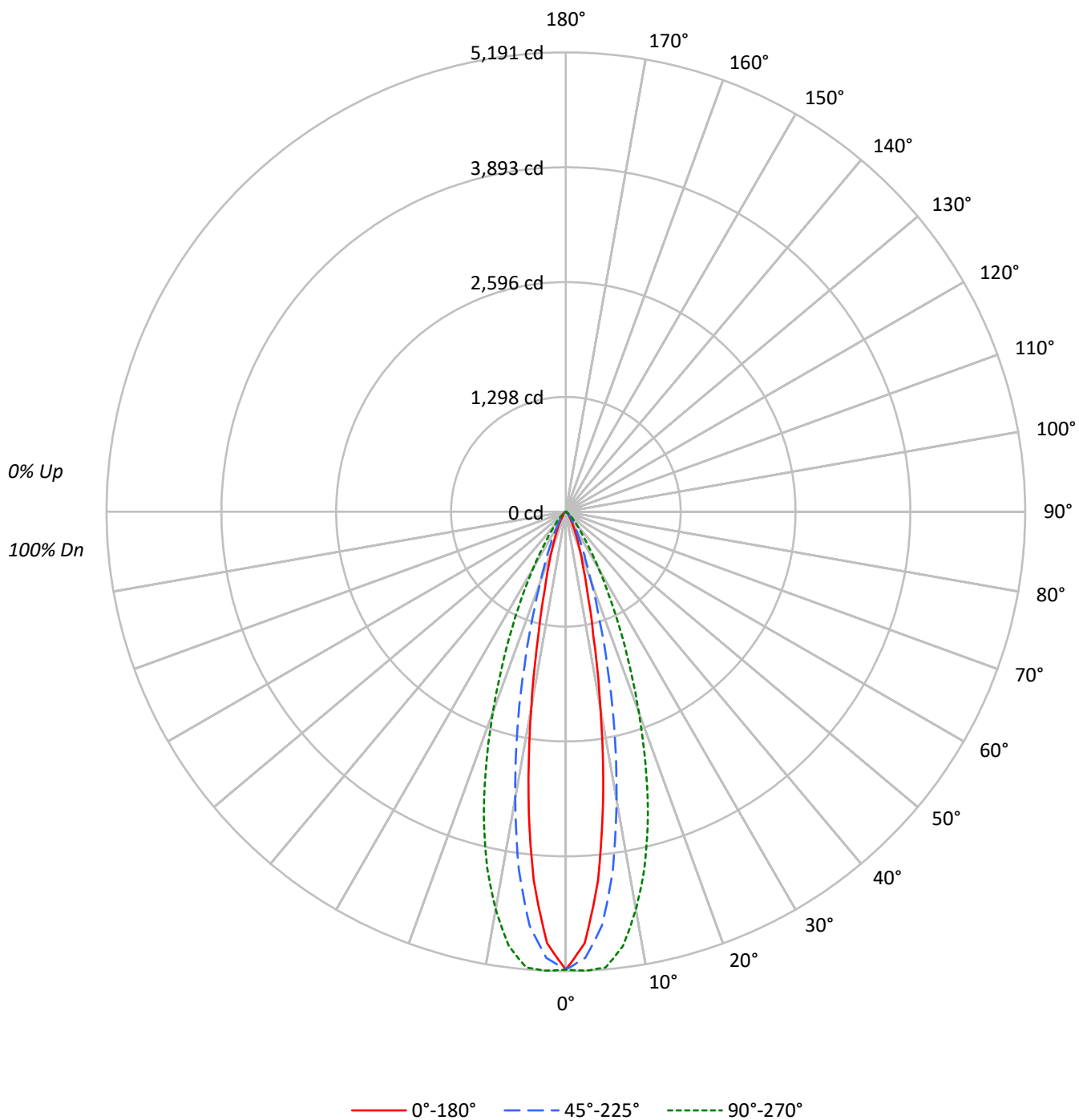
Lumens per Lamp: N/A
Luminaire Lumens: 1458.1 lumens
Efficiency: N/A
Efficacy: 70.8 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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: P1180100

