

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: P1179428

Luminaire Tested: LDA2B159030R2060D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179428
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: LDA2B159030R2060D010 2LBDC1MMS
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

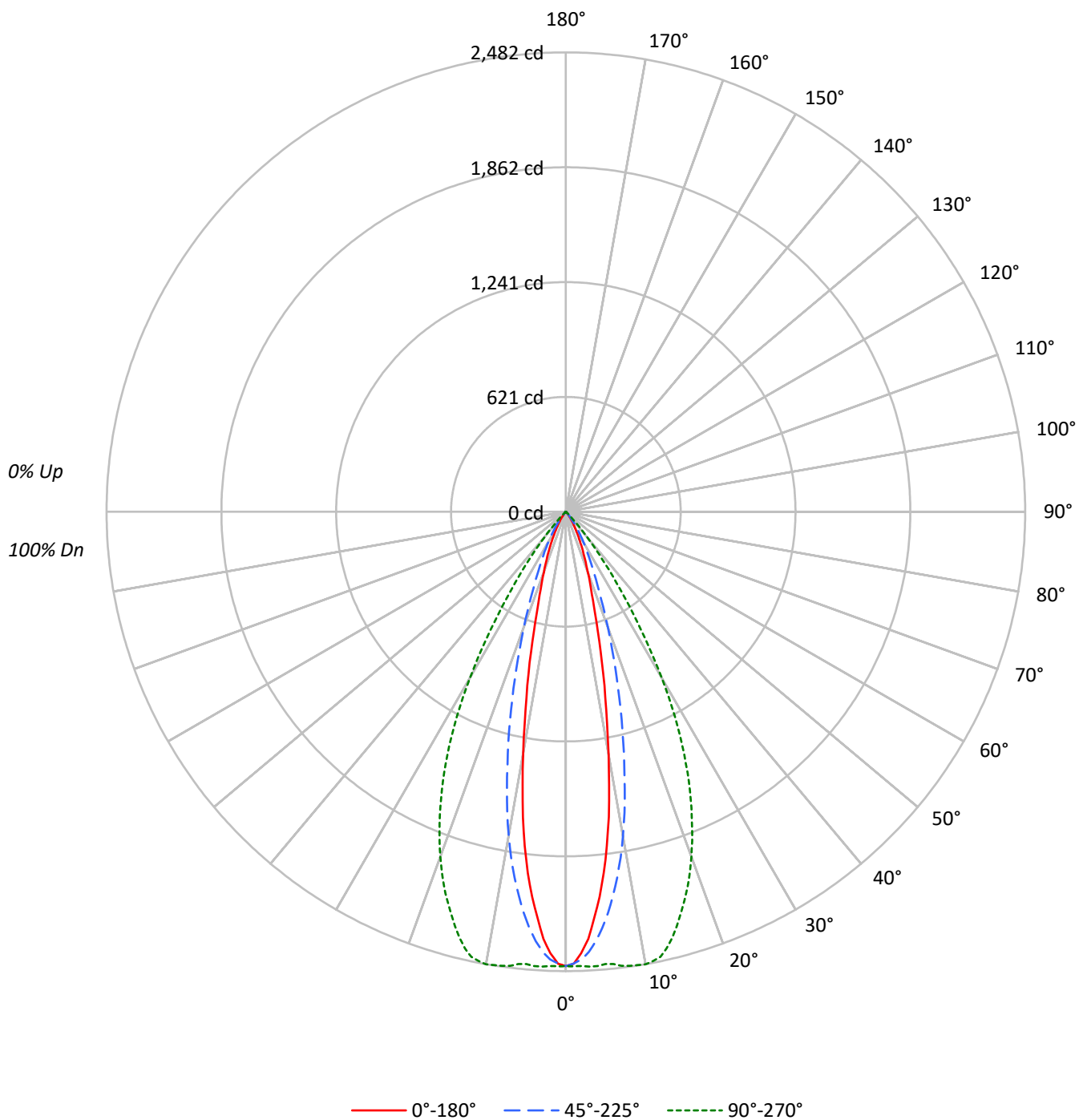
Lumens per Lamp: N/A
Luminaire Lumens: 977.9 lumens
Efficiency: N/A
Efficacy: 69.4 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1179428

