

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: P1179956

Luminaire Tested: LDA2B209035R2050D010 2LBD1WMH

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179956
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: LDA2B209035R2050D010 2LBD1WMH
Description: 2000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

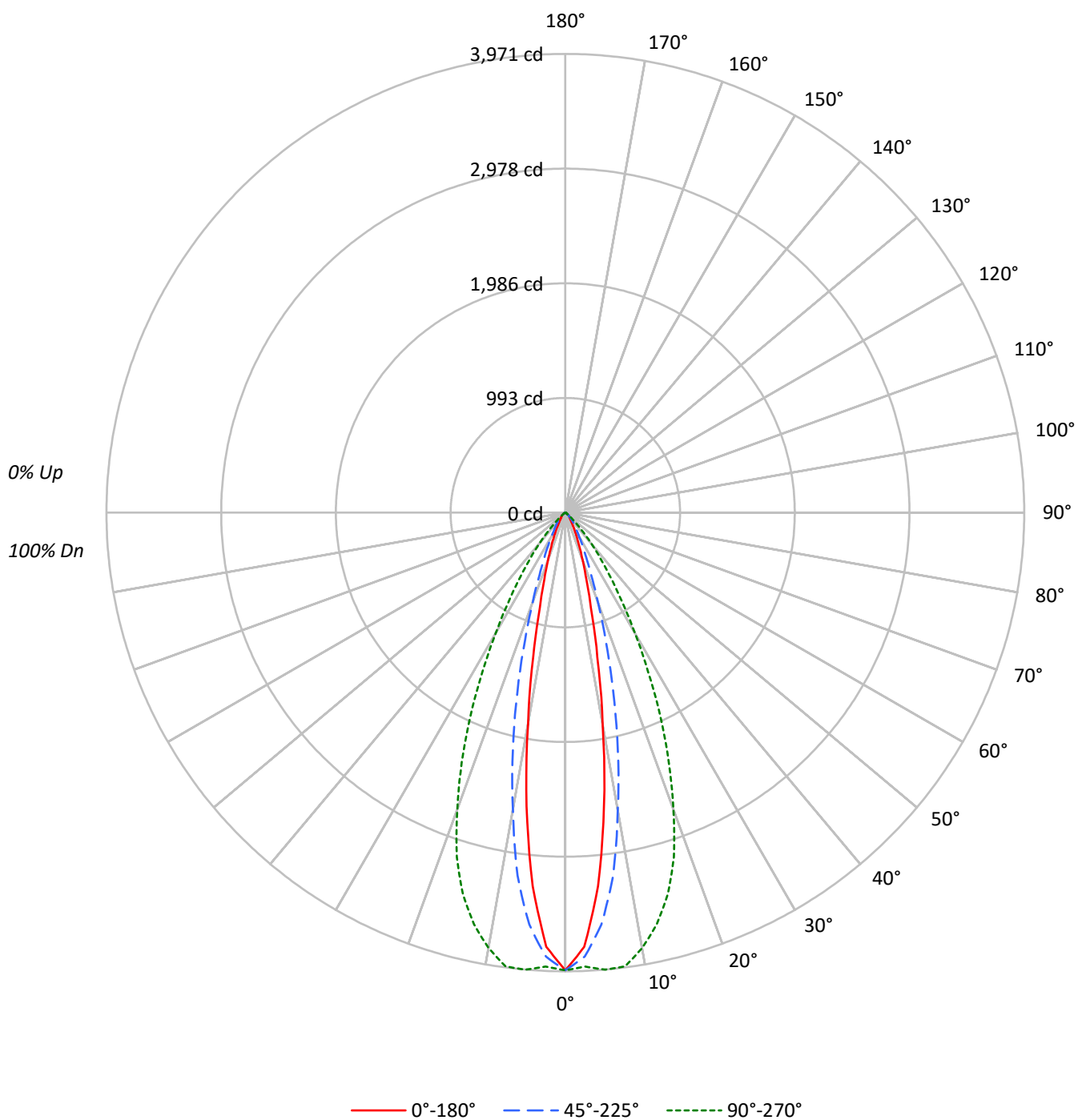
Lumens per Lamp: N/A
Luminaire Lumens: 1424.0 lumens
Efficiency: N/A
Efficacy: 69.1 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	1954403	1954403	1954403
5°	1606827	1772883	1966772
10°	932711	1310094	1917523
15°	434559	815948	1747432
20°	228963	430205	1436310
25°	126782	232934	1059333
30°	74344	136440	685103
35°	47761	91547	405939
40°	37225	61699	225542
45°	32304	36909	100262
50°	29166	25329	36765
55°	19869	18493	17031
60°	14702	13025	13025
65°	11557	9689	11557
70°	9520	9520	9520
75°	9531	9531	9531
80°	9376	9376	9376
85°	9623	9623	9623

