Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P1179563

Luminaire Tested: LDA2B159727R2050D010 2LBD1LI

Issue Date: 1/17/2025

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Scaled Data Report

Test Information

Test Method:	LM-79-2019
Report Number:	P1179563
	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:	LDA2B159727R2050D010 2LBD1LI
Description:	1500 LUMEN 2IN ADJUSTABLE LED LUMINAIRE WITH 97 CRI LEDS AND 2700K CCT LEDS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	577.2 lumens
Efficiency:	N/A
Efficacy:	40.9 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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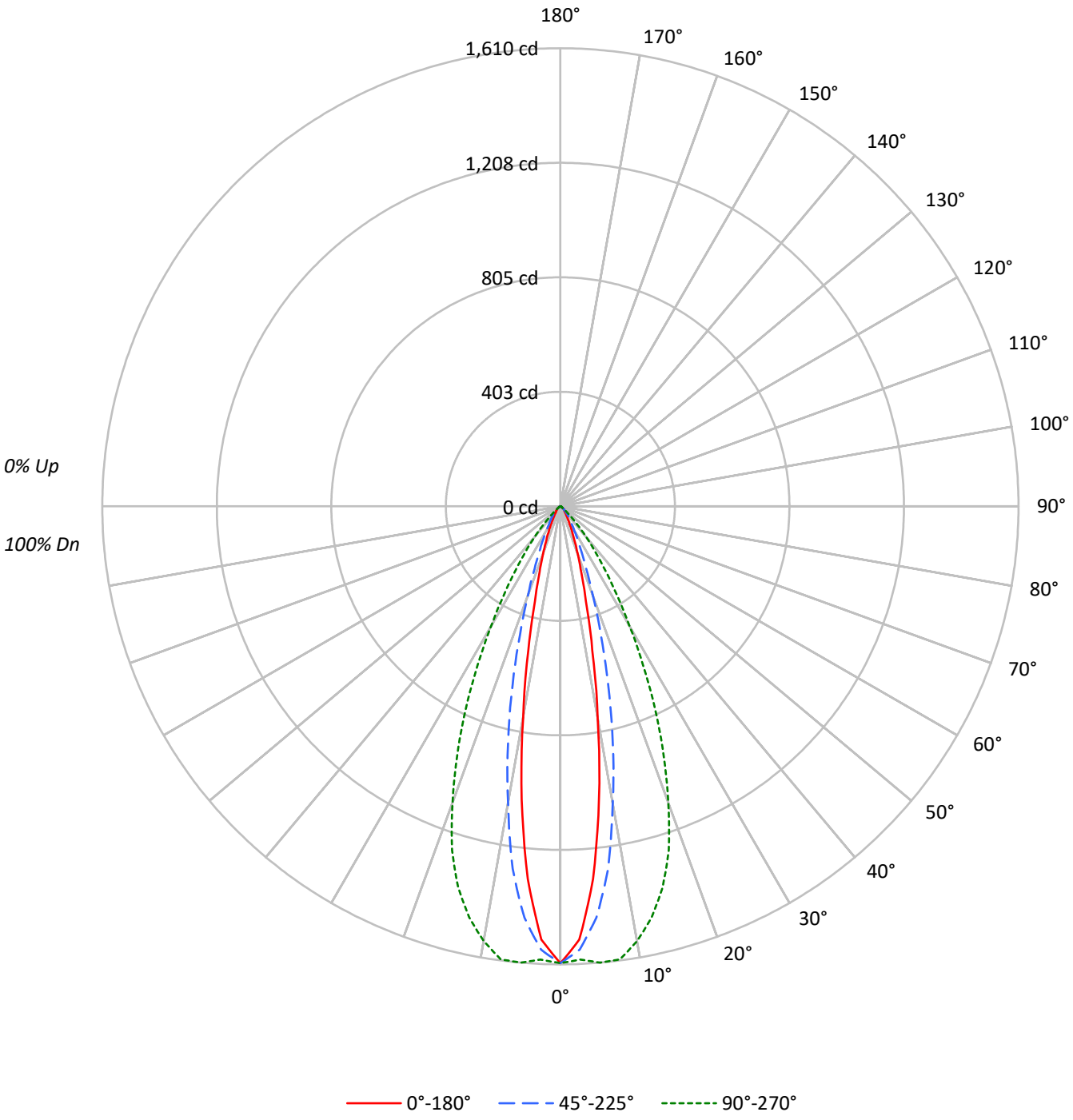
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	109	107	112	109	107	106	105	104	102	102	100	99	98	97	96	95
2	109	105	101	98	107	103	100	97	100	97	95	97	95	93	94	93	91	90
3	105	99	95	91	103	98	94	90	95	92	89	93	90	88	90	88	86	85
4	100	94	89	85	99	93	88	85	91	87	84	89	85	83	87	84	82	80
5	96	89	84	80	95	88	83	80	86	82	79	85	81	78	83	80	78	76
6	92	85	80	76	91	84	79	76	83	78	75	81	77	75	80	77	74	73
7	89	81	76	72	88	80	75	72	79	75	71	78	74	71	77	73	71	70
8	85	77	72	69	84	77	72	69	76	71	68	75	71	68	74	70	68	67
9	82	74	69	66	81	74	69	66	73	68	65	72	68	65	71	68	65	64
10	79	71	66	63	79	71	66	63	70	66	63	69	65	62	69	65	62	61

