

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: P1180114

Luminaire Tested: LDA2B209730R2050D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1180114
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: LDA2B209730R2050D010 2LBDC1MMS
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

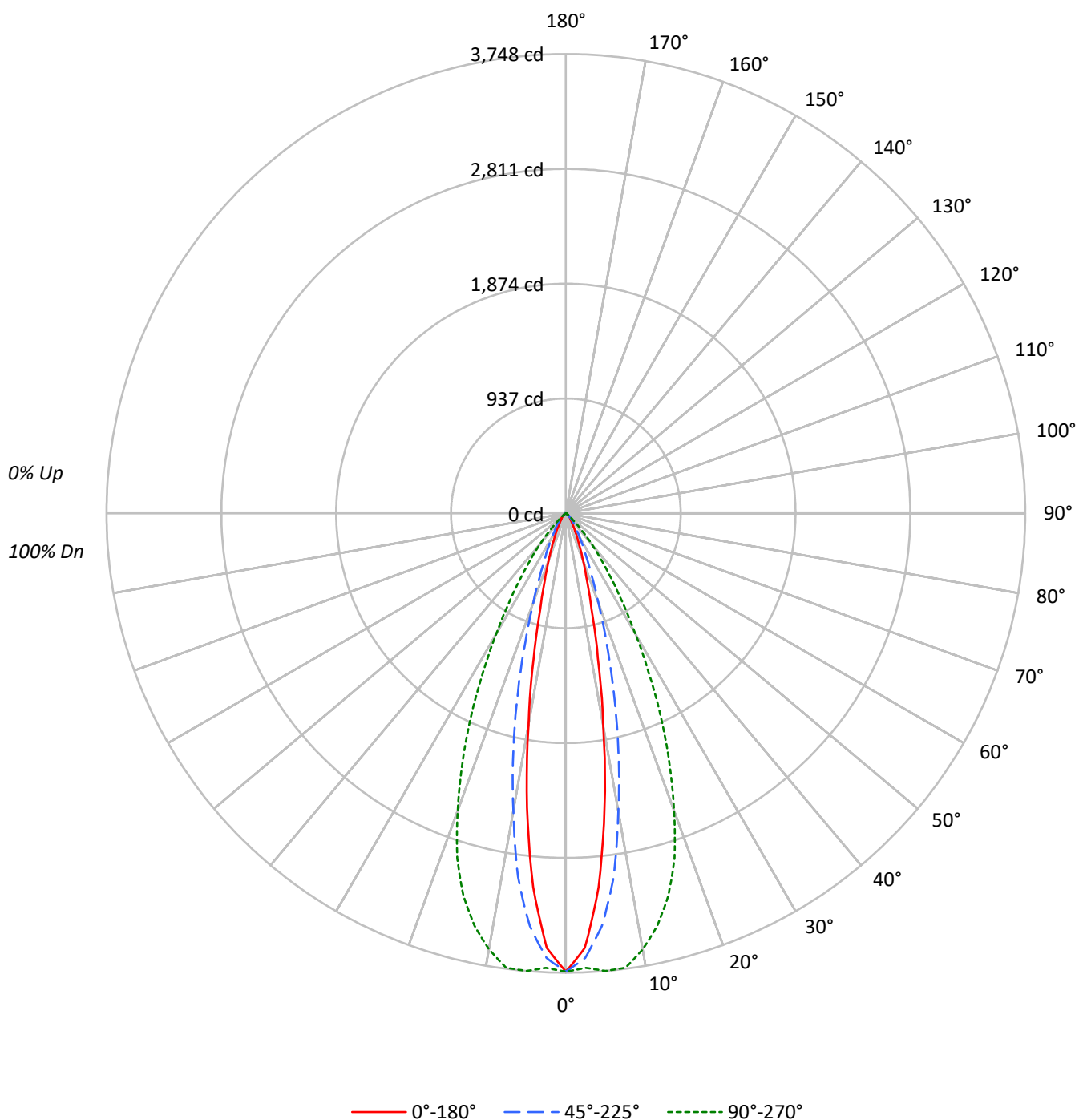
Lumens per Lamp: N/A
Luminaire Lumens: 1343.8 lumens
Efficiency: N/A
Efficacy: 65.2 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1844384	1844384	1844384
5°	1516345	1673091	1856084
10°	880209	1236350	1809614
15°	410094	769979	1649109
20°	216100	406002	1355456
25°	119651	219814	999725
30°	70185	128806	646536
35°	45051	86367	383113
40°	35164	58221	212855
45°	30490	34816	94611
50°	27554	23947	34693
55°	18751	17461	16085
60°	13814	12334	12334
65°	10973	9106	10973
70°	8943	8943	8943
75°	8959	8959	8959
80°	8808	8808	8808
85°	9057	9057	9057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 94611 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	297.7	22.2
10°-20°	487.4	36.3
20°-30°	325.1	24.2
30°-40°	146.6	10.9
40°-50°	53.6	4.0
50°-60°	18.8	1.4
60°-70°	8.8	0.7
70°-80°	4.6	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°	1110.2	82.6
0°-40°	1256.7	93.5
0°-60°	1329.1	98.9
0°-90°	1343.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1343.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3738	3738	3738	3738	3738	
5°	3062	3157	3378	3625	3748	250
15°	803	943	1508	2547	3229	240
25°	220	256	404	1101	1836	106
35°	75	84	143	310	636	50
45°	44	44	50	78	136	34
55°	22	20	20	17	19	20
65°	9	9	8	8	9	9
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°	3738.4	3738.4	3738.4	3738.4	3738.4
2.5°	3549.8	3587.2	3630.9	3676.1	3711.9
5°	3061.8	3156.9	3378.3	3624.6	3747.8
7.5°	2421.1	2561.4	2991.7	3478.1	3738.4
10°	1757.0	1936.3	2467.9	3224.0	3612.2
12.5°	1208.2	1376.6	1979.9	2902.8	3445.4
15°	802.9	943.2	1507.5	2547.4	3228.7
17.5°	565.9	661.0	1096.0	2159.2	2949.6
20°	411.6	475.5	773.3	1778.8	2581.7
22.5°	299.3	347.7	550.3	1421.8	2209.1
25°	219.8	255.7	403.8	1100.6	1836.5
27.5°	163.7	191.8	302.4	835.6	1463.9
30°	123.2	146.5	226.1	615.8	1134.9
32.5°	95.1	110.7	173.0	439.6	859.0
35°	74.8	84.2	143.4	310.2	636.1
37.5°	62.4	68.6	118.5	216.7	466.1
40°	54.6	59.2	90.4	154.3	330.5
42.5°	48.3	51.4	65.5	110.7	215.1
45°	43.7	43.7	49.9	77.9	135.6
47.5°	40.5	35.9	39.0	54.6	79.5
50°	35.9	29.6	31.2	37.4	45.2
52.5°	28.1	24.9	24.9	24.9	26.5
55°	21.8	20.3	20.3	17.1	18.7
57.5°	17.1	17.1	15.6	14.0	15.6
60°	14.0	14.0	12.5	10.9	12.5
62.5°	10.9	10.9	9.4	9.4	10.9
65°	9.4	9.4	7.8	7.8	9.4
67.5°	7.8	7.8	7.8	6.2	7.8
70°	6.2	6.2	6.2	6.2	6.2
72.5°	4.7	4.7	6.2	4.7	4.7
75°	4.7	4.7	4.7	4.7	4.7
77.5°	3.1	3.1	3.1	3.1	3.1
80°	3.1	3.1	3.1	3.1	3.1
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)