

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: P1179584

Luminaire Tested: LDA2B159727R2060D010 2LBDC1MMS

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179584
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: LDA2B159727R2060D010 2LBDC1MMS
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

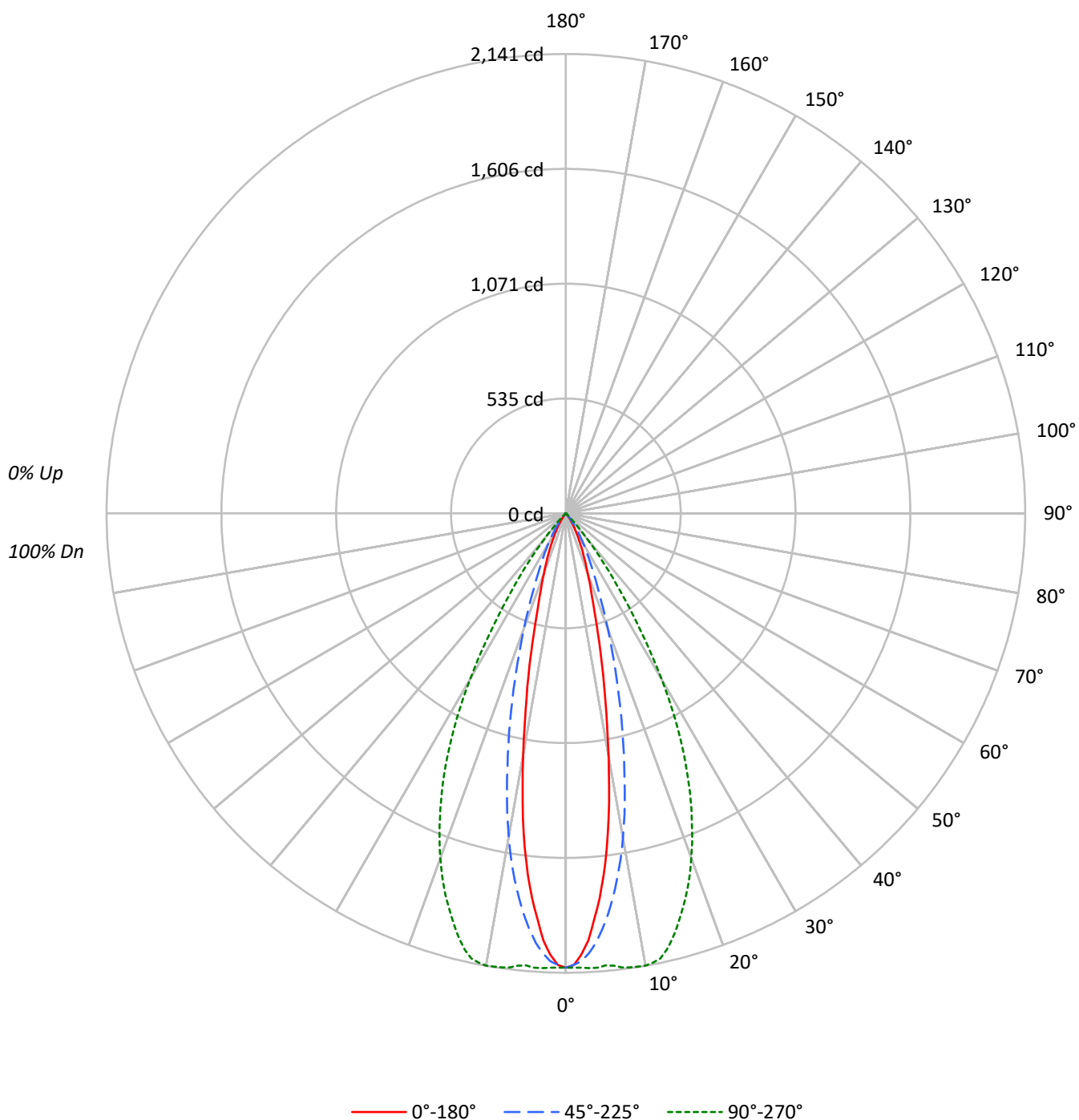
Lumens per Lamp: N/A
Luminaire Lumens: 843.3 lumens
Efficiency: N/A
Efficacy: 59.8 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	83	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°	1044595	1044595	1044595
5°	892038	964195	1047595
10°	574315	768692	1072532
15°	294610	512656	1020663
20°	157350	299579	897740
25°	87697	164235	730211
30°	46771	93542	508672
35°	20417	45111	265185
40°	5925	13203	100470
45°	1465	3558	15071
50°	768	768	1612
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: 15071 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.8	20.7
10°-20°	318.1	37.7
20°-30°	241.2	28.6
30°-40°	96.5	11.4
40°-50°	9.8	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°	734.0	87.0
0°-40°	830.5	98.5
0°-60°	841.3	99.8
0°-90°	843.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	843.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2117	2117	2117	2117	2117	
5°	1801	1841	1947	2060	2115	151
15°	577	669	1004	1652	1998	165
25°	161	188	302	862	1341	76
35°	34	42	75	228	440	23
45°	2	3	5	10	22	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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2117.3	2117.3	2117.3	2117.3	2117.3
1°	2106.0	2107.0	2105.0	2108.1	2118.3
2°	2058.8	2074.2	2087.5	2100.9	2118.3
3°	1993.1	2011.6	2053.7	2095.8	2122.4
4°	1896.6	1934.6	2006.5	2083.4	2122.4
5°	1801.2	1841.2	1946.9	2059.8	2115.3
6°	1692.4	1749.9	1878.2	2037.3	2119.4
7°	1569.2	1640.1	1802.2	2022.9	2131.7
8°	1435.8	1515.9	1719.1	1992.1	2136.8
9°	1288.0	1385.5	1630.8	1955.1	2138.9
10°	1146.4	1249.0	1534.4	1913.1	2140.9
11°	1004.8	1111.5	1429.7	1872.0	2132.7
12°	884.7	986.3	1319.9	1828.9	2120.4
13°	773.8	872.4	1211.1	1777.6	2088.6
14°	671.2	767.7	1106.4	1718.1	2046.5
15°	576.8	669.2	1003.7	1652.4	1998.3
16°	491.6	577.8	905.2	1579.5	1944.9
17°	430.0	498.8	812.8	1502.5	1892.5
18°	381.8	433.1	725.6	1426.6	1837.1
19°	338.7	379.7	644.5	1347.6	1775.5
20°	299.7	336.6	570.6	1265.5	1709.9
21°	266.8	298.7	501.9	1184.4	1643.1
22°	238.1	265.8	440.3	1104.3	1570.3
23°	211.4	236.1	388.0	1023.2	1497.4
24°	185.8	212.4	341.8	941.1	1421.5
25°	161.1	187.8	301.7	862.1	1341.4
26°	141.6	166.3	267.9	785.1	1258.3
27°	122.1	147.8	238.1	711.2	1174.1
28°	106.7	130.3	211.4	640.4	1082.8
29°	92.4	114.9	186.8	570.6	989.4
30°	82.1	99.6	164.2	505.0	892.9
32.5°	56.4	66.7	114.9	355.1	651.7
35°	33.9	42.1	74.9	227.8	440.3
37.5°	18.5	22.6	43.1	136.5	277.1
40°	9.2	11.3	20.5	66.7	156.0
42.5°	4.1	5.1	9.2	25.7	66.7
45°	2.1	3.1	5.1	10.3	21.6
47.5°	1.0	2.1	2.1	4.1	6.2
50°	1.0	1.0	1.0	2.1	2.1
52.5°	1.0	1.0	1.0	2.1	2.1
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)