

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: P1179401

Luminaire Tested: LDA2B159030R2040D010 2LBDC1MB

Issue Date: 1/17/2025

Test Information

Test Method: LM-79-2019
Report Number: P1179401
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 2LBDC1MB
Description: 1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 90 CRI LEDS AND 3000K CCT LEDS
Light Source: -
Ballast/Driver: -

Summary

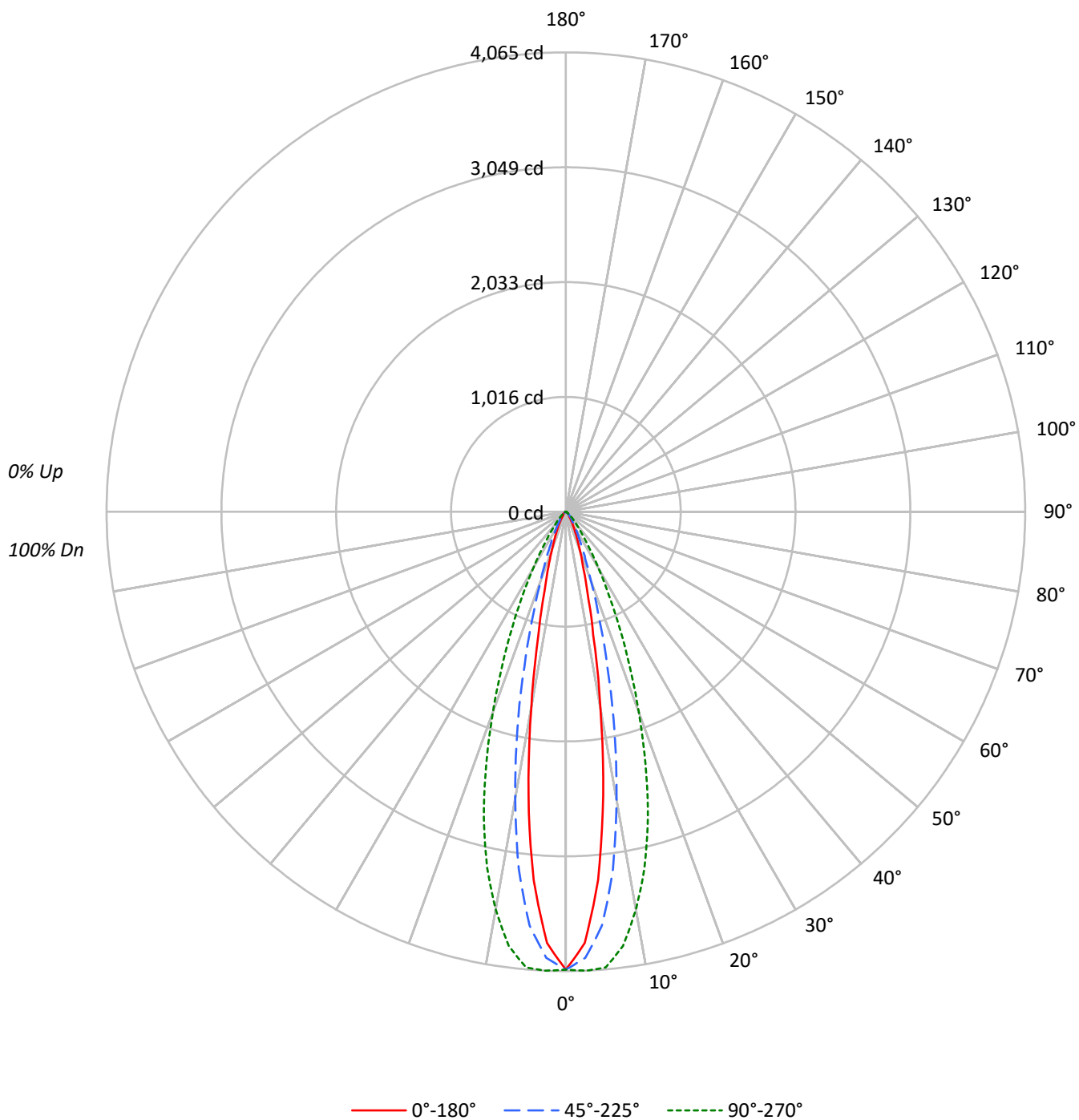
Lumens per Lamp: N/A
Luminaire Lumens: 1141.9 lumens
Efficiency: N/A
Efficacy: 81.0 lumens/watt
Spacing Criteria (0/90/45): 0.31 / 0.63 / 0.43
Luminous Opening: Circular (Dia: 0.17' x H: 0')
CIE Type: Direct

