

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: P1179391

Luminaire Tested: LDA2B159030R2040D010 2LBD1B

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179391
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: LDA2B159030R2040D010 2LBD1B
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

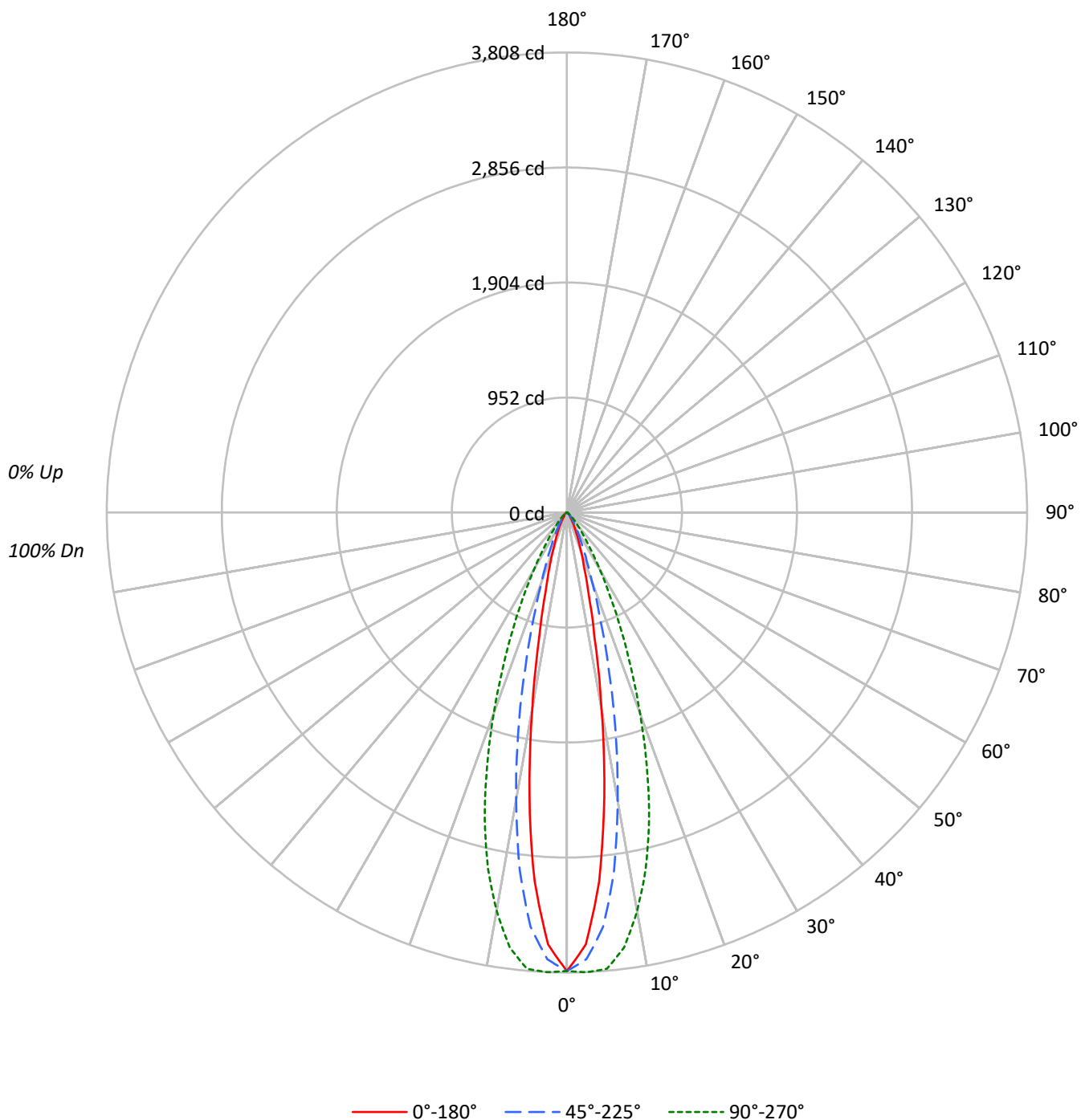
Lumens per Lamp: N/A
Luminaire Lumens: 1069.8 lumens
Efficiency: N/A
Efficacy: 75.9 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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	87	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°	1872703	1872703	1872703
5°	1517980	1704935	1877578
10°	825302	1210500	1676605
15°	349057	679267	1342037
20°	178193	319425	927981
25°	98639	163418	565595
30°	55259	90751	308428
35°	31981	54928	157136
40°	23765	41605	87010
45°	20932	28188	51561
50°	22182	18574	27478
55°	15913	12902	14881
60°	10262	9078	9078
65°	8055	8055	8055
70°	6635	6635	6635
75°	6672	6672	6672
80°	6535	6535	6535
85°	6793	6793	6793

