

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: P1179916

Luminaire Tested: LDA2B209030R2050D010 2LBD1WHH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179916
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B209030R2050D010 2LBD1WHH
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

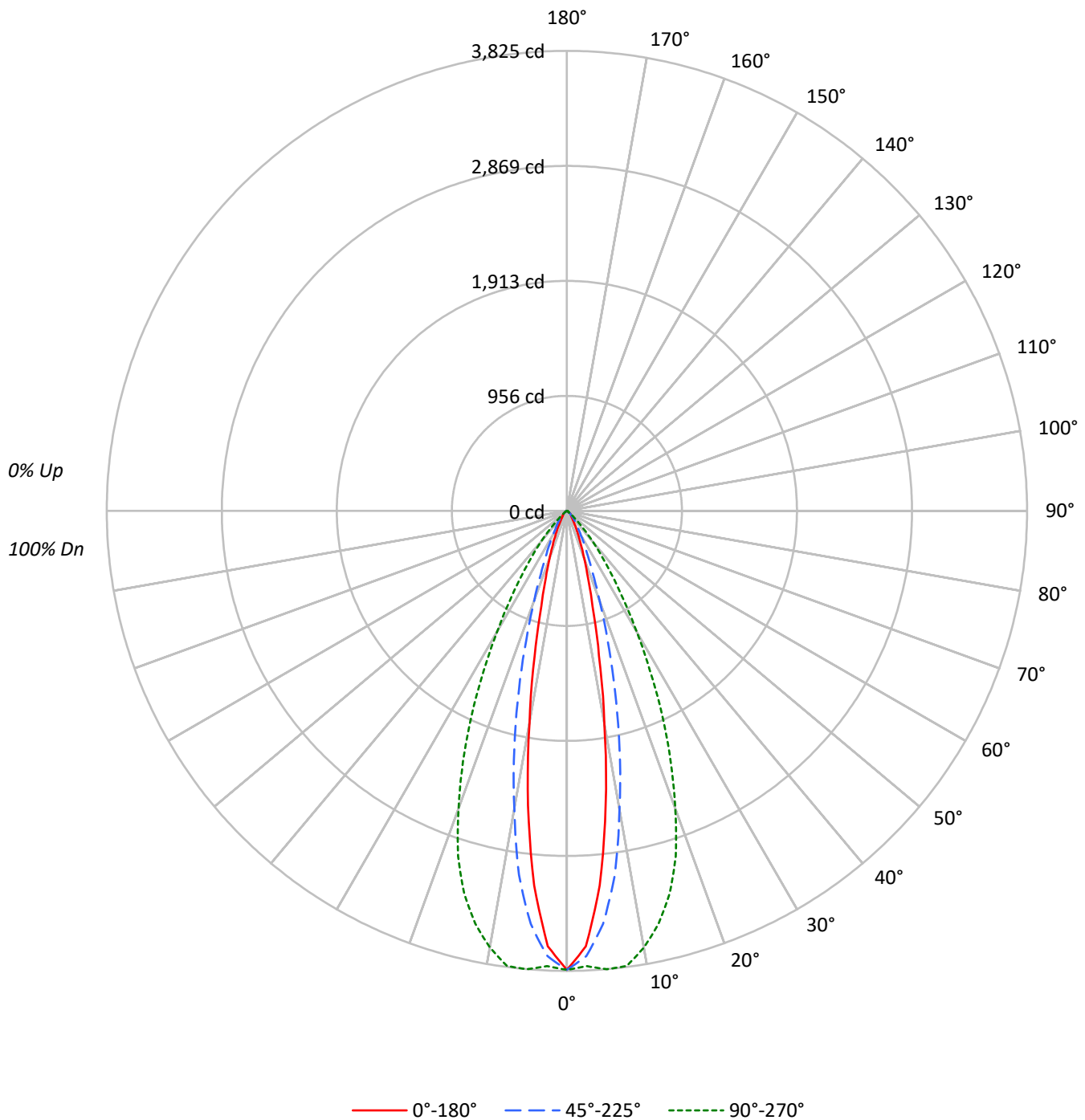
Lumens per Lamp: N/A
Luminaire Lumens: 1371.7 lumens
Efficiency: N/A
Efficacy: 66.6 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	109	107	112	109	107	106	105	104	102		102	100	99		98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		90	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84		89	85	83		87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83	80	78	76
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80	77	74	73
7	89	81	76	72	88	80	75	72	79	75	71		78	74	71		77	73	71	70
8	85	77	72	69	84	77	72	69	76	71	68		75	71	68		74	70	68	67
9	82	74	69	66	81	74	69	66	73	68	65		72	68	65		71	68	65	64
10	79	71	66	63	79	71	66	63	70	66	63		69	65	62		69	65	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1882570	1882570	1882570
5°	1547744	1707708	1894515
10°	898394	1261900	1847036
15°	418572	785915	1683228
20°	220563	414402	1383492
25°	122155	224333	1020411
30°	71609	131426	659923
35°	46014	88174	391002
40°	35873	59445	217234
45°	31118	35514	96564
50°	28092	24408	35383
55°	19181	17805	16429
60°	14110	12531	12531
65°	11090	9339	11090
70°	9232	9232	9232
75°	9150	9150	9150
80°	9092	9092	9092
85°	9057	9057	9057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 96564 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	303.8	22.1
10°-20°	497.5	36.3
20°-30°	331.8	24.2
30°-40°	149.6	10.9
40°-50°	54.8	4.0
