

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: P1179201

Luminaire Tested: LDA2B158035R2040D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179201
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B158035R2040D010 2LBD1LI
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

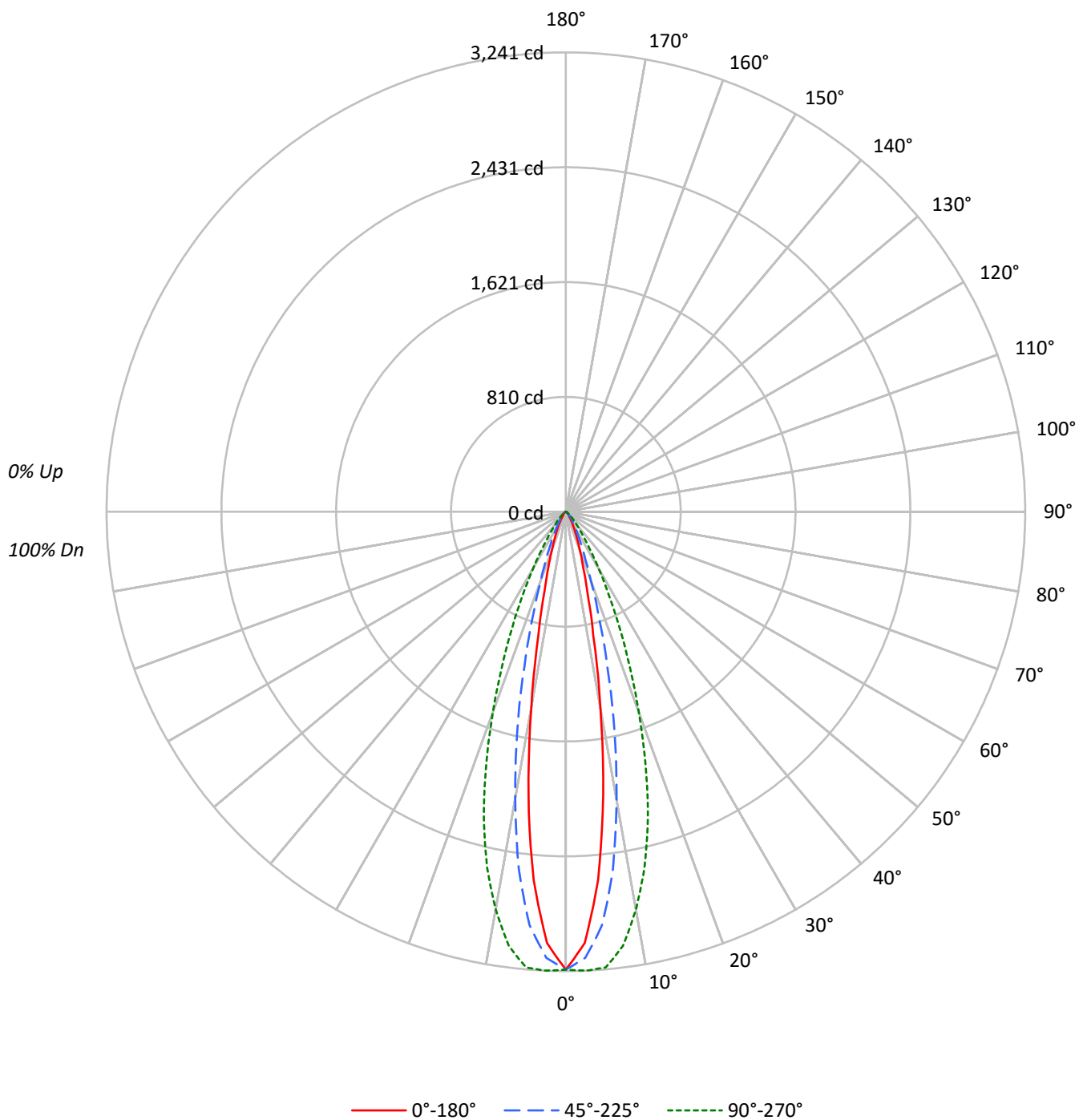
Lumens per Lamp: N/A
Luminaire Lumens: 910.4 lumens
Efficiency: N/A
Efficacy: 64.6 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	94	92	92	92	91
3	106	100	96	93	104	99	95	92	96	93	91	94	92	89	92	90	88	88	88	87
4	102	95	91	88	100	94	90	87	92	89	86	90	87	85	89	86	84	84	84	83
5	98	91	86	83	97	90	86	83	89	85	82	87	84	81	86	83	81	81	81	79
6	94	87	83	79	93	87	82	79	85	81	78	84	80	78	83	80	77	77	77	76
7	91	84	79	76	90	83	79	75	82	78	75	81	77	75	80	77	74	74	74	73
8	88	81	76	73	87	80	76	72	79	75	72	78	75	72	77	74	72	72	72	70
9	85	78	73	70	84	77	73	70	76	72	70	76	72	69	75	72	69	69	69	68
10	83	75	70	67	82	75	70	67	74	70	67	73	70	67	73	69	67	67	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1593559	1593559	1593559
5°	1291702	1450775	1597714
10°	702264	1030050	1426720
15°	297061	578034	1142021
20°	151627	271805	789637
25°	83941	139031	481273
30°	46999	77249	262454
35°	27223	46737	133707
40°	20223	35422	74000
45°	17792	24002	43887
50°	18881	15811	23410
55°	13504	11010	12644
60°	8683	7795	7795
65°	6888	6888	6888
70°	5626	5626	5626
75°	5528	5528	5528
80°	5682	5682	5682
85°	5661	5661	5661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 43887 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	251.7	27.6
10°-20°	355.9	39.1
20°-30°	183.3	20.1
30°-40°	67.5	7.4
40°-50°	29.6	3.3
50°-60°	13.0	1.4
60°-70°	5.7	0.6
70°-80°	2.8	0.3
