

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: P1178143

Luminaire Tested: LDA2B058027R2060D010 2LBD1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178143
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: LDA2B058027R2060D010 2LBD1MB
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 2700K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

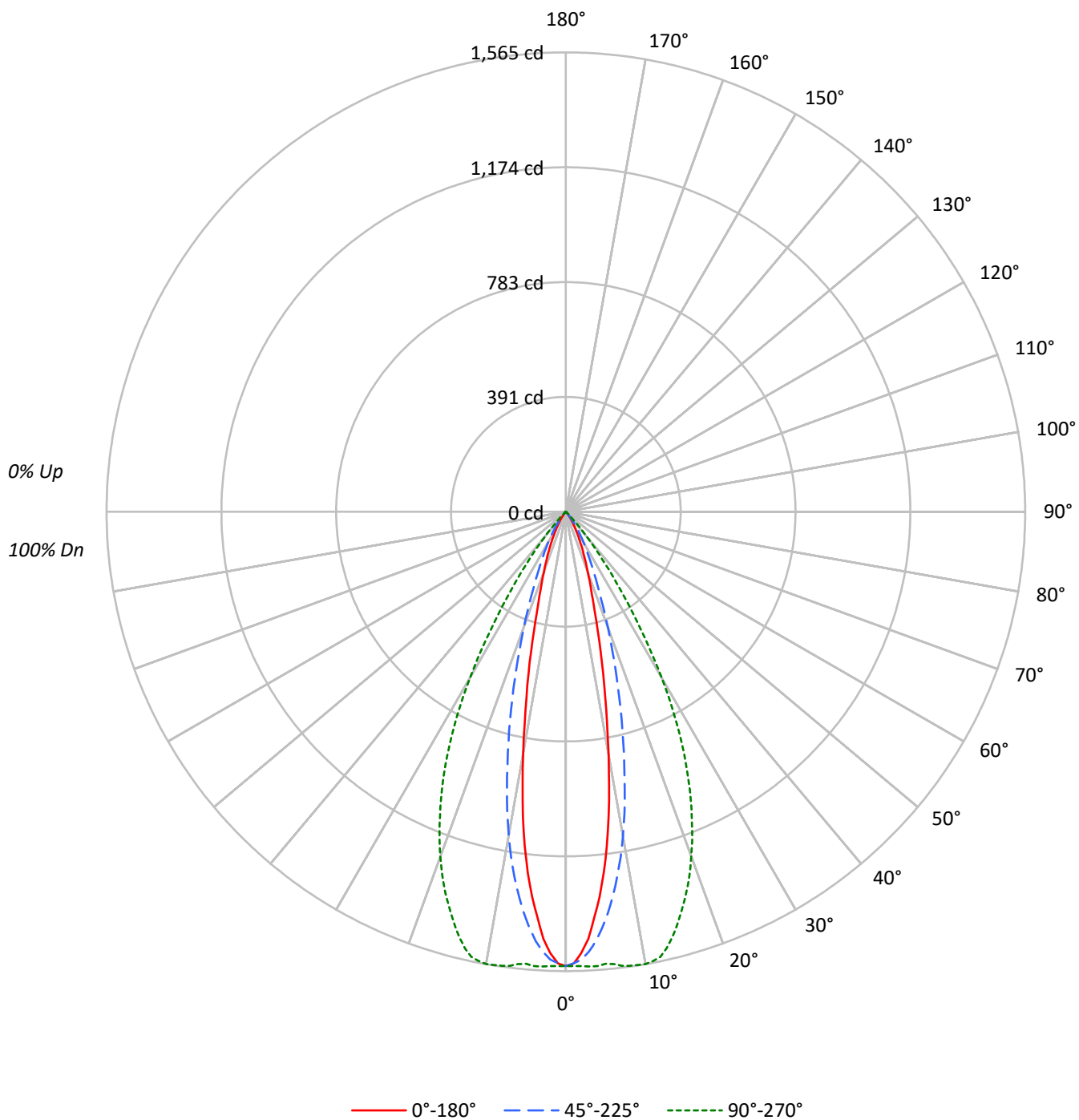
Lumens per Lamp: N/A
Luminaire Lumens: 616.6 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 7
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°	763527	763527	763527
5°	651992	704785	765700
10°	419765	561841	783922
15°	215339	374749	746024
20°	114980	218988	656176
25°	64126	120032	533749
30°	34181	68362	371777
35°	14937	33005	193815
40°	4379	9661	73420
45°	1047	2651	11024
50°	614	614	1151
55°	688	688	688
60°	0	789	789
65°	0	934	934
70°	0	1154	1154
75°	0	1525	1525
80°	0	2273	2273
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 11024 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.7	20.7
10°-20°	232.5	37.7
20°-30°	176.3	28.6
30°-40°	70.5	11.4
40°-50°	7.2	1.2
50°-60°	0.8	0.1
60°-70°	0.7	0.1
70°-80°	0.7	0.1
80°-90°	0.2	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°	536.5	87.0
0°-40°	607.0	98.4
0°-60°	615.0	99.7
0°-90°	616.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	616.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1548	1548	1548	1548	1548	
5°	1316	1346	1423	1506	1546	110
15°	422	489	734	1208	1461	121
25°	118	137	220	630	980	56
35°	25	31	55	166	322	17
45°	2	2	4	8	16	2
55°	1	1	1	1	1	0
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°	1547.6	1547.6	1547.6	1547.6	1547.6
1°	1539.3	1540.1	1538.6	1540.8	1548.3
