

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: P1178529

Luminaire Tested: LDA2B059050R2060D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1178529
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: LDA2B059050R2060D010 2LBD1LI
Description: 500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

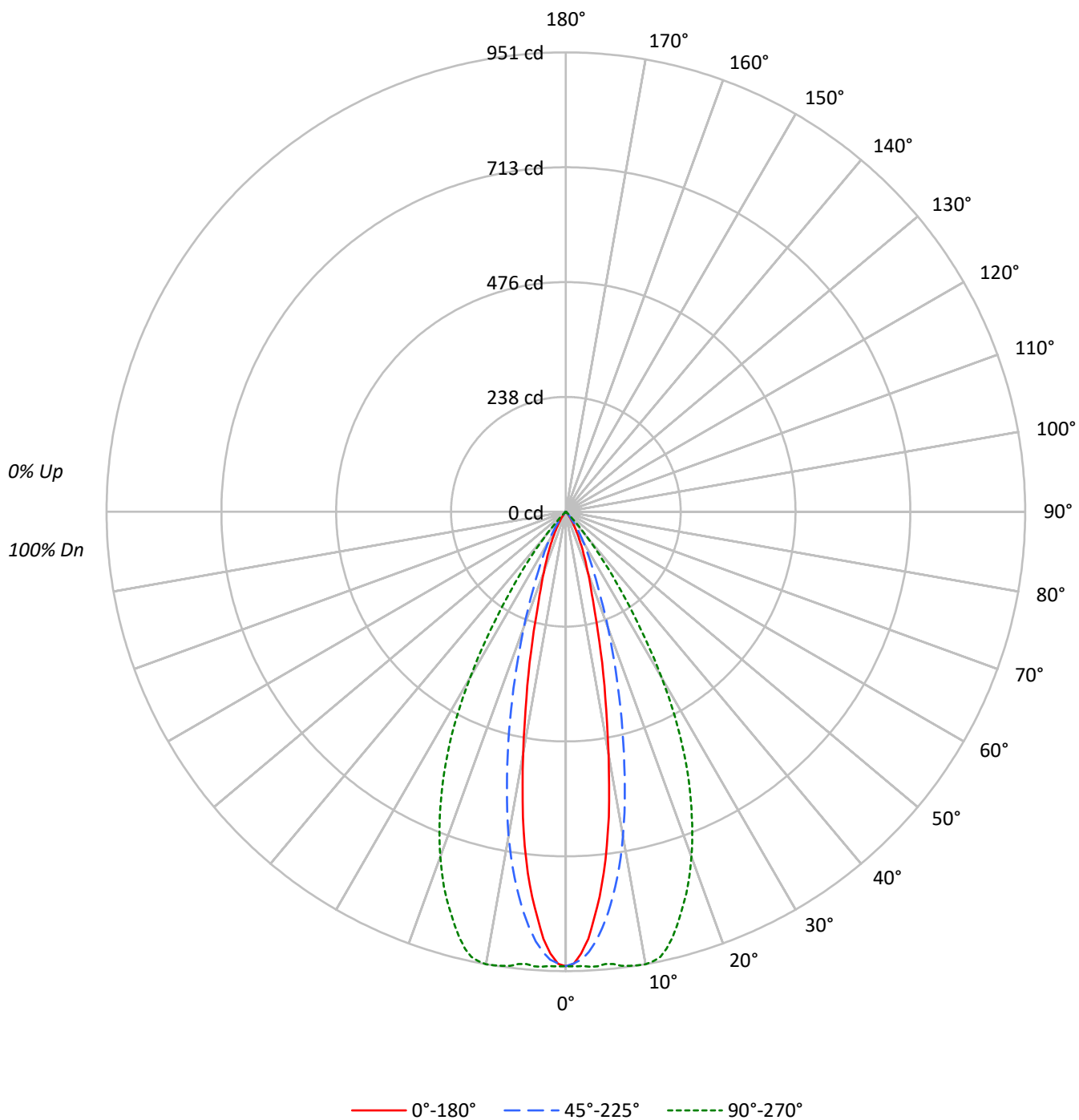
Lumens per Lamp: N/A
Luminaire Lumens: 374.9 lumens
Efficiency: N/A
Efficacy: 53.6 lumens/watt
Spacing Criteria (0/90/45): 0.36 / 0.9 / 0.52
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