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			0
RW	70	50	30	10	70	50	30	10	50	30	10		50	30	10		50	30	10	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	114	112	110	108	112	110	108	106	106	104	103		102	101	100		99	98	97	95
2	110	106	102	99	108	104	101	98	101	98	96		98	96	94		95	94	92	91
3	106	100	96	93	104	99	95	92	96	93	91		94	92	89		92	90	88	87
4	102	95	91	88	100	94	90	87	92	89	86		90	87	85		89	86	84	83
5	98	91	86	83	97	90	86	83	89	85	82		87	84	81		86	83	81	79
6	94	87	83	79	93	87	82	79	85	81	78		84	80	78		83	80	77	76
7	91	84	79	76	90	83	79	75	82	78	75		81	77	75		80	77	74	73
8	88	81	76	73	87	80	76	72	79	75	72		78	75	72		77	74	72	70
9	85	78	73	70	84	77	73	70	76	72	70		76	72	69		75	72	69	68
10	83	75	70	67	82	75	70	67	74	70	67		73	70	67		73	69	67	66

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1998905	1998905	1998905
5°	1620248	1819783	2004064
10°	880910	1292059	1789575
15°	372604	725032	1432494
20°	190216	340951	990459
25°	105335	174414	603700
30°	58962	96846	329221
35°	34149	58602	167736
40°	25375	44439	92870
45°	22327	30072	55050
50°	23640	19879	29320
55°	16945	13762	15913
60°	10953	9769	9769
65°	8639	8639	8639
70°	7068	7068	7068
75°	7053	7053	7053
80°	7103	7103	7103
85°	6793	6793	6793

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°

Vertical Angle: 45°

Luminance: 55050 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	315.7	27.6
10°-20°	446.4	39.1
20°-30°	230.0	20.1
30°-40°	84.6	7.4
40°-50°	37.2	3.3
50°-60°	16.3	1.4
60°-70°	7.1	0.6
70°-80°	3.6	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°	992.1	86.9
0°-40°	1076.7	94.3
0°-60°	1130.2	99.0
0°-90°	1141.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1141.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4052	4052	4052	4052	4052	
5°	3272	3382	3674	3934	4047	263
15°	730	848	1420	2368	2805	223
25°	194	217	320	736	1109	93
35°	57	65	97	170	278	39
45°	32	37	43	52	79	26
55°	20	17	16	17	18	18
65°	7	7	7	6	7	7
75°	4	4	4	4	4	4
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°	4051.6	4051.6	4051.6	4051.6	4051.6
2.5°	3819.9	3865.5	3950.5	4031.9	4065.1
5°	3271.6	3382.5	3674.5	3934.5	4046.6
7.5°	2533.5	2715.8	3189.0	3675.7	3875.4
10°	1758.4	1943.2	2579.1	3279.0	3572.2
12.5°	1121.3	1301.2	1987.6	2839.1	3219.8
15°	729.5	847.8	1419.5	2368.3	2804.6
17.5°	506.4	590.2	966.1	1869.3	2344.9
20°	362.3	421.4	649.4	1425.7	1886.5
22.5°	262.5	303.1	451.0	1041.2	1466.4
25°	193.5	216.9	320.4	735.6	1109.0
27.5°	142.9	157.7	231.7	507.7	810.8
30°	103.5	115.8	170.0	348.7	577.9
32.5°	75.2	86.3	126.9	241.5	402.9
35°	56.7	65.3	97.3	170.0	278.5
37.5°	46.8	51.8	80.1	123.2	197.2
40°	39.4	44.4	69.0	91.2	144.2
42.5°	34.5	40.7	56.7	67.8	108.4
45°	32.0	37.0	43.1	51.8	78.9
47.5°	32.0	30.8	33.3	39.4	55.5
50°	30.8	25.9	25.9	30.8	38.2
52.5°	25.9	20.9	20.9	22.2	25.9
55°	19.7	17.3	16.0	17.3	18.5
57.5°	14.8	14.8	13.6	12.3	13.6
60°	11.1	11.1	9.9	9.9	9.9
62.5°	8.6	8.6	8.6	7.4	8.6
65°	7.4	7.4	7.4	6.2	7.4
67.5°	6.2	6.2	4.9	6.2	6.2
70°	4.9	4.9	4.9	4.9	4.9
72.5°	3.7	3.7	3.7	3.7	3.7
75°	3.7	3.7	3.7	3.7	3.7
77.5°	2.5	2.5	2.5	2.5	2.5
80°	2.5	2.5	2.5	2.5	2.5
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)