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 100262 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.4	22.1
10°-20°	516.5	36.3
20°-30°	344.5	24.2
30°-40°	155.3	10.9
40°-50°	56.9	4.0
50°-60°	19.9	1.4
60°-70°	9.3	0.7
70°-80°	4.9	0.3
80°-90°	1.4	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°	1176.4	82.6
0°-40°	1331.7	93.5
0°-60°	1408.4	98.9
0°-90°	1424.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1424.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3961	3961	3961	3961	3961	
5°	3244	3345	3580	3841	3971	265
15°	851	999	1598	2699	3421	255
25°	233	271	428	1166	1946	112
35°	79	89	152	329	674	53
45°	46	46	53	83	144	36
55°	23	22	22	18	20	22
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°	3961.4	3961.4	3961.4	3961.4	3961.4
2.5°	3761.5	3801.2	3847.4	3895.4	3933.4
5°	3244.5	3345.2	3579.8	3840.8	3971.3
7.5°	2565.5	2714.2	3170.1	3685.6	3961.4
10°	1861.8	2051.8	2615.1	3416.3	3827.6
12.5°	1280.3	1458.7	2098.0	3076.0	3650.9
15°	850.8	999.4	1597.5	2699.3	3421.2
17.5°	599.7	700.4	1161.3	2288.0	3125.5
20°	436.1	503.9	819.4	1884.9	2735.7
22.5°	317.2	368.4	583.1	1506.6	2340.8
25°	232.9	270.9	427.9	1166.3	1946.0
27.5°	173.5	203.2	320.5	885.5	1551.2
30°	130.5	155.3	239.5	652.5	1202.6
32.5°	100.8	117.3	183.4	465.9	910.2
35°	79.3	89.2	152.0	328.7	674.0
37.5°	66.1	72.7	125.6	229.6	493.9
40°	57.8	62.8	95.8	163.5	350.2
42.5°	51.2	54.5	69.4	117.3	228.0
45°	46.3	46.3	52.9	82.6	143.7
47.5°	43.0	38.0	41.3	57.8	84.3
50°	38.0	31.4	33.0	39.6	47.9
52.5°	29.7	26.4	26.4	26.4	28.1
55°	23.1	21.5	21.5	18.2	19.8
57.5°	18.2	18.2	16.5	14.9	16.5
60°	14.9	14.9	13.2	11.6	13.2
62.5°	11.6	11.6	9.9	9.9	11.6
65°	9.9	9.9	8.3	8.3	9.9
67.5°	8.3	8.3	8.3	6.6	8.3
70°	6.6	6.6	6.6	6.6	6.6
72.5°	5.0	5.0	6.6	5.0	5.0
75°	5.0	5.0	5.0	5.0	5.0
77.5°	3.3	3.3	3.3	3.3	3.3
80°	3.3	3.3	3.3	3.3	3.3
82.5°	1.7	1.7	1.7	1.7	1.7
85°	1.7	1.7	1.7	1.7	1.7
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)