

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: P1179700

Luminaire Tested: LDA2B208030R2060D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179700
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2010-034-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B208030R2060D010 2LBDC1MB
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

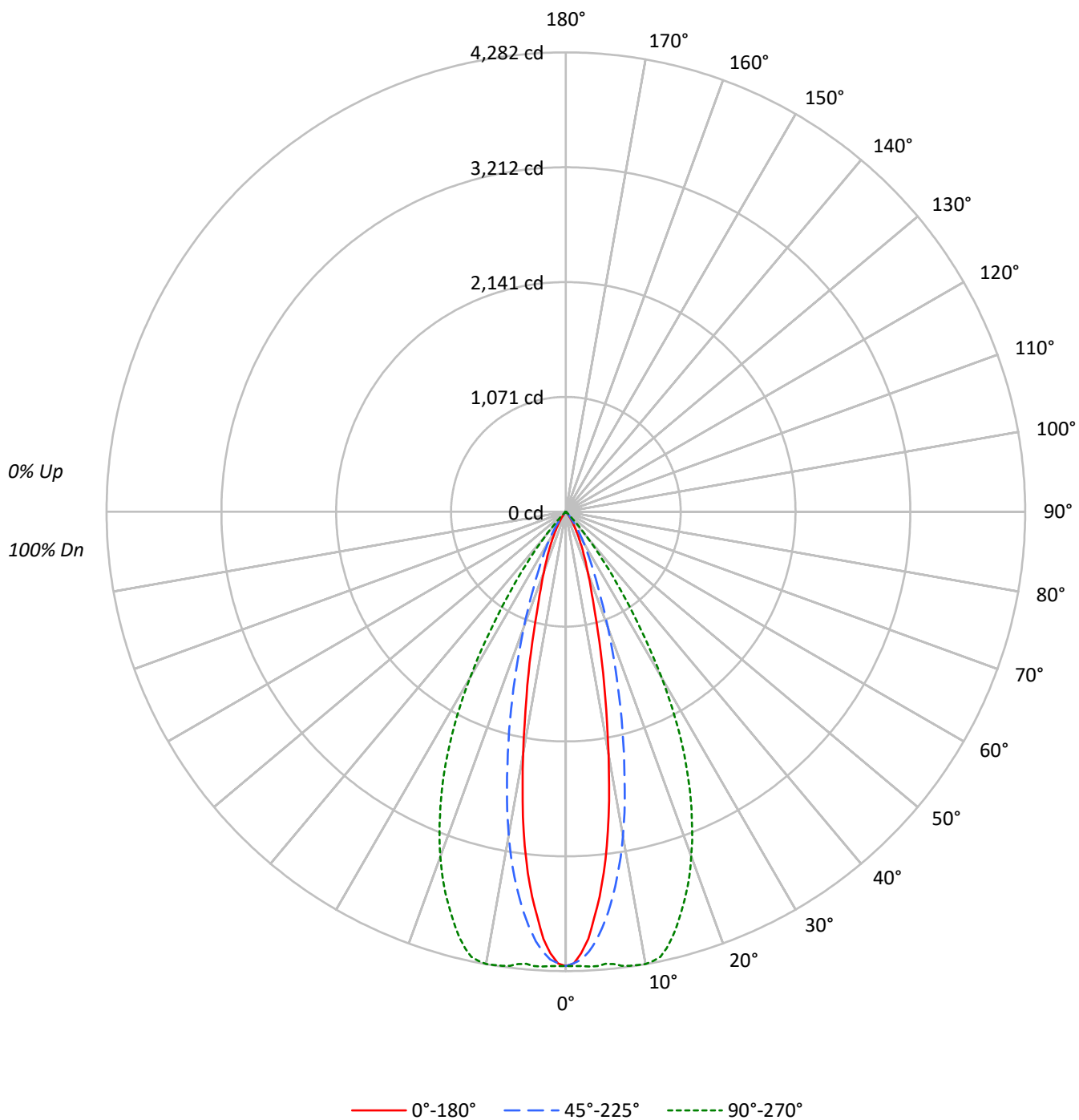
Lumens per Lamp: N/A
Luminaire Lumens: 1686.8 lumens
Efficiency: N/A
Efficacy: 81.9 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	93	92	92	92	90
3	105	100	96	92	103	99	95	92	96	93	90	94	91	89	91	89	87	87	87	86
4	101	95	90	87	99	94	89	86	92	88	85	90	87	84	88	85	83	83	83	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	79	79	78
6	93	86	81	77	92	85	81	77	84	80	77	82	79	76	81	78	76	76	76	74
7	90	82	77	74	89	81	77	73	80	76	73	79	75	73	78	75	72	72	72	71
8	86	79	74	70	85	78	73	70	77	73	70	76	72	69	75	72	69	69	69	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	66	66	65
10	80	72	67	64	79	72	67	64	71	67	64	70	66	64	70	66	64	64	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2089091	2089091	2089091
5°	1783976	1928291	2095041
10°	1148580	1537235	2144965
15°	589168	1025311	2041173
20°	314647	599158	1795322
25°	175394	328470	1460367
30°	93542	187085	1017287
35°	40775	90222	530311
40°	11915	26470	200940
45°	2861	7187	30072
50°	1612	1612	3147
55°	1806	1806	1806
60°	0	2072	2072
65°	0	2452	2452
70°	0	3029	3029
75°	0	4003	4003
80°	0	5966	5966
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 30072 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	349.5	20.7
10°-20°	636.2	37.7
20°-30°	482.3	28.6
30°-40°	193.0	11.4
40°-50°	19.6	1.2
50°-60°	2.0	0.1
60°-70°	1.8	0.1
70°-80°	1.9	0.1
80°-90°	0.5	0.0
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°	1468.0	87.0
0°-40°	1660.9	98.5
0°-60°	1682.5	99.7
0°-90°	1686.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1686.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4234	4234	4234	4234	4234	
5°	3602	3682	3894	4119	4230	302
15°	1154	1338	2007	3305	3996	330
