

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: P1179273

Luminaire Tested: LDA2B158040R2060D010 2LBDC1MW

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179273
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: LDA2B158040R2060D010 2LBDC1MW
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

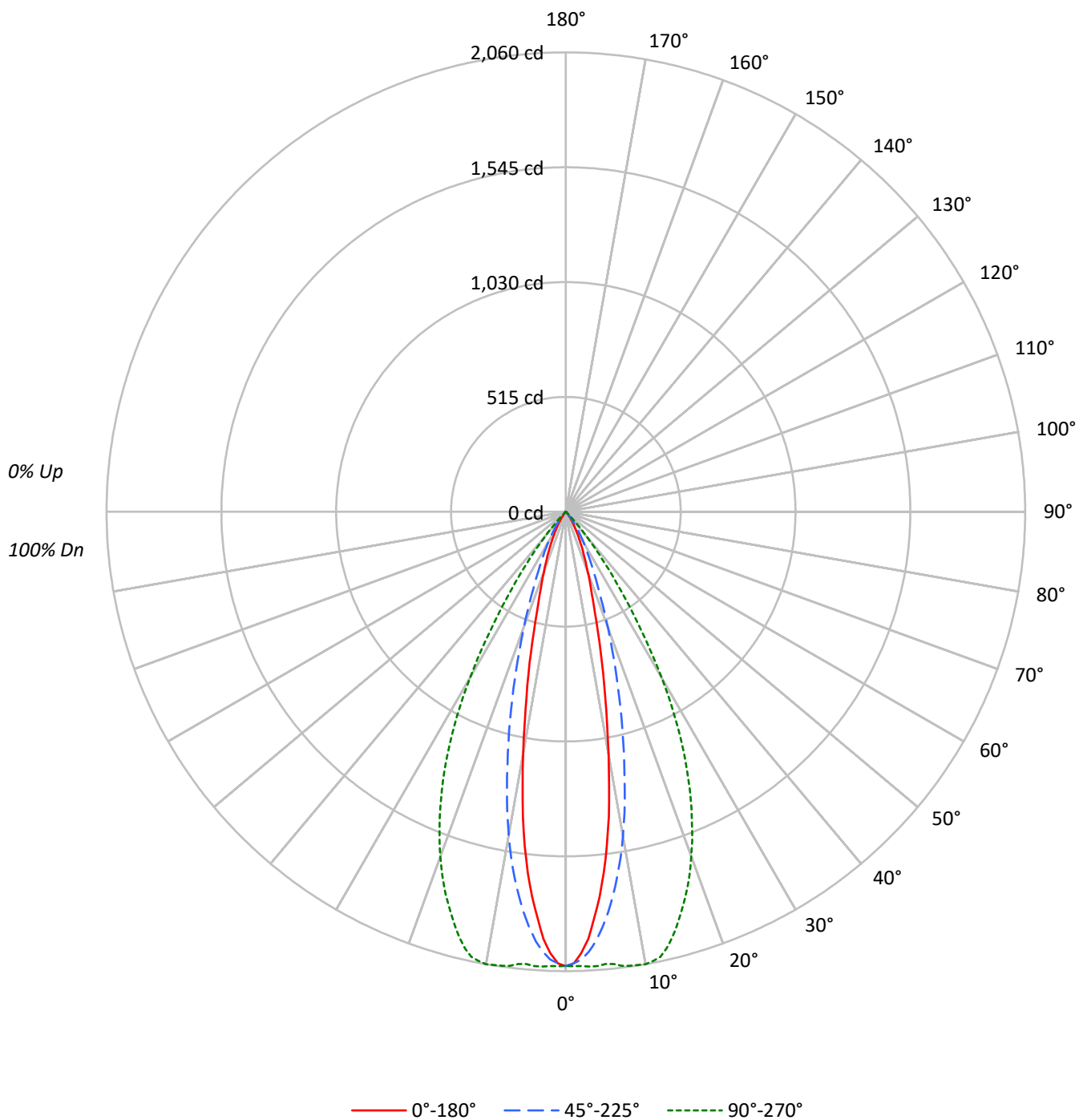
Lumens per Lamp: N/A
Luminaire Lumens: 811.5 lumens
Efficiency: N/A
Efficacy: 57.6 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 14.1
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	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103	102	101	100	99	98	97	97	97	95
2	110	106	102	99	108	104	101	98	101	98	96	98	96	94	95	93	92	92	92	90
3	105	100	96	92	103	99	95	92	96	93	90	94	91	89	91	89	87	87	87	86
4	101	95	90	87	99	94	89	86	92	88	85	90	87	84	88	85	83	83	83	82
5	97	90	85	82	96	89	85	81	88	84	81	86	83	80	85	82	79	79	79	78
6	93	86	81	77	92	85	81	77	84	80	77	82	79	76	81	78	76	76	76	74
7	90	82	77	74	89	81	77	73	80	76	73	79	75	73	78	75	72	72	72	71
8	86	79	74	70	85	78	73	70	77	73	70	76	72	69	75	72	69	69	69	68
9	83	75	70	67	82	75	70	67	74	70	67	73	69	66	72	69	66	66	66	65
10	80	72	67	64	79	72	67	64	71	67	64	70	66	64	70	66	64	64	64	62

