

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: P1179589

Luminaire Tested: LDA2B159730R2040D010 2LBD1LI

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179589
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: LDA2B159730R2040D010 2LBD1LI
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

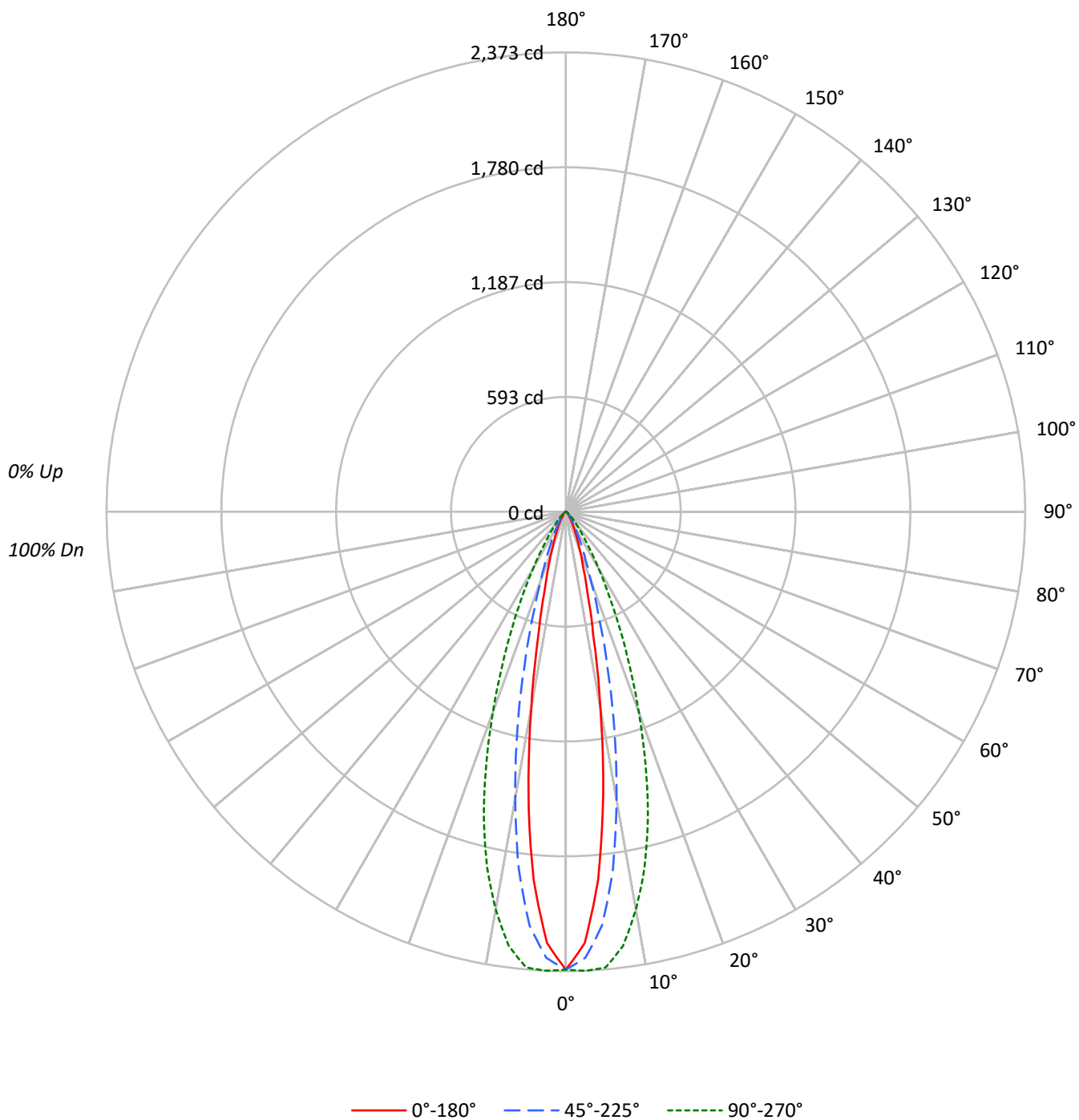
Lumens per Lamp: N/A
Luminaire Lumens: 666.6 lumens
Efficiency: N/A
Efficacy: 47.3 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95
3	106	100	96	93	104	99	95	92	96	93	91		94	92	89		92
4	102	95	91	88	100	94	90	87	92	89	86		90	87	85		89
5	98	91	86	83	97	90	86	83	89	85	82		87	84	81		86
6	94	87	83	79	93	87	82	79	85	81	78		84	80	78		83
7	91	84	79	76	90	83	79	75	82	78	75		81	77	75		80
8	88	81	76	73	87	80	76	72	79	75	72		78	75	72		77
9	85	78	73	70	84	77	73	70	76	72	70		76	72	69		75
10	83	75	70	67	82	75	70	67	74	70	67		73	70	67		73