25°	322	376	603	1724	2683	153
35°	68	84	150	456	880	47
45°	4	6	10	20	43	5
55°	2	2	2	2	2	1
65°	0	2	2	2	2	0
75°	0	2	2	2	2	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4234.4	4234.4	4234.4	4234.4	4234.4
1°	4211.8	4213.8	4209.7	4215.9	4236.4
2°	4117.4	4148.2	4174.8	4201.5	4236.4
3°	3986.0	4023.0	4107.1	4191.3	4244.6
4°	3793.1	3869.0	4012.7	4166.6	4244.6
5°	3602.2	3682.2	3893.6	4119.4	4230.3
6°	3384.6	3499.6	3756.1	4074.3	4238.5
7°	3138.3	3279.9	3604.2	4045.5	4263.1
8°	2871.5	3031.6	3438.0	3984.0	4273.4
9°	2575.9	2770.9	3261.5	3910.1	4277.5
10°	2292.7	2497.9	3068.5	3825.9	4281.6
11°	2009.4	2222.9	2859.2	3743.8	4265.2
12°	1769.3	1972.5	2639.5	3657.6	4240.5
13°	1547.6	1744.6	2422.0	3555.0	4176.9
14°	1342.4	1535.3	2212.6	3435.9	4092.7
15°	1153.5	1338.2	2007.4	3304.6	3996.3
16°	983.2	1155.6	1810.3	3158.8	3889.5
17°	860.0	997.5	1625.6	3004.9	3784.9
18°	763.5	866.2	1451.1	2853.0	3674.0
19°	677.3	759.4	1289.0	2695.0	3550.9
20°	599.3	673.2	1141.2	2530.8	3419.5
21°	533.7	597.3	1003.7	2368.6	3286.1
22°	476.2	531.6	880.5	2208.5	3140.4
23°	422.8	472.1	775.9	2046.4	2994.6
24°	371.5	424.9	683.5	1882.2	2842.7
25°	322.2	375.6	603.4	1724.1	2682.7
26°	283.2	332.5	535.7	1570.2	2516.4
27°	244.3	295.6	476.2	1422.4	2348.1
28°	213.5	260.7	422.8	1280.8	2165.4
29°	184.7	229.9	373.6	1141.2	1978.6
30°	164.2	199.1	328.4	1009.8	1785.7
32.5°	112.9	133.4	229.9	710.2	1303.4
35°	67.7	84.2	149.8	455.7	880.5
37.5°	36.9	45.2	86.2	273.0	554.2
40°	18.5	22.6	41.1	133.4	312.0
42.5°	8.2	10.3	18.5	51.3	133.4
45°	4.1	6.2	10.3	20.5	43.1
47.5°	2.1	4.1	4.1	8.2	12.3
50°	2.1	2.1	2.1	4.1	4.1
52.5°	2.1	2.1	2.1	4.1	4.1
55°	2.1	2.1	2.1	2.1	2.1
57.5°	0.0	2.1	2.1	2.1	2.1
60°	0.0	2.1	2.1	2.1	2.1
62.5°	0.0	2.1	2.1	2.1	2.1
65°	0.0	2.1	2.1	2.1	2.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	2.1	2.1	2.1	2.1
70°	0.0	2.1	2.1	2.1	2.1
72.5°	0.0	2.1	2.1	2.1	2.1
75°	0.0	2.1	2.1	2.1	2.1
77.5°	0.0	2.1	2.1	2.1	2.1
80°	0.0	0.0	2.1	2.1	2.1
82.5°	0.0	0.0	2.1	2.1	2.1
85°	0.0	0.0	0.0	0.0	0.0
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)