CATALOG NUMBER: LDA2B209730R2040D010 2LBDC1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1180100

CATALOG NUMBER: LDA2B209730R2040D010 2LBDC1MB

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°	2552506	2552506	2552506
5°	2068991	2323795	2559136
10°	1124884	1649903	2285237
15°	475778	925865	1829205
20°	242876	435350	1264837
25°	134458	222700	770929
30°	75312	123679	420428
35°	43605	74864	214172
40°	32460	56740	118567
45°	28537	38444	70260
50°	30164	25329	37456
55°	21676	17633	20300
60°	14011	12433	12433
65°	10973	10973	10973
70°	9088	9088	9088
75°	8959	8959	8959
80°	8808	8808	8808
85°	9057	9057	9057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 70260 cd/sqm

TEST NUMBER: P1180100

CATALOG NUMBER: LDA2B209730R2040D010 2LBDC1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.1	27.6
10°-20°	570.1	39.1
20°-30°	293.7	20.1
30°-40°	108.1	7.4
40°-50°	47.5	3.3
50°-60°	20.8	1.4
60°-70°	9.1	0.6
70°-80°	4.5	0.3
80°-90°	1.3	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°	1266.8	86.9
0°-40°	1374.9	94.3
0°-60°	1443.2	99.0
0°-90°	1458.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1458.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	5174	5174	5174	5174	5174	
5°	4178	4319	4692	5024	5167	336
15°	932	1083	1813	3024	3581	285
25°	247	277	409	939	1416	119
35°	72	83	124	217	356	49
45°	41	47	55	66	101	33
55°	25	22	20	22	24	23
65°	9	9	9	8	9	10
75°	5	5	5	5	5	5
85°	2	2	2	2	2	1
90°	0	0	0	0	0	

TEST NUMBER: P1180100

CATALOG NUMBER: LDA2B209730R2040D010 2LBDC1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	5173.7	5173.7	5173.7	5173.7	5173.7
2.5°	4877.9	4936.1	5044.7	5148.6	5191.0
5°	4177.7	4319.3	4692.2	5024.3	5167.4
7.5°	3235.2	3468.0	4072.3	4693.8	4948.7
10°	2245.4	2481.4	3293.4	4187.1	4561.6
12.5°	1431.9	1661.6	2538.1	3625.4	4111.6
15°	931.5	1082.6	1812.7	3024.3	3581.3
17.5°	646.7	753.7	1233.6	2387.0	2994.4
20°	462.6	538.1	829.2	1820.6	2409.1
22.5°	335.2	387.1	575.9	1329.6	1872.5
25°	247.0	276.9	409.1	939.4	1416.2
27.5°	182.5	201.4	295.8	648.3	1035.4
30°	132.2	147.9	217.1	445.3	738.0
32.5°	96.0	110.1	162.1	308.4	514.5
35°	72.4	83.4	124.3	217.1	355.6
37.5°	59.8	66.1	102.3	157.4	251.8
40°	50.4	56.6	88.1	116.4	184.1
42.5°	44.1	51.9	72.4	86.5	138.5
45°	40.9	47.2	55.1	66.1	100.7
47.5°	40.9	39.3	42.5	50.4	70.8
50°	39.3	33.0	33.0	39.3	48.8
52.5°	33.0	26.7	26.7	28.3	33.0
55°	25.2	22.0	20.5	22.0	23.6
57.5°	18.9	18.9	17.3	15.7	17.3
60°	14.2	14.2	12.6	12.6	12.6
62.5°	11.0	11.0	11.0	9.4	11.0
65°	9.4	9.4	9.4	7.9	9.4
67.5°	7.9	7.9	6.3	7.9	7.9
70°	6.3	6.3	6.3	6.3	6.3
72.5°	4.7	4.7	4.7	4.7	4.7
75°	4.7	4.7	4.7	4.7	4.7
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°	1.6	1.6	1.6	1.6	1.6
85°	1.6	1.6	1.6	1.6	1.6
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)