

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: P1179297

Luminaire Tested: LDA2B158050R2050D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179297
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 2LBDC1MB
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 5000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

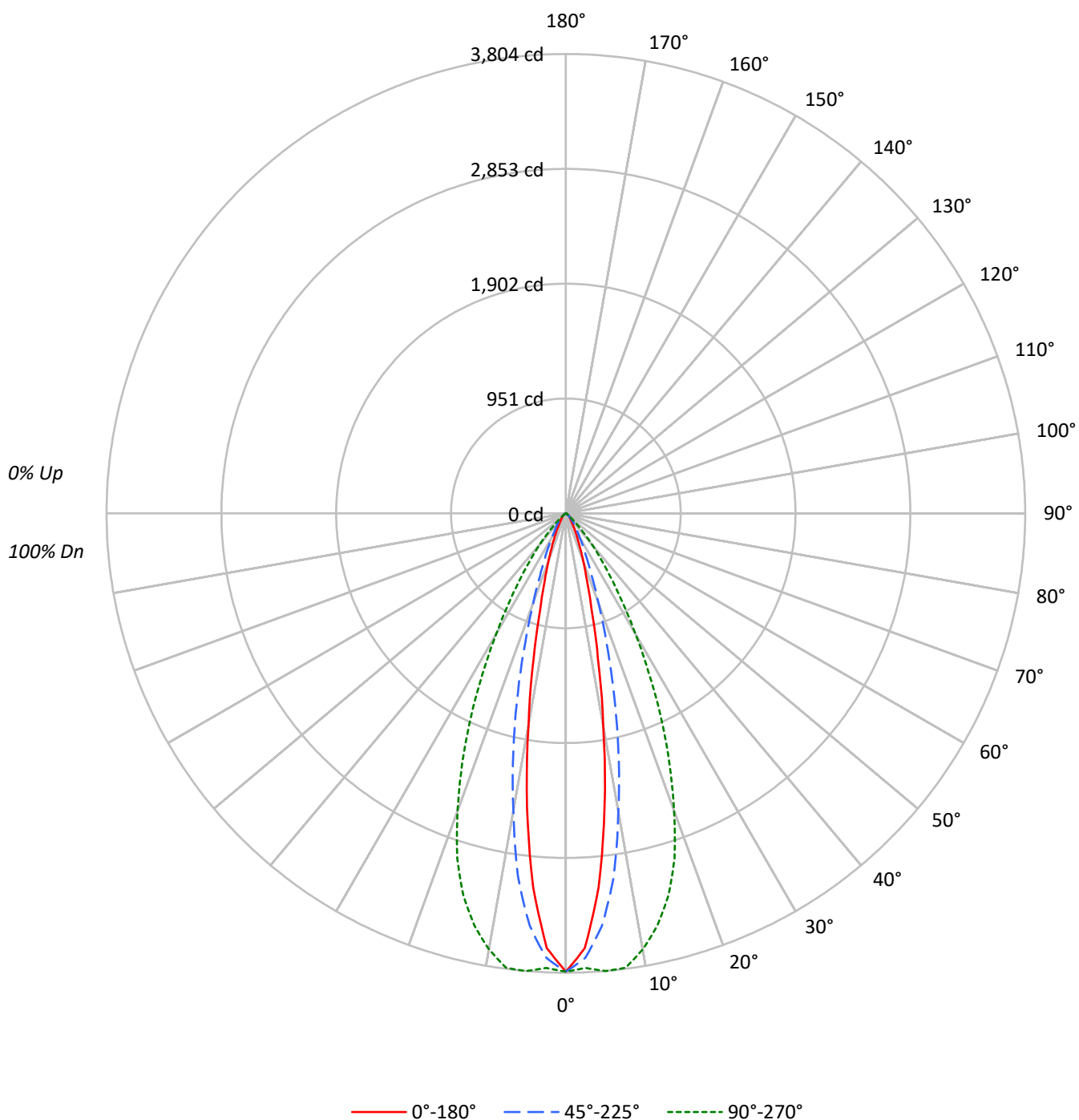
Lumens per Lamp: N/A
Luminaire Lumens: 1364.1 lumens
Efficiency: N/A
Efficacy: 96.7 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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