Input Watts (W): 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	80	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°	464155	464155	464155
5°	396395	428438	465482
10°	255195	341563	476575
15°	130909	227802	453509
20°	69933	133146	398914
25°	38976	72999	324496
30°	20794	41587	226051
35°	9034	20056	117807
40°	2641	5861	44632
45°	628	1605	6698
50°	384	384	691
55°	430	430	430
60°	0	493	493
65°	0	584	584
70°	0	721	721
75°	0	953	953
80°	0	1421	1421
85°	0	0	0

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 6698 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.7	20.7
10°-20°	141.4	37.7
20°-30°	107.2	28.6
30°-40°	42.9	11.4
40°-50°	4.4	1.2
50°-60°	0.5	0.1
60°-70°	0.4	0.1
70°-80°	0.4	0.1
80°-90°	0.1	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°	326.2	87.0
0°-40°	369.0	98.4
0°-60°	373.9	99.7
0°-90°	374.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	374.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	941	941	941	941	941	
5°	800	818	865	915	940	67
15°	256	297	446	734	888	73
25°	72	84	134	383	596	34
35°	15	19	33	101	196	10
45°	1	1	2	5	10	1
55°	0	0	0	0	0	0
65°	0	0	0	0	0	0
75°	0	0	0	0	0	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°	940.8	940.8	940.8	940.8	940.8
1°	935.8	936.3	935.4	936.7	941.3
2°	914.8	921.7	927.6	933.5	941.3
3°	885.6	893.9	912.6	931.3	943.1
4°	842.8	859.7	891.6	925.8	943.1
5°	800.4	818.2	865.1	915.3	939.9
6°	752.0	777.6	834.6	905.3	941.7
7°	697.3	728.8	800.8	898.9	947.2
8°	638.0	673.6	763.9	885.2	949.5
9°	572.3	615.7	724.7	868.8	950.4
10°	509.4	555.0	681.8	850.1	951.3
11°	446.5	493.9	635.3	831.8	947.7
12°	393.1	438.3	586.5	812.7	942.2
13°	343.9	387.6	538.1	789.9	928.1
14°	298.3	341.1	491.6	763.4	909.4
15°	256.3	297.3	446.0	734.2	887.9
16°	218.4	256.8	402.2	701.9	864.2
17°	191.1	221.6	361.2	667.7	841.0
18°	169.6	192.5	322.4	633.9	816.3
19°	150.5	168.7	286.4	598.8	789.0
20°	133.2	149.6	253.6	562.3	759.8
21°	118.6	132.7	223.0	526.3	730.1
22°	105.8	118.1	195.6	490.7	697.8
23°	93.9	104.9	172.4	454.7	665.4
24°	82.5	94.4	151.9	418.2	631.6
25°	71.6	83.5	134.1	383.1	596.1
26°	62.9	73.9	119.0	348.9	559.1
27°	54.3	65.7	105.8	316.0	521.7
28°	47.4	57.9	93.9	284.6	481.1
29°	41.0	51.1	83.0	253.6	439.6
30°	36.5	44.2	73.0	224.4	396.8
32.5°	25.1	29.6	51.1	157.8	289.6
35°	15.0	18.7	33.3	101.2	195.6
37.5°	8.2	10.0	19.2	60.7	123.1
40°	4.1	5.0	9.1	29.6	69.3
42.5°	1.8	2.3	4.1	11.4	29.6
45°	0.9	1.4	2.3	4.6	9.6
47.5°	0.5	0.9	0.9	1.8	2.7
50°	0.5	0.5	0.5	0.9	0.9
52.5°	0.5	0.5	0.5	0.9	0.9
55°	0.5	0.5	0.5	0.5	0.5
57.5°	0.0	0.5	0.5	0.5	0.5
60°	0.0	0.5	0.5	0.5	0.5
62.5°	0.0	0.5	0.5	0.5	0.5
65°	0.0	0.5	0.5	0.5	0.5



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
67.5°	0.0	0.5	0.5	0.5	0.5
70°	0.0	0.5	0.5	0.5	0.5
72.5°	0.0	0.5	0.5	0.5	0.5
75°	0.0	0.5	0.5	0.5	0.5
77.5°	0.0	0.5	0.5	0.5	0.5
80°	0.0	0.0	0.5	0.5	0.5
82.5°	0.0	0.0	0.5	0.5	0.5
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)