

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: P1180009

Luminaire Tested: LDA2B209040R2060D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1180009
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: LDA2B209040R2060D010 2LBDC1MB
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

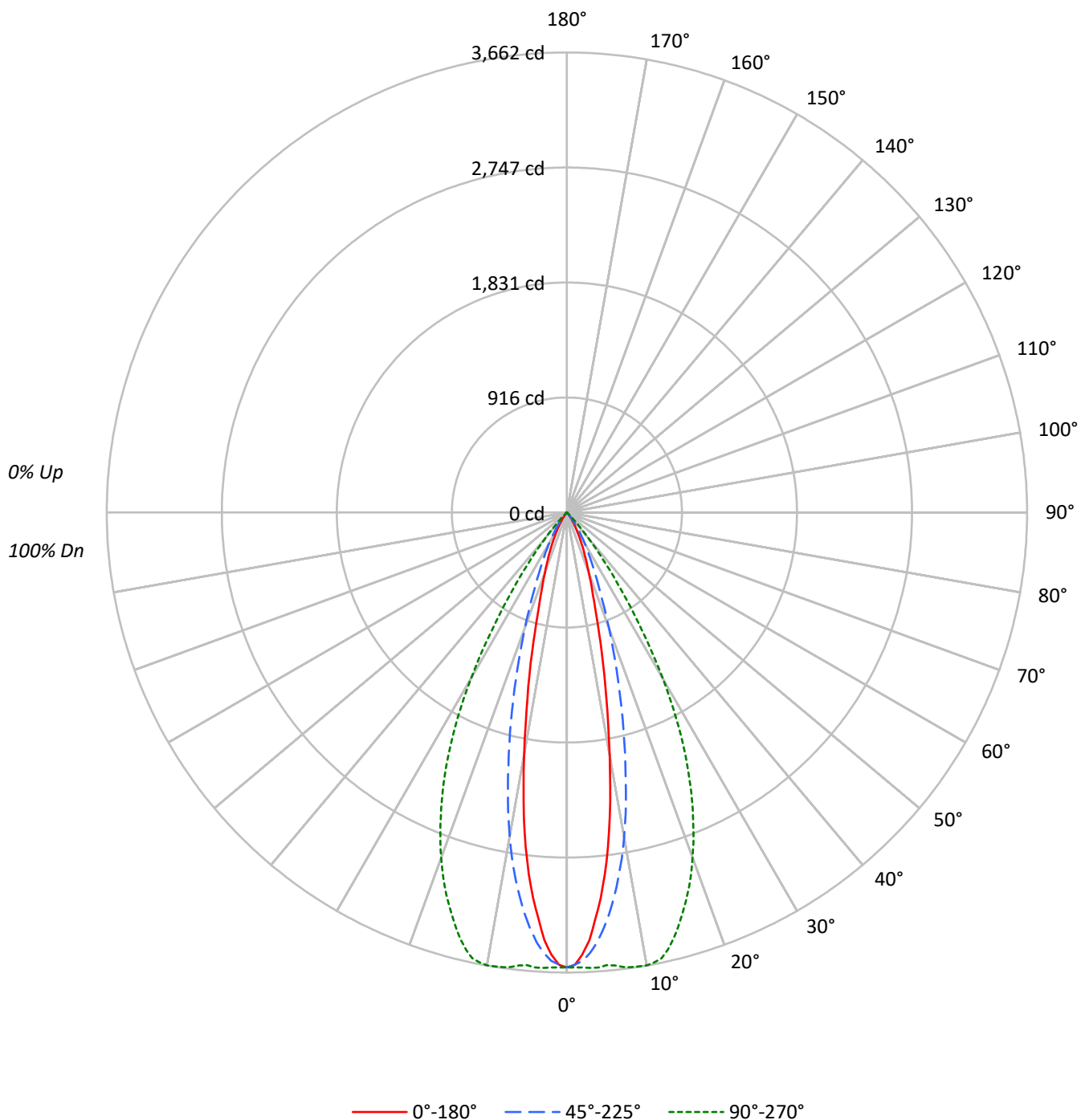
Lumens per Lamp: N/A
Luminaire Lumens: 1442.5 lumens
Efficiency: N/A
Efficacy: 70.0 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1786562	1786562	1786562
5°	1525656	1649071	1791653
10°	982257	1314653	1834362
15°	503870	876831	1745593
20°	269128	512424	1535382
25°	150027	280947	1248881
30°	79984	159968	869966
35°	34872	77153	453520
40°	10176	22606	171829
45°	2442	6140	25746
50°	1382	1382	2686
55°	1548	1548	1548
60°	0	1776	1776
65°	0	2101	2101
70°	0	2596	2596
75°	0	3431	3431
80°	0	5114	5114
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 25746 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	298.9	20.7
10°-20°	544.1	37.7
20°-30°	412.4	28.6
30°-40°	165.0	11.4
40°-50°	16.8	1.2
50°-60°	1.7	0.1
60°-70°	1.6	0.1
70°-80°	1.6	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°	1255.4	87.0
0°-40°	1420.4	98.5
0°-60°	1438.9	99.7
0°-90°	1442.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1442.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3621	3621	3621	3621	3621	
5°	3081	3149	3330	3523	3618	258
15°	986	1144	1717	2826	3418	282
25°	276	321	516	1474	2294	131
35°	58	72	128	390	753	40
45°	4	5	9	18	37	4
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°	3621.2	3621.2	3621.2	3621.2	3621.2
1°	3601.9	3603.7	3600.1	3605.4	3623.0
2°	3521.2	3547.5	3570.3	3593.1	3623.0
3°	3408.8	3440.4	3512.4	3584.3	3630.0