50°-60°	19.2	1.4
60°-70°	9.0	0.7
70°-80°	4.7	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°	1133.1	82.6
0°-40°	1282.7	93.5
0°-60°	1356.6	98.9
0°-90°	1371.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1371.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3816	3816	3816	3816	3816	
5°	3125	3222	3448	3700	3825	255
15°	820	963	1539	2600	3296	245
25°	224	261	412	1123	1874	108
35°	76	86	146	317	649	51
45°	45	45	51	80	138	35
55°	22	21	21	18	19	21
65°	10	10	8	8	10	10
75°	5	5	5	5	5	5
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°	3815.8	3815.8	3815.8	3815.8	3815.8
2.5°	3623.3	3661.5	3706.0	3752.2	3788.8
5°	3125.2	3222.3	3448.2	3699.6	3825.4
7.5°	2471.2	2614.4	3053.6	3550.1	3815.8
10°	1793.3	1976.3	2518.9	3290.7	3686.9
12.5°	1233.2	1405.1	2020.9	2962.9	3516.6
15°	819.5	962.7	1538.7	2600.1	3295.5
17.5°	577.6	674.7	1118.6	2203.9	3010.6
20°	420.1	485.3	789.3	1815.6	2635.1
22.5°	305.5	354.8	561.7	1451.2	2254.8
25°	224.4	261.0	412.1	1123.4	1874.5
27.5°	167.1	195.7	308.7	852.9	1494.2
30°	125.7	149.6	230.7	628.5	1158.4
32.5°	97.1	113.0	176.6	448.7	876.8
35°	76.4	85.9	146.4	316.7	649.2
37.5°	63.6	70.0	120.9	221.2	475.8
40°	55.7	60.5	92.3	157.5	337.3
42.5°	49.3	52.5	66.8	113.0	219.6
45°	44.6	44.6	50.9	79.6	138.4
47.5°	41.4	36.6	39.8	55.7	81.2
50°	36.6	30.2	31.8	38.2	46.1
52.5°	28.6	25.5	25.5	25.5	27.1
55°	22.3	20.7	20.7	17.5	19.1
57.5°	17.5	17.5	15.9	14.3	15.9
60°	14.3	14.3	12.7	11.1	12.7
62.5°	11.1	11.1	9.5	9.5	11.1
65°	9.5	9.5	8.0	8.0	9.5
67.5°	8.0	8.0	8.0	6.4	8.0
70°	6.4	6.4	6.4	6.4	6.4
72.5°	4.8	4.8	6.4	4.8	4.8
75°	4.8	4.8	4.8	4.8	4.8
77.5°	3.2	3.2	3.2	3.2	3.2
80°	3.2	3.2	3.2	3.2	3.2
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)