TEST NUMBER: P1179297

CATALOG NUMBER: LDA2B158050R2050D010 2LBDC1MB

Luminous Intensity Polar Plot



TEST NUMBER: P1179297

CATALOG NUMBER: LDA2B158050R2050D010 2LBDC1MB

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°	1872308	1872308	1872308
5°	1539275	1698398	1884165
10°	893485	1255037	1836967
15°	416274	781625	1674035
20°	219355	412092	1375932
25°	121448	223135	1014859
30°	71211	130743	656334
35°	45774	87692	388894
40°	35680	59123	216075
45°	30909	35305	96076
50°	27938	24331	35230
55°	19095	17719	16343
60°	14011	12531	12531
65°	11090	9222	11090
70°	9088	9088	9088
75°	8959	8959	8959
80°	9092	9092	9092
85°	9057	9057	9057

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 96076 cd/sqm

TEST NUMBER: P1179297

CATALOG NUMBER: LDA2B158050R2050D010 2LBDC1MB

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.2	22.2
10°-20°	494.8	36.3
20°-30°	330.0	24.2
30°-40°	148.8	10.9
40°-50°	54.5	4.0
50°-60°	19.0	1.4
60°-70°	8.9	0.7
70°-80°	4.7	0.3
80°-90°	1.3	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°	1126.9	82.6
0°-40°	1275.7	93.5
0°-60°	1349.2	98.9
0°-90°	1364.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1364.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3795	3795	3795	3795	3795	
5°	3108	3205	3429	3679	3804	254
15°	815	957	1530	2586	3278	244
25°	223	260	410	1117	1864	108
35°	76	86	146	315	646	50
45°	44	44	51	79	138	35
55°	22	21	21	17	19	21
65°	10	10	8	8	10	10
75°	5	5	5	5	5	5
85°	2	2	2	2	2	1
90°	0	0	0	0	0	

TEST NUMBER: P1179297

CATALOG NUMBER: LDA2B158050R2050D010 2LBDC1MB

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3795.0	3795.0	3795.0	3795.0	3795.0
2.5°	3603.5	3641.5	3685.8	3731.7	3768.1
5°	3108.1	3204.7	3429.4	3679.4	3804.5
7.5°	2457.7	2600.1	3036.9	3530.7	3795.0
10°	1783.5	1965.5	2505.2	3272.7	3666.8
12.5°	1226.5	1397.4	2009.8	2946.7	3497.4
15°	815.0	957.4	1530.3	2585.9	3277.5
17.5°	574.5	671.0	1112.5	2191.8	2994.2
20°	417.8	482.7	784.9	1805.7	2620.7
22.5°	303.9	352.9	558.6	1443.3	2242.5
25°	223.1	259.5	409.9	1117.3	1864.3
27.5°	166.2	194.7	307.0	848.3	1486.0
30°	125.0	148.8	229.5	625.1	1152.1
32.5°	96.5	112.4	175.7	446.3	872.0
35°	76.0	85.5	145.6	314.9	645.7
37.5°	63.3	69.6	120.3	220.0	473.2
40°	55.4	60.1	91.8	156.7	335.5
42.5°	49.1	52.2	66.5	112.4	218.4
45°	44.3	44.3	50.6	79.1	137.7
47.5°	41.1	36.4	39.6	55.4	80.7
50°	36.4	30.1	31.7	38.0	45.9
52.5°	28.5	25.3	25.3	25.3	26.9
55°	22.2	20.6	20.6	17.4	19.0
57.5°	17.4	17.4	15.8	14.2	15.8
60°	14.2	14.2	12.7	11.1	12.7
62.5°	11.1	11.1	9.5	9.5	11.1
65°	9.5	9.5	7.9	7.9	9.5
67.5°	7.9	7.9	7.9	6.3	7.9
70°	6.3	6.3	6.3	6.3	6.3
72.5°	4.7	4.7	6.3	4.7	4.7
75°	4.7	4.7	4.7	4.7	4.7
77.5°	3.2	3.2	3.2	3.2	3.2
80°	3.2	3.2	3.2	3.2	3.2
82.5°	1.6	1.6	1.6	1.6	1.6
85°	1.6	1.6	1.6	1.6	1.6
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)