4°	3243.8	3308.8	3431.6	3563.3	3630.0
5°	3080.6	3149.0	3329.8	3522.9	3617.7
6°	2894.5	2992.8	3212.2	3484.3	3624.7
7°	2683.9	2805.0	3082.3	3459.7	3645.8
8°	2455.7	2592.6	2940.1	3407.1	3654.6
9°	2202.9	2369.7	2789.2	3343.9	3658.1
10°	1960.7	2136.2	2624.2	3271.9	3661.6
11°	1718.5	1901.0	2445.1	3201.7	3647.5
12°	1513.1	1686.9	2257.3	3128.0	3626.5
13°	1323.5	1492.0	2071.3	3040.2	3572.1
14°	1148.0	1313.0	1892.2	2938.4	3500.1
15°	986.5	1144.5	1716.7	2826.1	3417.6
16°	840.8	988.2	1548.2	2701.4	3326.3
17°	735.5	853.1	1390.2	2569.8	3236.8
18°	653.0	740.7	1241.0	2439.9	3142.0
19°	579.3	649.5	1102.3	2304.7	3036.7
20°	512.6	575.7	976.0	2164.3	2924.4
21°	456.4	510.8	858.3	2025.6	2810.3
22°	407.2	454.6	753.0	1888.7	2685.6
23°	361.6	403.7	663.5	1750.0	2561.0
24°	317.7	363.3	584.5	1609.6	2431.1
25°	275.6	321.2	516.1	1474.5	2294.2
26°	242.2	284.4	458.1	1342.8	2152.0
27°	208.9	252.8	407.2	1216.4	2008.1
28°	182.6	222.9	361.6	1095.3	1851.9
29°	158.0	196.6	319.5	976.0	1692.1
30°	140.4	170.3	280.8	863.6	1527.1
32.5°	96.5	114.1	196.6	607.3	1114.6
35°	57.9	72.0	128.1	389.7	753.0
37.5°	31.6	38.6	73.7	233.5	473.9
40°	15.8	19.3	35.1	114.1	266.8
42.5°	7.0	8.8	15.8	43.9	114.1
45°	3.5	5.3	8.8	17.6	36.9
47.5°	1.8	3.5	3.5	7.0	10.5
50°	1.8	1.8	1.8	3.5	3.5
52.5°	1.8	1.8	1.8	3.5	3.5
55°	1.8	1.8	1.8	1.8	1.8
57.5°	0.0	1.8	1.8	1.8	1.8
60°	0.0	1.8	1.8	1.8	1.8
62.5°	0.0	1.8	1.8	1.8	1.8
65°	0.0	1.8	1.8	1.8	1.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.8	1.8	1.8	1.8
70°	0.0	1.8	1.8	1.8	1.8
72.5°	0.0	1.8	1.8	1.8	1.8
75°	0.0	1.8	1.8	1.8	1.8
77.5°	0.0	1.8	1.8	1.8	1.8
80°	0.0	0.0	1.8	1.8	1.8
82.5°	0.0	0.0	1.8	1.8	1.8
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)