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	792240	792240	792240
5°	651348	718652	797248
10°	378084	531031	777309
15°	176163	330721	708330
20°	92824	174361	582200
25°	51388	94393	429395
30°	30136	55316	277721
35°	19333	37101	164544
40°	15070	24989	91453
45°	13047	14931	40677
50°	11820	10285	14890
55°	8085	7483	6881
60°	5920	5328	5328
65°	4670	3852	4670
70°	3895	3895	3895
75°	3812	3812	3812
80°	3694	3694	3694
85°	3962	3962	3962

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 90°
Vertical Angle: 45°
Luminance: 40677 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.9	22.2
10°-20°	209.3	36.3
20°-30°	139.6	24.2
30°-40°	63.0	10.9
40°-50°	23.0	4.0
50°-60°	8.1	1.4
60°-70°	3.8	0.7
70°-80°	2.0	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°	476.9	82.6
0°-40°	539.8	93.5
0°-60°	570.9	98.9
0°-90°	577.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	577.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1606	1606	1606	1606	1606	
5°	1315	1356	1451	1557	1610	107
15°	345	405	648	1094	1387	103
25°	94	110	173	473	789	46
35°	32	36	62	133	273	21
45°	19	19	21	34	58	15
55°	9	9	9	7	8	9
65°	4	4	3	3	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°	1605.8	1605.8	1605.8	1605.8	*1605.8*
2.5°	1524.8	1540.8	1559.6	1579.0	*1594.4*
5°	*1315.2*	*1356.0*	*1451.1*	*1556.9*	*1609.8*
7.5°	1039.9	1100.2	1285.0	1494.0	*1605.8*
10°	754.7	831.7	1060.0	1384.8	*1551.6*
12.5°	519.0	591.3	850.4	1246.9	*1479.9*
15°	344.9	405.1	647.5	1094.2	*1386.8*
17.5°	243.1	283.9	470.8	927.4	*1267.0*
20°	176.8	204.2	332.1	764.1	*1108.9*
22.5°	128.6	149.3	236.4	610.7	*948.9*
25°	94.4	109.8	173.4	472.8	*788.8*
27.5°	70.3	82.4	129.9	358.9	*628.8*
30°	52.9	62.9	97.1	264.5	*487.5*
32.5°	40.8	47.5	74.3	188.8	*369.0*
35°	32.1	36.2	61.6	133.3	*273.2*
37.5°	26.8	29.5	50.9	93.1	*200.2*
40°	23.4	25.4	38.8	66.3	*142.0*
42.5°	20.8	22.1	28.1	47.5	*92.4*
45°	18.7	18.7	21.4	33.5	*58.3*
47.5°	17.4	15.4	16.7	23.4	*34.2*
50°	15.4	12.7	13.4	16.1	*19.4*
52.5°	12.1	10.7	10.7	10.7	*11.4*
55°	9.4	8.7	8.7	7.4	*8.0*
57.5°	7.4	7.4	6.7	6.0	*6.7*
60°	6.0	6.0	5.4	4.7	*5.4*
62.5°	4.7	4.7	4.0	4.0	*4.7*
65°	4.0	4.0	3.3	3.3	*4.0*
67.5°	3.3	3.3	3.3	2.7	*3.3*
70°	2.7	2.7	2.7	2.7	*2.7*
72.5°	2.0	2.0	2.7	2.0	*2.0*
75°	2.0	2.0	2.0	2.0	*2.0*
77.5°	1.3	1.3	1.3	1.3	*1.3*
80°	1.3	1.3	1.3	1.3	*1.3*
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)