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1166899	1166899	1166899
5°	945821	1062353	1169920
10°	514248	754264	1044728
15°	217484	423272	836226
20°	111043	199037	578210
25°	61459	101796	352422
30°	34409	56570	192212
35°	19936	34210	97931
40°	14813	25955	54228
45°	13047	17583	32095
50°	13816	11590	17116
55°	9892	8085	9290
60°	6414	5723	5723
65°	5020	5020	5020
70°	4183	4183	4183
75°	4194	4194	4194
80°	3978	3978	3978
85°	3962	3962	3962

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 32095 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.3	27.6
10°-20°	260.6	39.1
20°-30°	134.2	20.1
30°-40°	49.4	7.4
40°-50°	21.7	3.3
50°-60°	9.5	1.4
60°-70°	4.2	0.6
70°-80°	2.1	0.3
80°-90°	0.6	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°	579.1	86.9
0°-40°	628.5	94.3
0°-60°	659.8	99.0
0°-90°	666.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	666.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2365	2365	2365	2365	2365	
5°	1910	1975	2145	2297	2362	154
15°	426	495	829	1383	1637	130
25°	113	127	187	429	647	54
35°	33	38	57	99	163	22
45°	19	22	25	30	46	15
55°	12	10	9	10	11	11
65°	4	4	4	4	4	4
75°	2	2	2	2	2	2
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°	2365.2	2365.2	2365.2	2365.2	2365.2
2.5°	2229.9	2256.6	2306.2	2353.7	2373.1
5°	1909.8	1974.6	2145.1	2296.8	2362.3
7.5°	1479.0	1585.4	1861.6	2145.8	2262.3
10°	1026.5	1134.4	1505.6	1914.2	2085.4
12.5°	654.6	759.6	1160.3	1657.3	1879.6
15°	425.8	494.9	828.7	1382.6	1637.2
17.5°	295.6	344.6	564.0	1091.2	1368.9
20°	211.5	246.0	379.1	832.3	1101.3
22.5°	153.2	177.0	263.3	607.8	856.0
25°	112.9	126.6	187.0	429.4	647.4
27.5°	83.4	92.1	135.2	296.4	473.3
30°	60.4	67.6	99.3	203.6	337.4
32.5°	43.9	50.4	74.1	141.0	235.2
35°	33.1	38.1	56.8	99.3	162.6
37.5°	27.3	30.2	46.8	71.9	115.1
40°	23.0	25.9	40.3	53.2	84.2
42.5°	20.1	23.7	33.1	39.6	63.3
45°	18.7	21.6	25.2	30.2	46.0
47.5°	18.7	18.0	19.4	23.0	32.4
50°	18.0	15.1	15.1	18.0	22.3
52.5°	15.1	12.2	12.2	12.9	15.1
55°	11.5	10.1	9.4	10.1	10.8
57.5°	8.6	8.6	7.9	7.2	7.9
60°	6.5	6.5	5.8	5.8	5.8
62.5°	5.0	5.0	5.0	4.3	5.0
65°	4.3	4.3	4.3	3.6	4.3
67.5°	3.6	3.6	2.9	3.6	3.6
70°	2.9	2.9	2.9	2.9	2.9
72.5°	2.2	2.2	2.2	2.2	2.2
75°	2.2	2.2	2.2	2.2	2.2
77.5°	1.4	1.4	1.4	1.4	1.4
80°	1.4	1.4	1.4	1.4	1.4
82.5°	0.7	0.7	0.7	0.7	0.7
85°	0.7	0.7	0.7	0.7	0.7
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)