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 51561 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	295.8	27.6
10°-20°	418.2	39.1
20°-30°	215.5	20.1
30°-40°	79.3	7.4
40°-50°	34.8	3.3
50°-60°	15.3	1.4
60°-70°	6.7	0.6
70°-80°	3.4	0.3
80°-90°	1.0	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°	929.5	86.9
0°-40°	1008.7	94.3
0°-60°	1058.8	99.0
0°-90°	1069.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1069.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3796	3796	3796	3796	3796	
5°	3065	3169	3443	3686	3791	247
15°	683	794	1330	2219	2628	209
25°	181	203	300	689	1039	87
35°	53	61	91	159	261	36
45°	30	35	40	48	74	24
55°	18	16	15	16	17	17
65°	7	7	7	6	7	7
75°	4	4	4	4	4	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°	3795.8	3795.8	3795.8	3795.8	3795.8
2.5°	3578.8	3621.5	3701.1	3777.3	3808.5
5°	3065.1	3169.0	3442.6	3686.1	3791.2
7.5°	2373.5	2544.4	2987.7	3443.7	3630.7
10°	1647.4	1820.6	2416.3	3072.0	3346.7
12.5°	1050.5	1219.1	1862.1	2659.8	3016.6
15°	683.4	794.3	1329.9	2218.8	2627.5
17.5°	474.5	553.0	905.1	1751.3	2196.9
20°	339.4	394.8	608.4	1335.7	1767.5
22.5°	245.9	284.0	422.5	975.5	1373.8
25°	181.2	203.2	300.2	689.2	1039.0
27.5°	133.9	147.8	217.0	475.6	759.6
30°	97.0	108.5	159.3	326.7	541.4
32.5°	70.4	80.8	118.9	226.3	377.5
35°	53.1	61.2	91.2	159.3	260.9
37.5°	43.9	48.5	75.0	115.4	184.7
40°	36.9	41.6	64.6	85.4	135.1
42.5°	32.3	38.1	53.1	63.5	101.6
45°	30.0	34.6	40.4	48.5	73.9
47.5°	30.0	28.9	31.2	36.9	52.0
50°	28.9	24.2	24.2	28.9	35.8
52.5°	24.2	19.6	19.6	20.8	24.2
55°	18.5	16.2	15.0	16.2	17.3
57.5°	13.9	13.9	12.7	11.5	12.7
60°	10.4	10.4	9.2	9.2	9.2
62.5°	8.1	8.1	8.1	6.9	8.1
65°	6.9	6.9	6.9	5.8	6.9
67.5°	5.8	5.8	4.6	5.8	5.8
70°	4.6	4.6	4.6	4.6	4.6
72.5°	3.5	3.5	3.5	3.5	3.5
75°	3.5	3.5	3.5	3.5	3.5
77.5°	2.3	2.3	2.3	2.3	2.3
80°	2.3	2.3	2.3	2.3	2.3
82.5°	1.2	1.2	1.2	1.2	1.2
85°	1.2	1.2	1.2	1.2	1.2
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)