

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: P1180061

Luminaire Tested: LDA2B209727R2040D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1180061
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: LDA2B209727R2040D010 2LBDC1MB
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

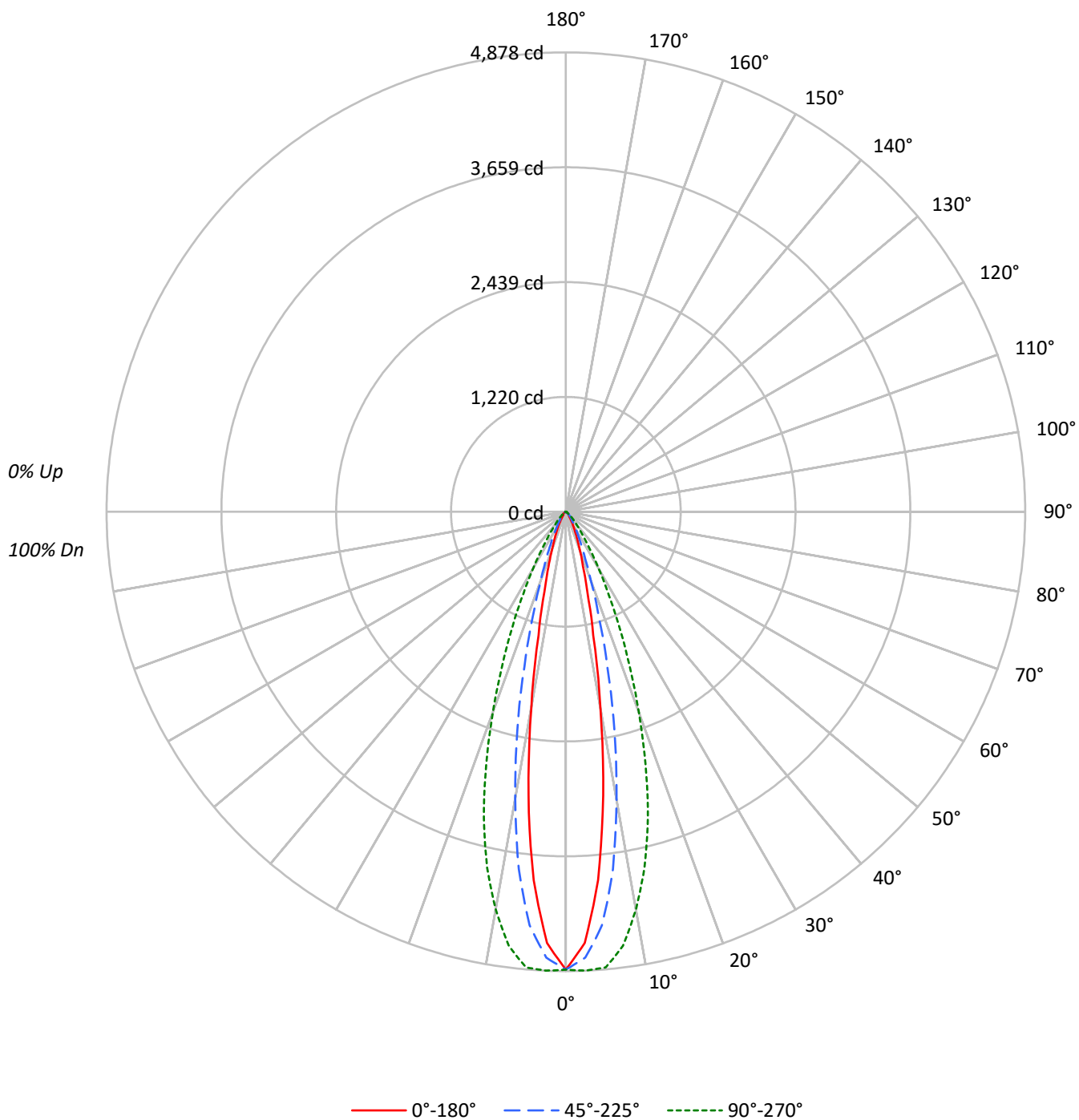
Lumens per Lamp: N/A
Luminaire Lumens: 1370.1 lumens
Efficiency: N/A
Efficacy: 66.5 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

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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
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	94	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°	2398330	2398330	2398330
5°	1943990	2183442	2404570
10°	1056952	1550210	2147219
15°	447073	869936	1718727
20°	228228	409099	1188393
25°	126347	209254	724331
30°	70755	116216	395020
35°	40955	70347	201223
40°	30463	53326	111419
45°	26792	36072	66004
50°	28399	23794	35153
55°	20386	16515	19095
60°	13123	11643	11643
65°	10390	10390	10390
70°	8511	8511	8511
75°	8387	8387	8387
80°	8523	8523	8523
85°	8491	8491	8491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 66004 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.8	27.6
10°-20°	535.6	39.1
20°-30°	275.9	20.1
30°-40°	101.5	7.4
40°-50°	44.6	3.3
50°-60°	19.6	1.4
60°-70°	8.6	0.6
70°-80°	4.3	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°	1190.3	86.9
0°-40°	1291.9	94.3
0°-60°	1356.0	99.0
0°-90°	1370.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1370.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4861	4861	4861	4861	4861	
5°	3925	4058	4409	4721	4855	316
15°	875	1017	1703	2842	3365	268
25°	232	260	384	883	1331	111
35°	68	78	117	204	334	46
45°	38	44	52	62	95	31
55°	24	21	19	21	22	22
65°	9	9	9	7	9	9
75°	4	4	4	4	4	4
85°	2	2	2	2	2	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4861.2	4861.2	4861.2	4861.2	4861.2
2.5°	4583.3	4638.0	4740.0	4837.6	4877.5
5°	3925.3	4058.4	4408.8	4720.8	4855.3
7.5°	3039.7	3258.5	3826.3	4410.3	4649.8
10°	2109.8	2331.5	3094.4	3934.2	4286.1
12.5°	1345.4	1561.3	2384.8	3406.4	3863.2
15°	875.3	1017.2	1703.2	2841.6	3365.0
17.5°	607.7	708.2	1159.1	2242.8	2813.5
20°	434.7	505.6	779.2	1710.6	2263.5
22.5°	314.9	363.7	541.1	1249.3	1759.4
25°	232.1	260.2	384.4	882.6	1330.6
27.5°	171.5	189.2	278.0	609.1	972.8
30°	124.2	139.0	204.0	418.4	693.4
32.5°	90.2	103.5	152.3	289.8	483.5
35°	68.0	78.4	116.8	204.0	334.1
37.5°	56.2	62.1	96.1	147.8	236.6
40°	47.3	53.2	82.8	109.4	173.0
42.5°	41.4	48.8	68.0	81.3	130.1
45°	38.4	44.4	51.7	62.1	94.6
47.5°	38.4	37.0	39.9	47.3	66.5
50°	37.0	31.0	31.0	37.0	45.8
52.5°	31.0	25.1	25.1	26.6	31.0
55°	23.7	20.7	19.2	20.7	22.2
57.5°	17.7	17.7	16.3	14.8	16.3
60°	13.3	13.3	11.8	11.8	11.8
62.5°	10.3	10.3	10.3	8.9	10.3
65°	8.9	8.9	8.9	7.4	8.9
67.5°	7.4	7.4	5.9	7.4	7.4
70°	5.9	5.9	5.9	5.9	5.9
72.5°	4.4	4.4	4.4	4.4	4.4
75°	4.4	4.4	4.4	4.4	4.4
77.5°	3.0	3.0	3.0	3.0	3.0
80°	3.0	3.0	3.0	3.0	3.0
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)