

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: P1178411

Luminaire Tested: LDA2B059030R2060D010 2LBD1H

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178411
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: LDA2B059030R2060D010 2LBD1H
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

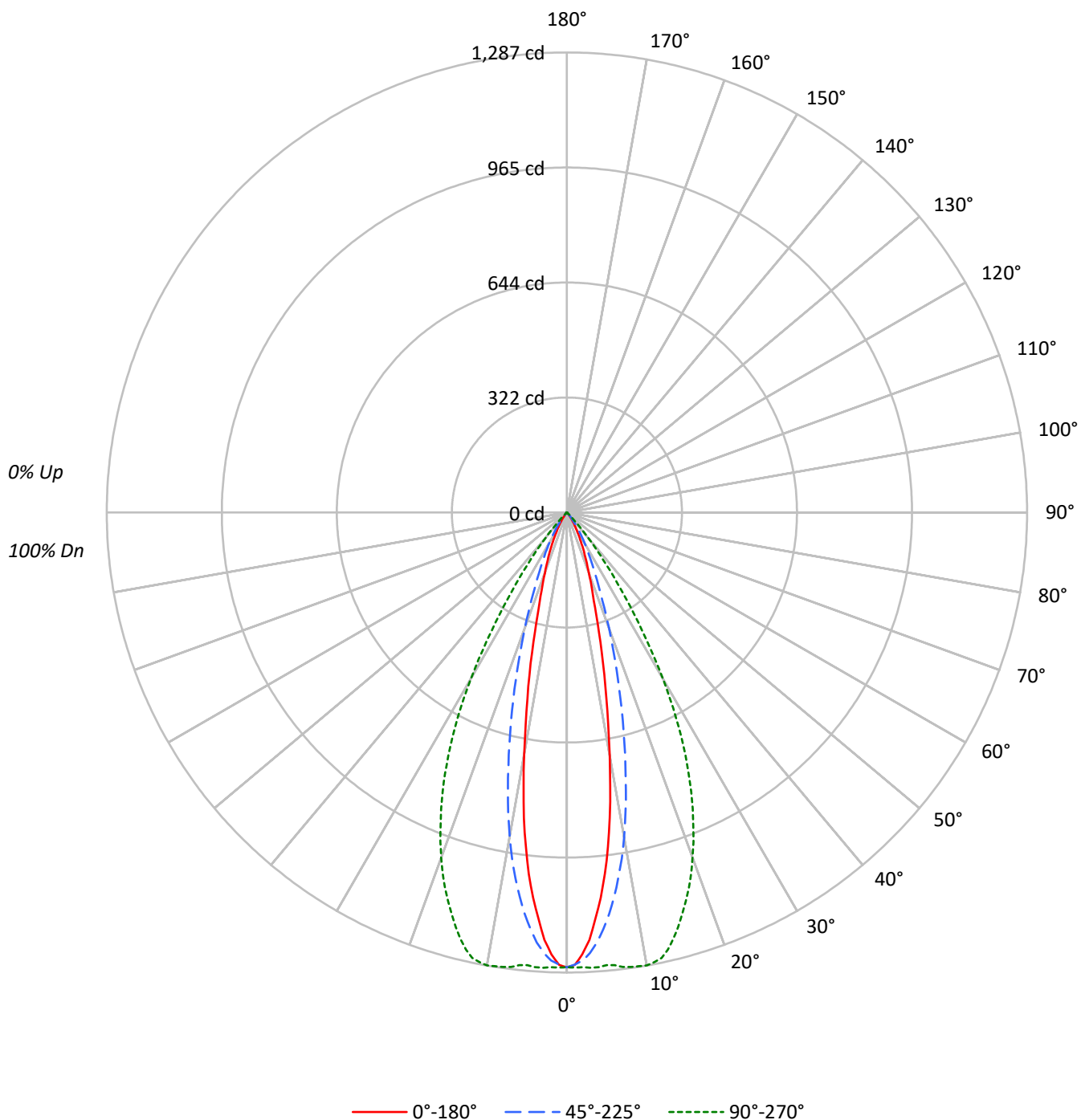
Lumens per Lamp: N/A
Luminaire Lumens: 506.8 lumens
Efficiency: N/A
Efficacy: 72.4 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	627754	627754	627754
5°	536055	579438	629508
10°	345120	461947	644551
15°	177031	308094	613327
20°	94557	180031	539463
25°	52694	98693	438812
30°	28085	56228	305693
35°	12287	27103	159364
40°	3607	7922	60346
45°	837	2163	9070
50°	461	461	921
55°	516	516	516
60°	0	592	592
65°	0	700	700
70°	0	865	865
75°	0	1144	1144
80°	0	1705	1705
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 9070 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.0	20.7
10°-20°	191.2	37.7
20°-30°	144.9	28.6
30°-40°	58.0	11.4
40°-50°	5.9	1.2
50°-60°	0.6	0.1
60°-70°	0.5	0.1
70°-80°	0.5	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°	441.1	87.0
0°-40°	499.1	98.5
0°-60°	505.6	99.8
0°-90°	506.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	506.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1272	1272	1272	1272	1272	
5°	1082	1106	1170	1238	1271	91
15°	347	402	603	993	1201	99
25°	97	113	181	518	806	46
35°	20	25	45	137	265	14
45°	1	2	3	6	13	1
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°	1272.4	1272.4	1272.4	1272.4	1272.4
1°	1265.6	1266.2	1265.0	1266.8	1273.0
2°	1237.2	1246.5	1254.5	1262.5	1273.0