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1005126	1005126	1005126
5°	858311	927745	1007975
10°	552623	739636	1032004
15°	283475	493298	982049
20°	151417	288291	863771
25°	84376	158029	702611
30°	45005	90010	489416
35°	19634	43425	255127
40°	5732	12752	96670
45°	1395	3419	14443
50°	768	768	1535
55°	860	860	860
60°	0	987	987
65°	0	1167	1167
70°	0	1442	1442
75°	0	1906	1906
80°	0	2841	2841
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 14443 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	168.1	20.7
10°-20°	306.1	37.7
20°-30°	232.0	28.6
30°-40°	92.8	11.4
40°-50°	9.4	1.2
50°-60°	1.0	0.1
60°-70°	0.9	0.1
70°-80°	0.9	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°	706.3	87.0
0°-40°	799.1	98.5
0°-60°	809.5	99.8
0°-90°	811.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	811.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2037	2037	2037	2037	2037	
5°	1733	1772	1873	1982	2035	145
15°	555	644	966	1590	1923	159
25°	155	181	290	830	1291	73
35°	33	40	72	219	424	22
45°	2	3	5	10	21	2
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°	2037.3	2037.3	2037.3	2037.3	2037.3
1°	2026.4	2027.4	2025.4	2028.4	2038.3
2°	1981.0	1995.8	2008.6	2021.5	2038.3
3°	1917.8	1935.6	1976.0	2016.5	2042.2
4°	1825.0	1861.5	1930.6	2004.7	2042.2
5°	1733.1	1771.6	1873.3	1982.0	2035.3
6°	1628.4	1683.7	1807.2	1960.2	2039.2
7°	1509.9	1578.1	1734.1	1946.4	2051.1
8°	1381.6	1458.6	1654.1	1916.8	2056.0
9°	1239.3	1333.2	1569.2	1881.2	2058.0
10°	1103.1	1201.8	1476.4	1840.8	2060.0
11°	966.8	1069.5	1375.6	1801.3	2052.1
12°	851.2	949.0	1270.0	1759.8	2040.2
13°	744.6	839.4	1165.3	1710.4	2009.6
14°	645.8	738.7	1064.6	1653.1	1969.1
15°	555.0	643.9	965.8	1589.9	1922.7
16°	473.0	556.0	871.0	1519.8	1871.4
17°	413.8	479.9	782.1	1445.7	1821.0
18°	367.4	416.7	698.2	1372.7	1767.7
19°	325.9	365.4	620.2	1296.6	1708.4
20°	288.4	323.9	549.1	1217.6	1645.2
21°	256.8	287.4	482.9	1139.6	1581.0
22°	229.1	255.8	423.6	1062.6	1510.9
23°	203.4	227.1	373.3	984.6	1440.8
24°	178.7	204.4	328.8	905.6	1367.7
25°	155.0	180.7	290.3	829.5	1290.7
26°	136.3	160.0	257.7	755.5	1210.7
27°	117.5	142.2	229.1	684.4	1129.7
28°	102.7	125.4	203.4	616.2	1041.8
29°	88.9	110.6	179.7	549.1	952.0
30°	79.0	95.8	158.0	485.9	859.1
32.5°	54.3	64.2	110.6	341.7	627.1
35°	32.6	40.5	72.1	219.2	423.6
37.5°	17.8	21.7	41.5	131.3	266.6
40°	8.9	10.9	19.8	64.2	150.1
42.5°	4.0	4.9	8.9	24.7	64.2
45°	2.0	3.0	4.9	9.9	20.7
47.5°	1.0	2.0	2.0	4.0	5.9
50°	1.0	1.0	1.0	2.0	2.0
52.5°	1.0	1.0	1.0	2.0	2.0
55°	1.0	1.0	1.0	1.0	1.0
57.5°	0.0	1.0	1.0	1.0	1.0
60°	0.0	1.0	1.0	1.0	1.0
62.5°	0.0	1.0	1.0	1.0	1.0
65°	0.0	1.0	1.0	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	1.0	1.0	1.0	1.0
70°	0.0	1.0	1.0	1.0	1.0
72.5°	0.0	1.0	1.0	1.0	1.0
75°	0.0	1.0	1.0	1.0	1.0
77.5°	0.0	1.0	1.0	1.0	1.0
80°	0.0	0.0	1.0	1.0	1.0
82.5°	0.0	0.0	1.0	1.0	1.0
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)