

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: P1179213

Luminaire Tested: LDA2B158035R2050D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179213
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2206-683-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/17/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: PORTFOLIO
Catalog Number: LDA2B158035R2050D010 2LBD1LI
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 3500K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

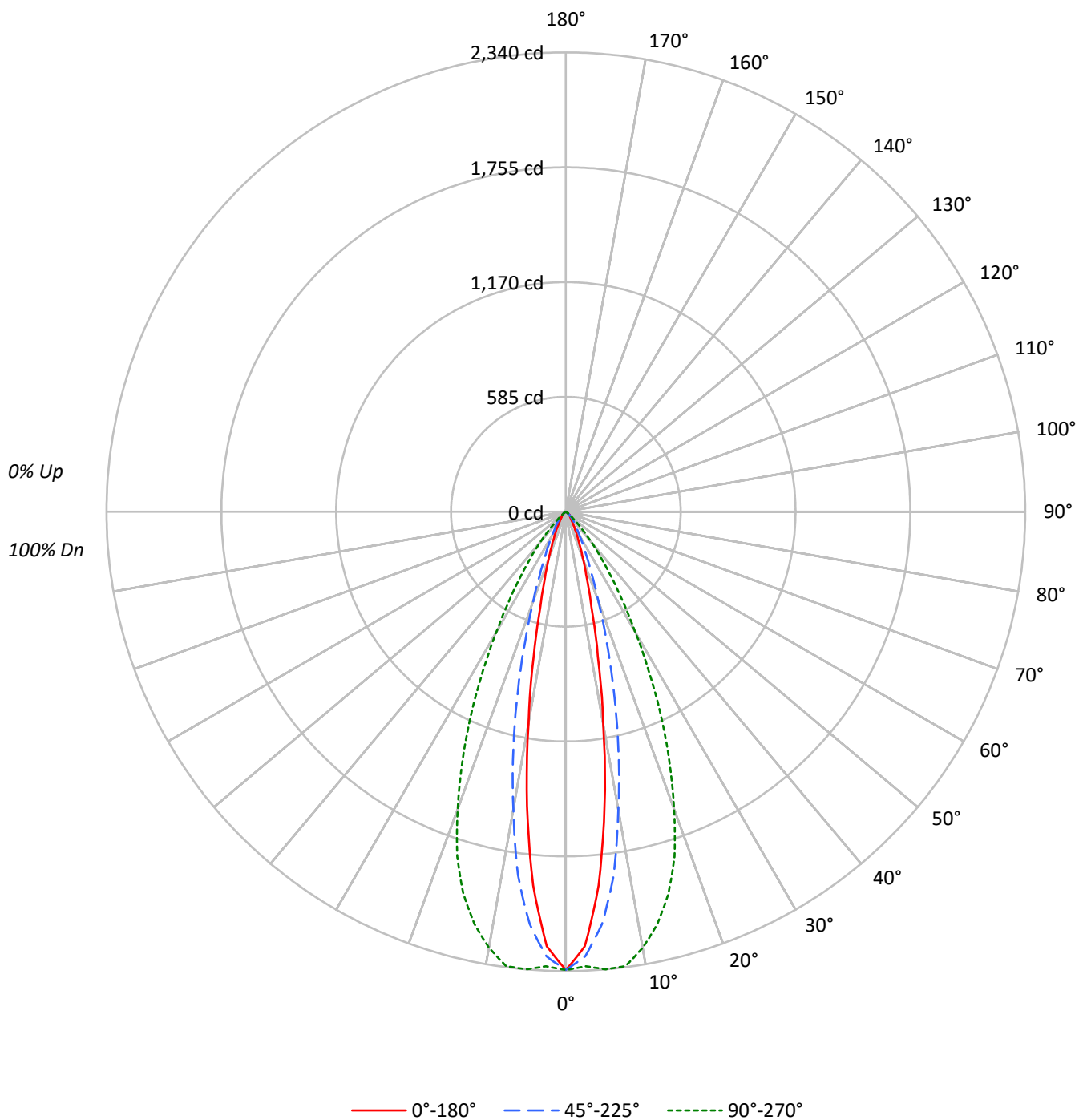
Lumens per Lamp: N/A
Luminaire Lumens: 839.0 lumens
Efficiency: N/A
Efficacy: 59.5 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	109	107	112	109	107	106	105	104	102		102	100	99		98
2	109	105	101	98	107	103	100	97	100	97	95		97	95	93		94
3	105	99	95	91	103	98	94	90	95	92	89		93	90	88		90
4	100	94	89	85	99	93	88	85	91	87	84		89	85	83		87
5	96	89	84	80	95	88	83	80	86	82	79		85	81	78		83
6	92	85	80	76	91	84	79	76	83	78	75		81	77	75		80
7	89	81	76	72	88	80	75	72	79	75	71		78	74	71		77
8	85	77	72	69	84	77	72	69	76	71	68		75	71	68		74
9	82	74	69	66	81	74	69	66	73	68	65		72	68	65		71
10	79	71	66	63	79	71	66	63	70	66	63		69	65	62		69

