

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: P1178807

Luminaire Tested: LDA2B108050R2060D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178807
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: LDA2B108050R2060D010 2LBDC1MMS
Description: 1000 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

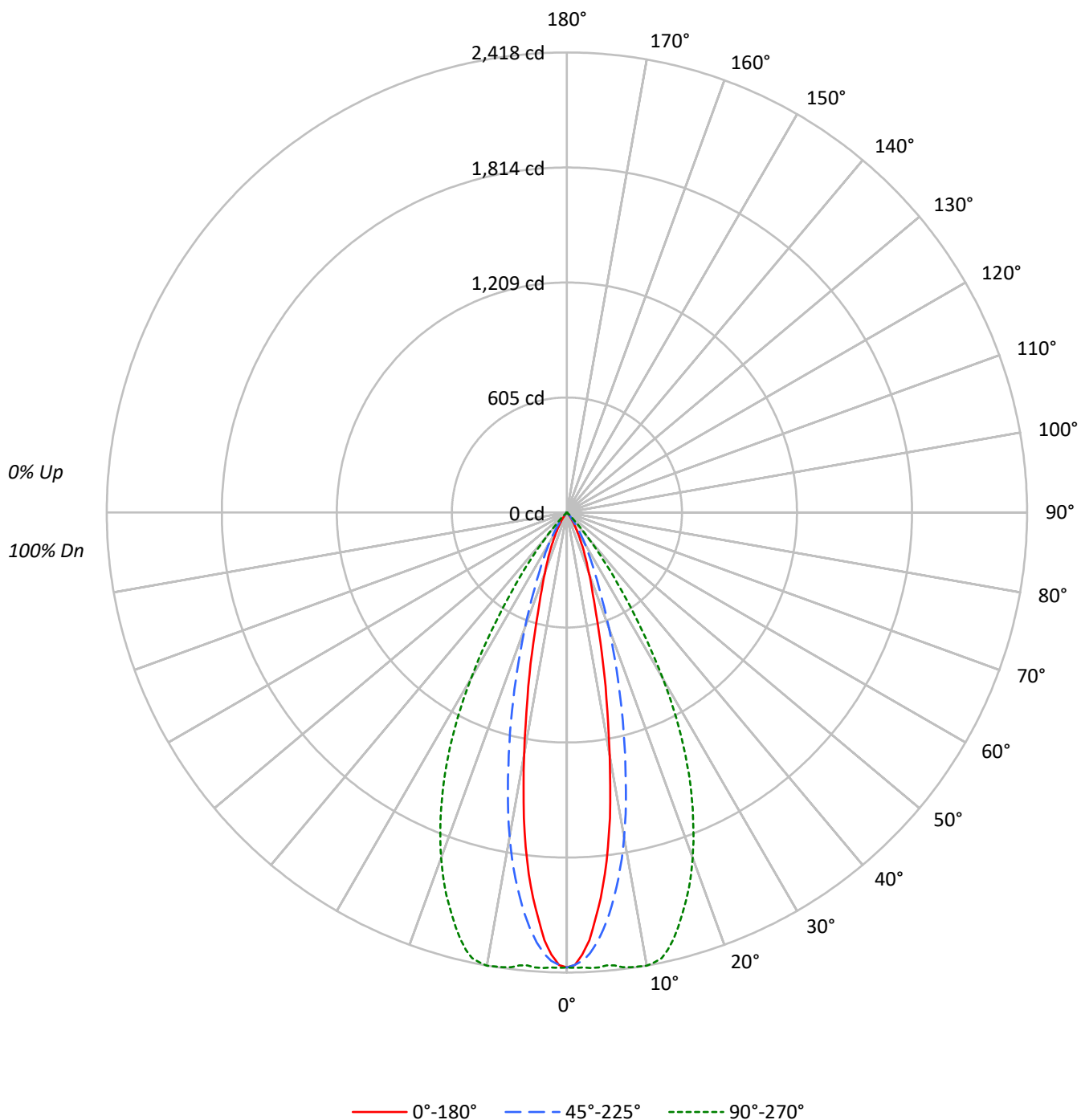
Lumens per Lamp: N/A
Luminaire Lumens: 952.8 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 10
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	100	100	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	95	95	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	90	90	90
3	105	100	96	92	103	99	95	92	96	93	90	94	91	89	91	89	87	86	86	86
4	101	95	90	87	99	94	89	86	92	88	85	90	87	84	88	85	83	82	82	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	78	78	78
6	93	86	81	77	92	85	81	77	84	80	77	82	79	76	81	78	76	74	74	74
7	90	82	77	74	89	81	77	73	80	76	73	79	75	73	78	75	72	71	71	71
8	86	79	74	70	85	78	73	70	77	73	70	76	72	69	75	72	69	68	68	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	65	65	65
10	80	72	67	64	79	72	67	64	71	67	64	70	66	64	70	66	64	62	62	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1179973	1179973	1179973
5°	1007628	1089195	1183342
10°	648760	868286	1211552
15°	332764	579106	1152900
20°	177721	338431	1014085
25°	99074	185519	824876
30°	52810	105677	574584
35°	23067	50953	299576
40°	6698	14942	113480
45°	1605	4047	16955
50°	921	921	1765
55°	1032	1032	1032
60°	0	1184	1184
65°	0	1401	1401
70°	0	1731	1731
75°	0	2287	2287
80°	0	3409	3409
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 16955 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	197.4	20.7
10°-20°	359.3	37.7
20°-30°	272.4	28.6
30°-40°	109.0	11.4
40°-50°	11.1	1.2
50°-60°	1.2	0.1
60°-70°	1.0	0.1
70°-80°	1.1	0.1
80°-90°	0.3	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°	829.2	87.0
0°-40°	938.1	98.5
0°-60°	950.4	99.7
0°-90°	952.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	952.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2392	2392	2392	2392	2392	
5°	2035	2080	2199	2327	2389	170
15°	652	756	1134	1866	2257	186
25°	182	212	341	974	1515	86
35°	38	48	85	257	497	26
45°	2	4	6	12	24	3
55°	1	1	1	1	1	1
65°	0	1	1	1	1	0
75°	0	1	1	1	1	0
85°	0	0	0	0	0	0
90°	0	0	0	0	0	0