80°-90°	0.8	0.1
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°	790.9	86.9
0°-40°	858.4	94.3
0°-60°	901.0	99.0
0°-90°	910.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	910.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3230	3230	3230	3230	3230	
5°	2608	2697	2929	3137	3226	210
15°	582	676	1132	1888	2236	178
25°	154	173	255	586	884	74
35°	45	52	78	136	222	31
45°	26	30	34	41	63	21
55°	16	14	13	14	15	14
65°	6	6	6	5	6	6
75°	3	3	3	3	3	3
85°	1	1	1	1	1	1
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3230.0	3230.0	3230.0	3230.0	3230.0
2.5°	3045.3	3081.7	3149.5	3214.3	3240.8
5°	2608.2	2696.6	2929.4	3136.7	3226.1
7.5°	2019.7	2165.1	2542.4	2930.4	3089.5
10°	1401.8	1549.2	2056.1	2614.1	2847.9
12.5°	894.0	1037.4	1584.6	2263.4	2566.9
15°	581.6	675.9	1131.7	1888.1	2235.9
17.5°	403.8	470.6	770.2	1490.3	1869.4
20°	288.8	336.0	517.7	1136.6	1504.0
22.5°	209.2	241.7	359.5	830.1	1169.0
25°	154.2	172.9	255.4	586.5	884.1
27.5°	114.0	125.7	184.7	404.7	646.4
30°	82.5	92.3	135.6	278.0	460.7
32.5°	59.9	68.8	101.2	192.5	321.2
35°	45.2	52.1	77.6	135.6	222.0
37.5°	37.3	41.3	63.9	98.2	157.2
40°	31.4	35.4	55.0	72.7	114.9
42.5°	27.5	32.4	45.2	54.0	86.4
45°	25.5	29.5	34.4	41.3	62.9
47.5°	25.5	24.6	26.5	31.4	44.2
50°	24.6	20.6	20.6	24.6	30.5
52.5°	20.6	16.7	16.7	17.7	20.6
55°	15.7	13.8	12.8	13.8	14.7
57.5°	11.8	11.8	10.8	9.8	10.8
60°	8.8	8.8	7.9	7.9	7.9
62.5°	6.9	6.9	6.9	5.9	6.9
65°	5.9	5.9	5.9	4.9	5.9
67.5°	4.9	4.9	3.9	4.9	4.9
70°	3.9	3.9	3.9	3.9	3.9
72.5°	2.9	2.9	2.9	2.9	2.9
75°	2.9	2.9	2.9	2.9	2.9
77.5°	2.0	2.0	2.0	2.0	2.0
80°	2.0	2.0	2.0	2.0	2.0
82.5°	1.0	1.0	1.0	1.0	1.0
85°	1.0	1.0	1.0	1.0	1.0
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)