

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: P1180096

Luminaire Tested: LDA2B209730R2040D010 2LBD1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1180096
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 2LBD1MW
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

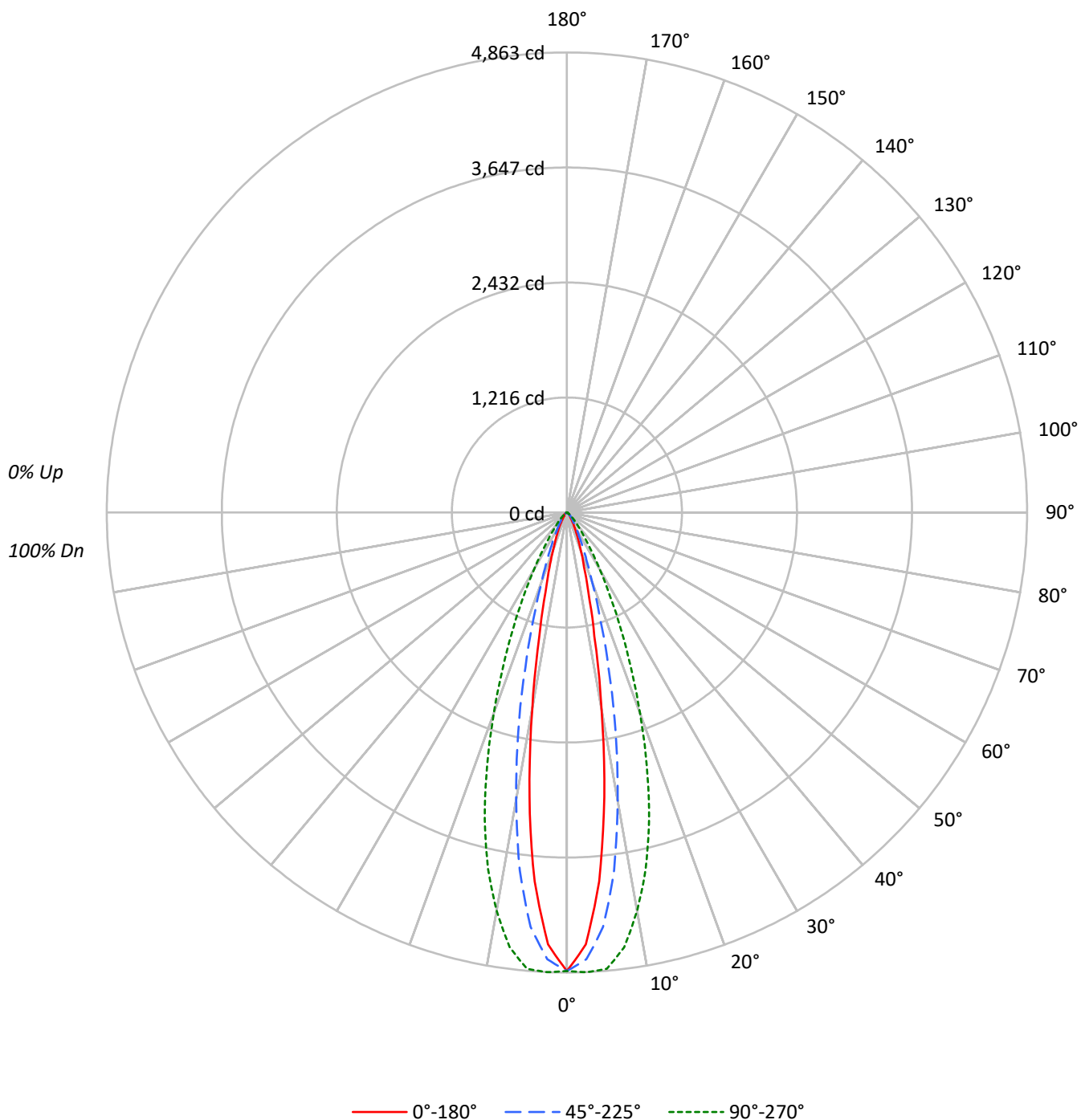
Lumens per Lamp: N/A
Luminaire Lumens: 1366.1 lumens
Efficiency: N/A
Efficacy: 66.3 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2391423	2391423	2391423
5°	1938394	2177103	2397636
10°	1053896	1545751	2141007
15°	445745	867433	1713772
20°	227546	407892	1184981
25°	125966	208655	722263
30°	70527	115874	393880
35°	40835	70166	200681
40°	30399	53198	111097
45°	26723	36002	65795
50°	28322	23794	35076
55°	20300	16515	19009
60°	13123	11643	11643
65°	10273	10273	10273
70°	8511	8511	8511
75°	8387	8387	8387
80°	8239	8239	8239
85°	8491	8491	8491

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 65795 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.7	27.6
10°-20°	534.1	39.1
20°-30°	275.1	20.1
30°-40°	101.2	7.4
40°-50°	44.5	3.3
50°-60°	19.5	1.4
60°-70°	8.5	0.6
70°-80°	4.2	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°	1186.9	86.9
0°-40°	1288.1	94.3
0°-60°	1352.1	99.0
0°-90°	1366.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1366.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4847	4847	4847	4847	4847	
5°	3914	4047	4396	4707	4841	315
15°	873	1014	1698	2833	3355	267
25°	231	260	383	880	1327	111
35°	68	78	116	203	333	46
45°	38	44	52	62	94	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°	4847.2	4847.2	4847.2	4847.2	4847.2
2.5°	4570.0	4624.5	4726.3	4823.6	4863.4
5°	3914.0	4046.7	4396.0	4707.1	4841.3
7.5°	3030.9	3249.1	3815.2	4397.5	4636.3
10°	2103.7	2324.8	3085.5	3922.8	4273.7
12.5°	1341.5	1556.7	2377.9	3396.5	3852.1
15°	872.7	1014.2	1698.3	2833.4	3355.3
17.5°	605.9	706.1	1155.8	2236.4	2805.4
20°	433.4	504.2	776.9	1705.6	2257.0
22.5°	314.0	362.7	539.6	1245.7	1754.3
25°	231.4	259.5	383.3	880.1	1326.8
27.5°	171.0	188.7	277.1	607.4	970.0
30°	123.8	138.6	203.4	417.2	691.4
32.5°	89.9	103.2	151.8	288.9	482.1
35°	67.8	78.1	116.5	203.4	333.2
37.5°	56.0	61.9	95.8	147.4	235.9
40°	47.2	53.1	82.6	109.1	172.5
42.5°	41.3	48.6	67.8	81.1	129.7
45°	38.3	44.2	51.6	61.9	94.3
47.5°	38.3	36.9	39.8	47.2	66.3
50°	36.9	31.0	31.0	36.9	45.7
52.5°	31.0	25.1	25.1	26.5	31.0
55°	23.6	20.6	19.2	20.6	22.1
57.5°	17.7	17.7	16.2	14.7	16.2
60°	13.3	13.3	11.8	11.8	11.8
62.5°	10.3	10.3	10.3	8.8	10.3
65°	8.8	8.8	8.8	7.4	8.8
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°	2.9	2.9	2.9	2.9	2.9
80°	2.9	2.9	2.9	2.9	2.9
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)