3°	1197.7	1208.8	1234.1	1259.4	1275.5
4°	1139.8	1162.6	1205.8	1252.0	1275.5
5°	1082.4	1106.5	1170.0	1237.8	1271.1
6°	1017.0	1051.6	1128.7	1224.3	1273.6
7°	943.0	985.6	1083.0	1215.6	1281.0
8°	862.8	911.0	1033.1	1197.1	1284.1
9°	774.0	832.6	980.0	1174.9	1285.3
10°	688.9	750.6	922.1	1149.6	1286.6
11°	603.8	667.9	859.1	1125.0	1281.6
12°	531.6	592.7	793.2	1099.1	1274.2
13°	465.0	524.2	727.8	1068.2	1255.1
14°	403.4	461.3	664.9	1032.5	1229.8
15°	346.6	402.1	603.2	993.0	1200.8
16°	295.4	347.2	544.0	949.2	1168.8
17°	258.4	299.7	488.5	902.9	1137.3
18°	229.4	260.3	436.0	857.3	1104.0
19°	203.5	228.2	387.3	809.8	1067.0
20°	180.1	202.3	342.9	760.5	1027.5
21°	160.4	179.5	301.6	711.7	987.4
22°	143.1	159.7	264.6	663.6	943.6
23°	127.1	141.9	233.1	614.9	899.8
24°	111.6	127.7	205.4	565.6	854.2
25°	96.8	112.9	181.3	518.1	806.1
26°	85.1	99.9	161.0	471.8	756.1
27°	73.4	88.8	143.1	427.4	705.6
28°	64.1	78.3	127.1	384.9	650.7
29°	55.5	69.1	112.2	342.9	594.6
30°	49.3	59.8	98.7	303.4	536.6
32.5°	33.9	40.1	69.1	213.4	391.6
35°	20.4	25.3	45.0	136.9	264.6
37.5°	11.1	13.6	25.9	82.0	166.5
40°	5.6	6.8	12.3	40.1	93.7
42.5°	2.5	3.1	5.6	15.4	40.1
45°	1.2	1.9	3.1	6.2	13.0
47.5°	0.6	1.2	1.2	2.5	3.7
50°	0.6	0.6	0.6	1.2	1.2
52.5°	0.6	0.6	0.6	1.2	1.2
55°	0.6	0.6	0.6	0.6	0.6
57.5°	0.0	0.6	0.6	0.6	0.6
60°	0.0	0.6	0.6	0.6	0.6
62.5°	0.0	0.6	0.6	0.6	0.6
65°	0.0	0.6	0.6	0.6	0.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.6	0.6	0.6	0.6
70°	0.0	0.6	0.6	0.6	0.6
72.5°	0.0	0.6	0.6	0.6	0.6
75°	0.0	0.6	0.6	0.6	0.6
77.5°	0.0	0.6	0.6	0.6	0.6
80°	0.0	0.0	0.6	0.6	0.6
82.5°	0.0	0.0	0.6	0.6	0.6
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)