

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: P1179290

Luminaire Tested: LDA2B158050R2050D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179290
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: LDA2B158050R2050D010 2LBD1LI
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

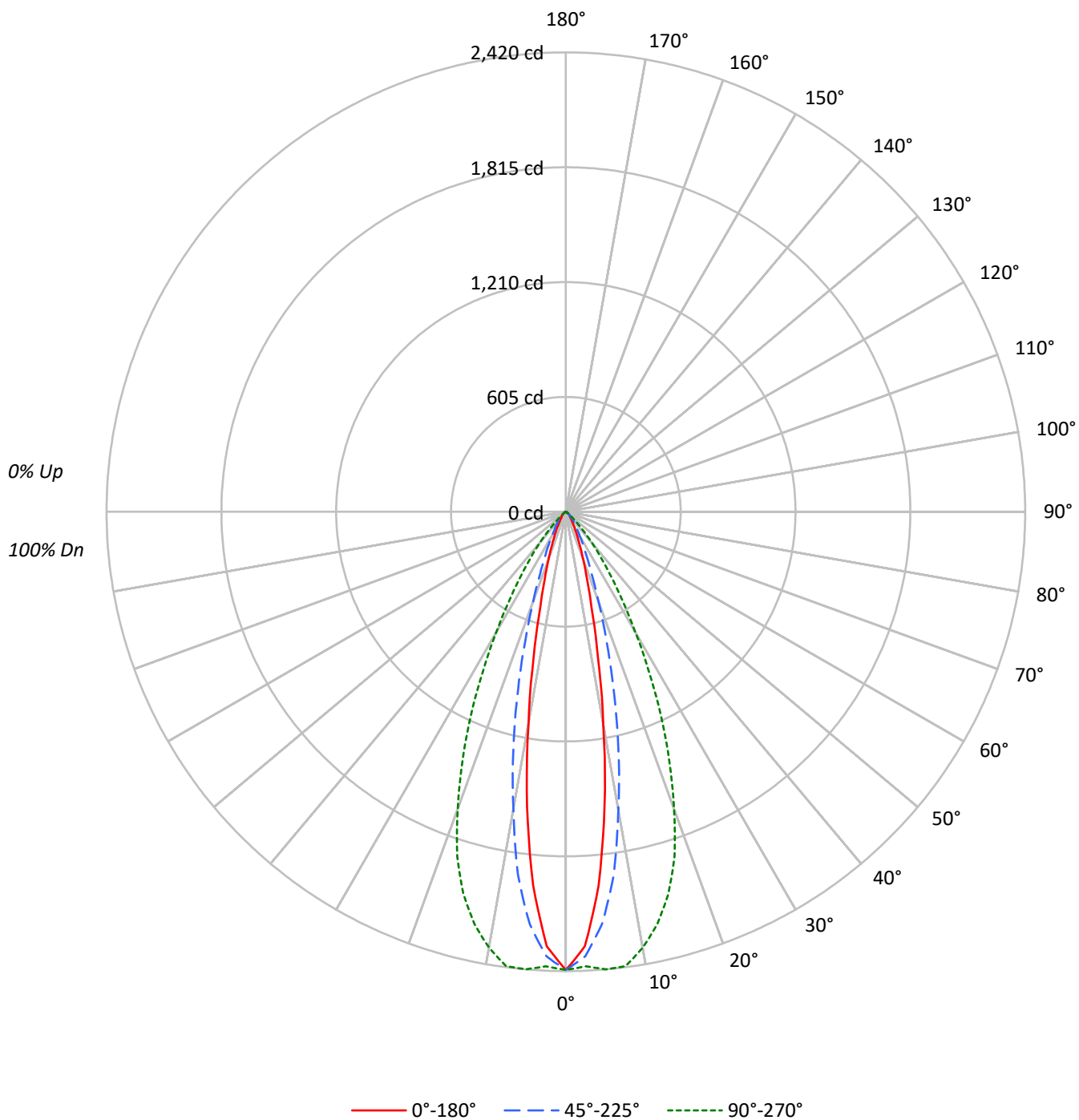
Lumens per Lamp: N/A
Luminaire Lumens: 867.6 lumens
Efficiency: N/A
Efficacy: 61.5 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	1190778	1190778	1190778
5°	979003	1080182	1198298
10°	568253	798200	1168318
15°	264730	497128	1064691
20°	139499	262092	875111
25°	77245	141916	645453
30°	45290	83117	417408
35°	29090	55771	247358
40°	22670	37612	137438
45°	19676	22467	61120
50°	17730	15427	22412
55°	12128	11268	10408
60°	8979	7992	7992
65°	7004	5837	7004
70°	5770	5770	5770
75°	5719	5719	5719
80°	5682	5682	5682
85°	5661	5661	5661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 61120 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.2	22.2
10°-20°	314.7	36.3
20°-30°	209.9	24.2
30°-40°	94.6	10.9
40°-50°	34.6	4.0
50°-60°	12.1	1.4
60°-70°	5.6	0.7
70°-80°	3.0	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°	716.7	82.6
0°-40°	811.4	93.5
0°-60°	858.1	98.9
0°-90°	867.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	867.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2414	2414	2414	2414	2414	
5°	1977	2038	2181	2340	2420	161
15°	518	609	973	1645	2084	155
25°	142	165	261	711	1186	69
35°	48	54	93	200	411	32
45°	28	28	32	50	88	22
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°	2413.6	2413.6	2413.6	2413.6	2413.6
2.5°	2291.8	2315.9	2344.1	2373.3	2396.5
5°	1976.8	2038.2	2181.1	2340.1	2419.6
7.5°	1563.1	1653.7	1931.5	2245.5	2413.6
10°	1134.3	1250.1	1593.3	2081.4	2332.1
12.5°	780.0	888.7	1278.2	1874.1	2224.4
15°	518.3	608.9	973.3	1644.6	2084.5
17.5°	365.4	426.8	707.6	1394.0	1904.3
20°	265.7	307.0	499.2	1148.4	1666.8
22.5°	193.2	224.4	355.3	917.9	1426.2
25°	141.9	165.1	260.7	710.6	1185.7
27.5°	105.7	123.8	195.3	539.5	945.1
30°	79.5	94.6	145.9	397.6	732.7
32.5°	61.4	71.5	111.7	283.8	554.6
35°	48.3	54.4	92.6	200.3	410.7
37.5°	40.3	44.3	76.5	139.9	300.9
40°	35.2	38.2	58.4	99.6	213.4
42.5°	31.2	33.2	42.3	71.5	138.9
45°	28.2	28.2	32.2	50.3	87.6
47.5°	26.2	23.1	25.2	35.2	51.3
50°	23.1	19.1	20.1	24.2	29.2
52.5°	18.1	16.1	16.1	16.1	17.1
55°	14.1	13.1	13.1	11.1	12.1
57.5°	11.1	11.1	10.1	9.1	10.1
60°	9.1	9.1	8.1	7.0	8.1
62.5°	7.0	7.0	6.0	6.0	7.0
65°	6.0	6.0	5.0	5.0	6.0
67.5°	5.0	5.0	5.0	4.0	5.0
70°	4.0	4.0	4.0	4.0	4.0
72.5°	3.0	3.0	4.0	3.0	3.0
75°	3.0	3.0	3.0	3.0	3.0
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)