2°	1504.8	1516.1	1525.8	1535.6	1548.3
3°	1456.8	1470.3	1501.1	1531.8	1551.3
4°	1386.3	1414.1	1466.6	1522.8	1551.3
5°	1316.5	1345.8	1423.1	1505.6	1546.1
6°	1237.0	1279.0	1372.8	1489.1	1549.1
7°	1147.0	1198.8	1317.3	1478.6	1558.1
8°	1049.5	1108.0	1256.5	1456.1	1561.8
9°	941.5	1012.7	1192.0	1429.1	1563.3
10°	837.9	913.0	1121.5	1398.3	1564.8
11°	734.4	812.4	1045.0	1368.3	1558.8
12°	646.6	720.9	964.7	1336.8	1549.8
13°	565.6	637.6	885.2	1299.3	1526.6
14°	490.6	561.1	808.7	1255.8	1495.8
15°	421.6	489.1	733.7	1207.8	1460.6
16°	359.3	422.3	661.6	1154.5	1421.6
17°	314.3	364.6	594.1	1098.2	1383.3
18°	279.1	316.6	530.4	1042.7	1342.8
19°	247.6	277.6	471.1	985.0	1297.8
20°	219.0	246.1	417.1	925.0	1249.8
21°	195.0	218.3	366.8	865.7	1201.0
22°	174.0	194.3	321.8	807.2	1147.8
23°	154.5	172.5	283.6	747.9	1094.5
24°	135.8	155.3	249.8	687.9	1039.0
25°	117.8	137.3	220.5	630.1	980.5
26°	103.5	121.5	195.8	573.9	919.7
27°	89.3	108.0	174.0	519.9	858.2
28°	78.0	95.3	154.5	468.1	791.4
29°	67.5	84.0	136.5	417.1	723.2
30°	60.0	72.8	120.0	369.1	652.6
32.5°	41.3	48.8	84.0	259.6	476.4
35°	24.8	30.8	54.8	166.5	321.8
37.5°	13.5	16.5	31.5	99.8	202.5
40°	6.8	8.3	15.0	48.8	114.0
42.5°	3.0	3.8	6.8	18.8	48.8
45°	1.5	2.3	3.8	7.5	15.8
47.5°	0.8	1.5	1.5	3.0	4.5
50°	0.8	0.8	0.8	1.5	1.5
52.5°	0.8	0.8	0.8	1.5	1.5
55°	0.8	0.8	0.8	0.8	0.8
57.5°	0.0	0.8	0.8	0.8	0.8
60°	0.0	0.8	0.8	0.8	0.8
62.5°	0.0	0.8	0.8	0.8	0.8
65°	0.0	0.8	0.8	0.8	0.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.8	0.8	0.8	0.8
70°	0.0	0.8	0.8	0.8	0.8
72.5°	0.0	0.8	0.8	0.8	0.8
75°	0.0	0.8	0.8	0.8	0.8
77.5°	0.0	0.8	0.8	0.8	0.8
80°	0.0	0.0	0.8	0.8	0.8
82.5°	0.0	0.0	0.8	0.8	0.8
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)