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1151506	1151506	1151506
5°	946663	1044524	1158777
10°	549517	771849	1129744
15°	255996	480733	1029550
20°	134879	253482	846235
25°	74687	137234	624114
30°	43809	80383	403679
35°	28127	53904	239167
40°	21962	36388	132865
45°	19048	21699	59097
50°	17193	14967	21644
55°	11698	10924	10064
60°	8683	7696	7696
65°	6771	5720	6771
70°	5626	5626	5626
75°	5528	5528	5528
80°	5398	5398	5398
85°	5661	5661	5661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 59097 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.8	22.2
10°-20°	304.3	36.3
20°-30°	203.0	24.2
30°-40°	91.5	10.9
40°-50°	33.5	4.0
50°-60°	11.7	1.4
60°-70°	5.5	0.7
70°-80°	2.9	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°	693.1	82.6
0°-40°	784.6	93.5
0°-60°	829.8	98.9
0°-90°	839.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	839.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2334	2334	2334	2334	2334	
5°	1912	1971	2109	2263	2340	156
15°	501	589	941	1590	2016	150
25°	137	160	252	687	1146	66
35°	47	53	90	194	397	31
45°	27	27	31	49	85	21
55°	14	13	13	11	12	13
65°	6	6	5	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°	2334.0	2334.0	2334.0	2334.0	2334.0
2.5°	2216.2	2239.5	2266.8	2295.0	2317.4
5°	1911.5	1970.9	2109.1	2262.9	2339.8
7.5°	1511.5	1599.1	1867.7	2171.4	2334.0
10°	1096.9	1208.8	1540.7	2012.8	2255.1
12.5°	754.3	859.4	1236.1	1812.3	2151.0
15°	501.2	588.8	941.2	1590.4	2015.7
17.5°	353.3	412.7	684.2	1348.0	1841.5
20°	256.9	296.9	482.8	1110.5	1611.8
22.5°	186.9	217.0	343.6	887.6	1379.2
25°	137.2	159.6	252.1	687.1	1146.5
27.5°	102.2	119.7	188.8	521.7	913.9
30°	76.9	91.5	141.1	384.5	708.6
32.5°	59.4	69.1	108.0	274.5	536.3
35°	46.7	52.6	89.5	193.7	397.1
37.5°	38.9	42.8	74.0	135.3	291.0
40°	34.1	37.0	56.5	96.4	206.3
42.5°	30.2	32.1	40.9	69.1	134.3
45°	27.3	27.3	31.1	48.7	84.7
47.5°	25.3	22.4	24.3	34.1	49.6
50°	22.4	18.5	19.5	23.4	28.2
52.5°	17.5	15.6	15.6	15.6	16.5
55°	13.6	12.7	12.7	10.7	11.7
57.5°	10.7	10.7	9.7	8.8	9.7
60°	8.8	8.8	7.8	6.8	7.8
62.5°	6.8	6.8	5.8	5.8	6.8
65°	5.8	5.8	4.9	4.9	5.8
67.5°	4.9	4.9	4.9	3.9	4.9
70°	3.9	3.9	3.9	3.9	3.9
72.5°	2.9	2.9	3.9	2.9	2.9
75°	2.9	2.9	2.9	2.9	2.9
77.5°	1.9	1.9	1.9	1.9	1.9
80°	1.9	1.9	1.9	1.9	1.9
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)