CATALOG NUMBER: LDA2B159030R2060D010 2LBDC1MMS

Luminous Intensity Polar Plot



TEST NUMBER: P1179428

CATALOG NUMBER: LDA2B159030R2060D010 2LBDC1MMS

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					0
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°	1211203	1211203	1211203
5°	1034322	1118019	1214641
10°	665943	891281	1243615
15°	341600	594429	1183444
20°	182446	347409	1040914
25°	101687	190473	846705
30°	54234	108468	589795
35°	23670	52338	307466
40°	6891	15328	116506
45°	1675	4186	17443
50°	921	921	1842
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: 17443 cd/sqm

TEST NUMBER: P1179428

CATALOG NUMBER: LDA2B159030R2060D010 2LBDC1MMS

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.6	20.7
10°-20°	368.9	37.7
20°-30°	279.6	28.6
30°-40°	111.9	11.4
40°-50°	11.4	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°	851.1	87.0
0°-40°	963.0	98.5
0°-60°	975.5	99.8
0°-90°	977.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	977.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2455	2455	2455	2455	2455	
5°	2088	2135	2258	2388	2453	175
15°	669	776	1164	1916	2317	191
25°	187	218	350	1000	1555	89
35°	39	49	87	264	510	27
45°	2	4	6	12	25	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	

TEST NUMBER: P1179428

CATALOG NUMBER: LDA2B159030R2060D010 2LBDC1MMS

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2455.0	2455.0	2455.0	2455.0	2455.0
1°	2441.9	2443.1	2440.7	2444.3	2456.2
2°	2387.2	2405.0	2420.5	2436.0	2456.2
3°	2311.0	2332.5	2381.2	2430.0	2461.0
4°	2199.2	2243.2	2326.5	2415.8	2461.0
5°	2088.5	2134.9	2257.5	2388.4	2452.6
6°	1962.4	2029.0	2177.8	2362.2	2457.4
7°	1819.6	1901.7	2089.7	2345.5	2471.7
8°	1664.8	1757.7	1993.3	2309.8	2477.6
9°	1493.5	1606.5	1891.0	2267.0	2480.0
10°	1329.3	1448.3	1779.1	2218.2	2482.4
11°	1165.0	1288.8	1657.7	2170.6	2472.9
12°	1025.8	1143.6	1530.4	2120.6	2458.6
13°	897.3	1011.5	1404.2	2061.1	2421.7
14°	778.3	890.1	1282.9	1992.1	2372.9
15°	668.8	775.9	1163.8	1915.9	2317.0
16°	570.0	670.0	1049.6	1831.5	2255.1
17°	498.6	578.4	942.5	1742.2	2194.4
18°	442.7	502.2	841.4	1654.1	2130.2
19°	392.7	440.3	747.3	1562.5	2058.7
20°	347.5	390.3	661.7	1467.3	1982.6
21°	309.4	346.3	581.9	1373.3	1905.2
22°	276.1	308.2	510.5	1280.5	1820.7
23°	245.1	273.7	449.8	1186.5	1736.3
24°	215.4	246.3	396.3	1091.3	1648.2
25°	186.8	217.8	349.9	999.6	1555.4
26°	164.2	192.8	310.6	910.4	1459.0
27°	141.6	171.4	276.1	824.7	1361.4
28°	123.8	151.1	245.1	742.6	1255.5
29°	107.1	133.3	216.6	661.7	1147.2
30°	95.2	115.4	190.4	585.5	1035.3
32.5°	65.5	77.4	133.3	411.7	755.7
35°	39.3	48.8	86.9	264.2	510.5
37.5°	21.4	26.2	50.0	158.3	321.3
40°	10.7	13.1	23.8	77.4	180.9
42.5°	4.8	6.0	10.7	29.8	77.4
45°	2.4	3.6	6.0	11.9	25.0
47.5°	1.2	2.4	2.4	4.8	7.1
50°	1.2	1.2	1.2	2.4	2.4
52.5°	1.2	1.2	1.2	2.4	2.4
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



TEST NUMBER: P1179428

CATALOG NUMBER: LDA2B159030R2060D010 2LBDC1MMS

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)