

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: P1179251

Luminaire Tested: LDA2B158040R2050D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179251
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: LDA2B158040R2050D010 2LBD1LI
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 80 CRI LEDS AND 4000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

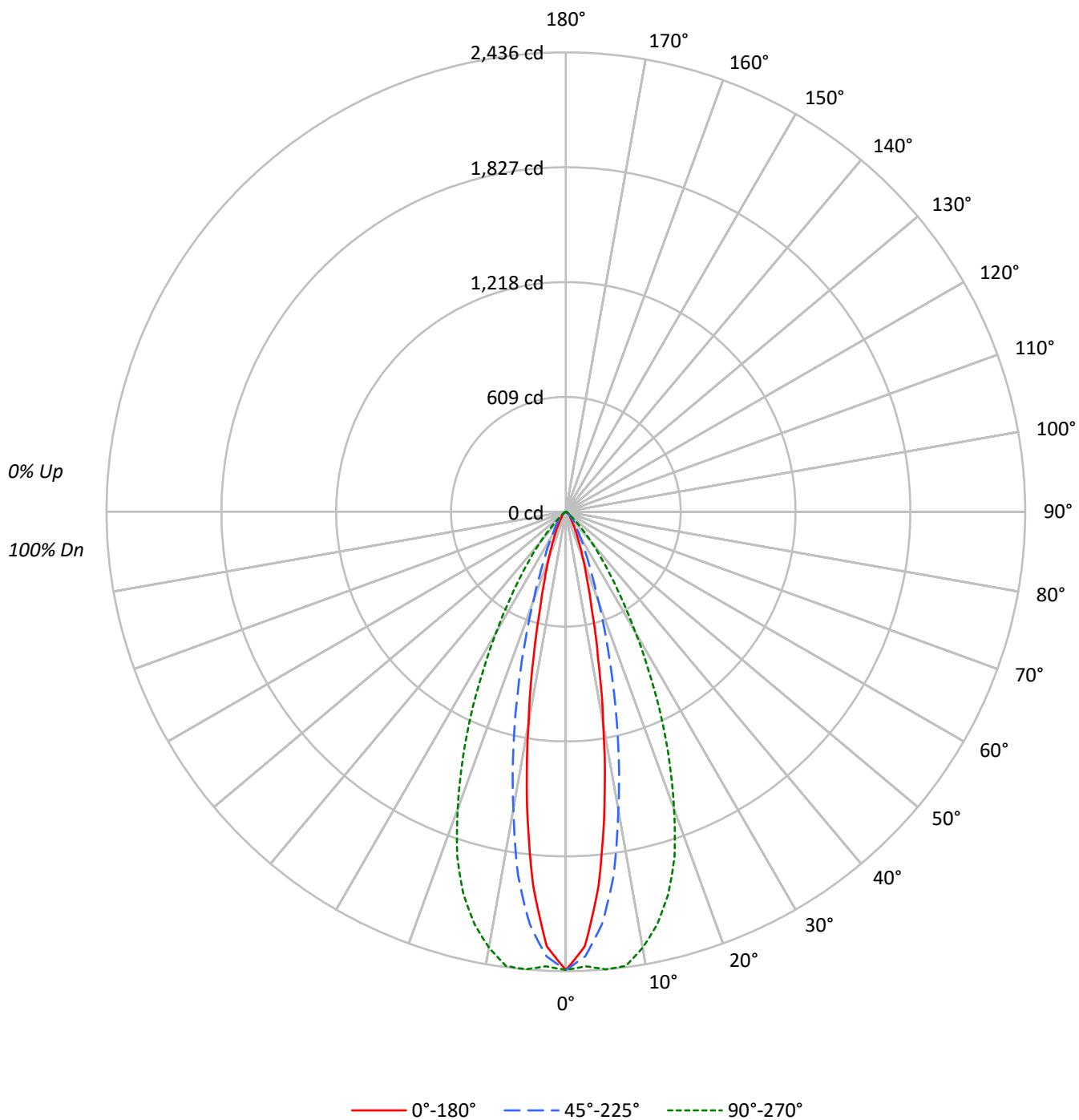
Lumens per Lamp: N/A
Luminaire Lumens: 873.3 lumens
Efficiency: N/A
Efficacy: 61.9 lumens/watt
Spacing Criteria (0/90/45): 0.33 / 0.8 / 0.47
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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°	1198573	1198573	1198573
5°	985392	1087264	1206172
10°	572011	803410	1175983
15°	266466	500397	1071638
20°	140444	263825	880834
25°	77735	142841	649645
30°	45575	83687	420143
35°	29271	56133	248924
40°	22863	37869	138339
45°	19815	22606	61469
50°	17884	15581	22566
55°	12214	11354	10494
60°	8979	7992	7992
65°	7121	5954	7121
70°	5914	5914	5914
75°	5719	5719	5719
80°	5682	5682	5682
85°	5661	5661	5661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 61469 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	193.4	22.2
10°-20°	316.7	36.3
20°-30°	211.3	24.2
30°-40°	95.2	10.9
40°-50°	34.9	4.0
50°-60°	12.2	1.4
60°-70°	5.7	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°	721.4	82.6
0°-40°	816.7	93.5
0°-60°	863.7	98.9
0°-90°	873.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	873.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2429	2429	2429	2429	2429	
5°	1990	2052	2195	2356	2436	162
15°	522	613	980	1655	2098	156
25°	143	166	262	715	1193	69
35°	49	55	93	202	413	32
45°	28	28	32	51	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°	2429.4	2429.4	2429.4	2429.4	2429.4
2.5°	2306.8	2331.1	2359.5	2388.9	2412.2
5°	1989.7	2051.5	2195.4	2355.5	2435.5
7.5°	1573.3	1664.5	1944.1	2260.2	2429.4
10°	1141.8	1258.3	1603.7	2095.1	2347.4
12.5°	785.2	894.6	1286.6	1886.4	2239.0
15°	521.7	612.9	979.7	1655.4	2098.1
17.5°	367.8	429.6	712.2	1403.1	1916.8
20°	267.5	309.0	502.5	1155.9	1677.7
22.5°	194.5	225.9	357.6	923.9	1435.6
25°	142.8	166.1	262.4	715.2	1193.4
27.5°	106.4	124.6	196.5	543.0	951.3
30°	80.0	95.2	146.9	400.2	737.5
32.5°	61.8	71.9	112.5	285.7	558.2
35°	48.6	54.7	93.2	201.6	413.3
37.5°	40.5	44.6	77.0	140.8	302.9
40°	35.5	38.5	58.8	100.3	214.8
42.5°	31.4	33.4	42.6	71.9	139.8
45°	28.4	28.4	32.4	50.7	88.1
47.5°	26.3	23.3	25.3	35.5	51.7
50°	23.3	19.2	20.3	24.3	29.4
52.5°	18.2	16.2	16.2	16.2	17.2
55°	14.2	13.2	13.2	11.1	12.2
57.5°	11.1	11.1	10.1	9.1	10.1
60°	9.1	9.1	8.1	7.1	8.1
62.5°	7.1	7.1	6.1	6.1	7.1
65°	6.1	6.1	5.1	5.1	6.1
67.5°	5.1	5.1	5.1	4.1	5.1
70°	4.1	4.1	4.1	4.1	4.1
72.5°	3.0	3.0	4.1	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)