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2391.7	2391.7	2391.7	2391.7	2391.7
1°	2379.0	2380.1	2377.8	2381.3	2392.9
2°	2325.6	2343.0	2358.1	2373.2	2392.9
3°	2251.4	2272.3	2319.8	2367.4	2397.5
4°	2142.5	2185.4	2266.5	2353.5	2397.5
5°	2034.6	2079.9	2199.3	2326.8	2389.4
6°	1911.7	1976.7	2121.6	2301.3	2394.0
7°	1772.6	1852.6	2035.8	2285.1	2407.9
8°	1621.9	1712.3	1941.9	2250.3	2413.7
9°	1455.0	1565.1	1842.2	2208.5	2416.1
10°	1295.0	1410.9	1733.2	2161.0	2418.4
11°	1135.0	1255.6	1615.0	2114.6	2409.1
12°	999.4	1114.1	1490.9	2065.9	2395.2
13°	874.1	985.4	1368.0	2008.0	2359.3
14°	758.2	867.2	1249.8	1940.7	2311.7
15°	651.5	755.9	1133.8	1866.5	2257.2
16°	555.3	652.7	1022.5	1784.2	2196.9
17°	485.8	563.4	918.2	1697.3	2137.8
18°	431.3	489.2	819.7	1611.5	2075.2
19°	382.6	429.0	728.1	1522.2	2005.7
20°	338.5	380.3	644.6	1429.5	1931.5
21°	301.4	337.4	566.9	1337.9	1856.1
22°	269.0	300.3	497.4	1247.4	1773.8
23°	238.8	266.6	438.2	1155.9	1691.5
24°	209.8	240.0	386.1	1063.1	1605.7
25°	182.0	212.2	340.8	973.8	1515.3
26°	160.0	187.8	302.6	886.9	1421.3
27°	138.0	166.9	269.0	803.4	1326.3
28°	120.6	147.2	238.8	723.4	1223.1
29°	104.3	129.8	211.0	644.6	1117.6
30°	92.7	112.5	185.5	570.4	1008.6
32.5°	63.8	75.4	129.8	401.1	736.2
35°	38.3	47.5	84.6	257.4	497.4
37.5°	20.9	25.5	48.7	154.2	313.0
40°	10.4	12.8	23.2	75.4	176.2
42.5°	4.6	5.8	10.4	29.0	75.4
45°	2.3	3.5	5.8	11.6	24.3
47.5°	1.2	2.3	2.3	4.6	7.0
50°	1.2	1.2	1.2	2.3	2.3
52.5°	1.2	1.2	1.2	2.3	2.3
55°	1.2	1.2	1.2	1.2	1.2
57.5°	0.0	1.2	1.2	1.2	1.2
60°	0.0	1.2	1.2	1.2	1.2
62.5°	0.0	1.2	1.2	1.2	1.2
65°	0.0	1.2	1.2	1.2	1.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.2	1.2	1.2	1.2
70°	0.0	1.2	1.2	1.2	1.2
72.5°	0.0	1.2	1.2	1.2	1.2
75°	0.0	1.2	1.2	1.2	1.2
77.5°	0.0	1.2	1.2	1.2	1.2
80°	0.0	0.0	1.2	1.2	1.2
82.5°	0.0	0.0	1.2	1.2	1.2
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)