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: CORELITE

Report Number: P#

Luminaire Tested: 14D3X-LP-45-L835.ies

Issue Date: 2/27/2025

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Scaled Data Report

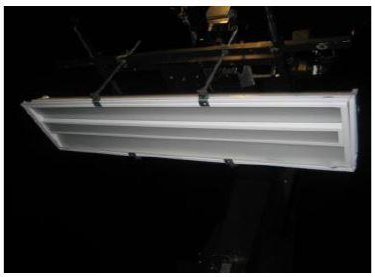
Test Information

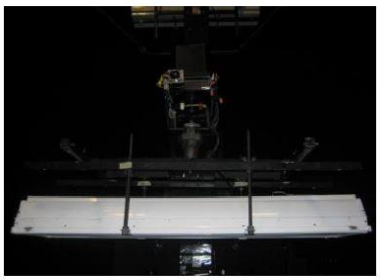
Test Method:	LM-79-2019
Report Number:	P#
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P601206)
Test Lab:	INNOVATION CENTER
Issue Date:	2/27/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	14D3X-LP-45-L835.ies
Description:	1x4 D3X-LP AT 4500lm 3500K 80CRI
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4646.0 lumens
Efficiency:	N/A
Efficacy:	85.9 lumens/watt
Spacing Criteria (0/90/45):	1.2 / 1.16 / 1.28
Luminous Opening:	Rectangular (W 1' x L: 4' x H: 0')
CIE Type:	Direct

Input Watts (W):	54.1
Input Voltage (V):	120
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



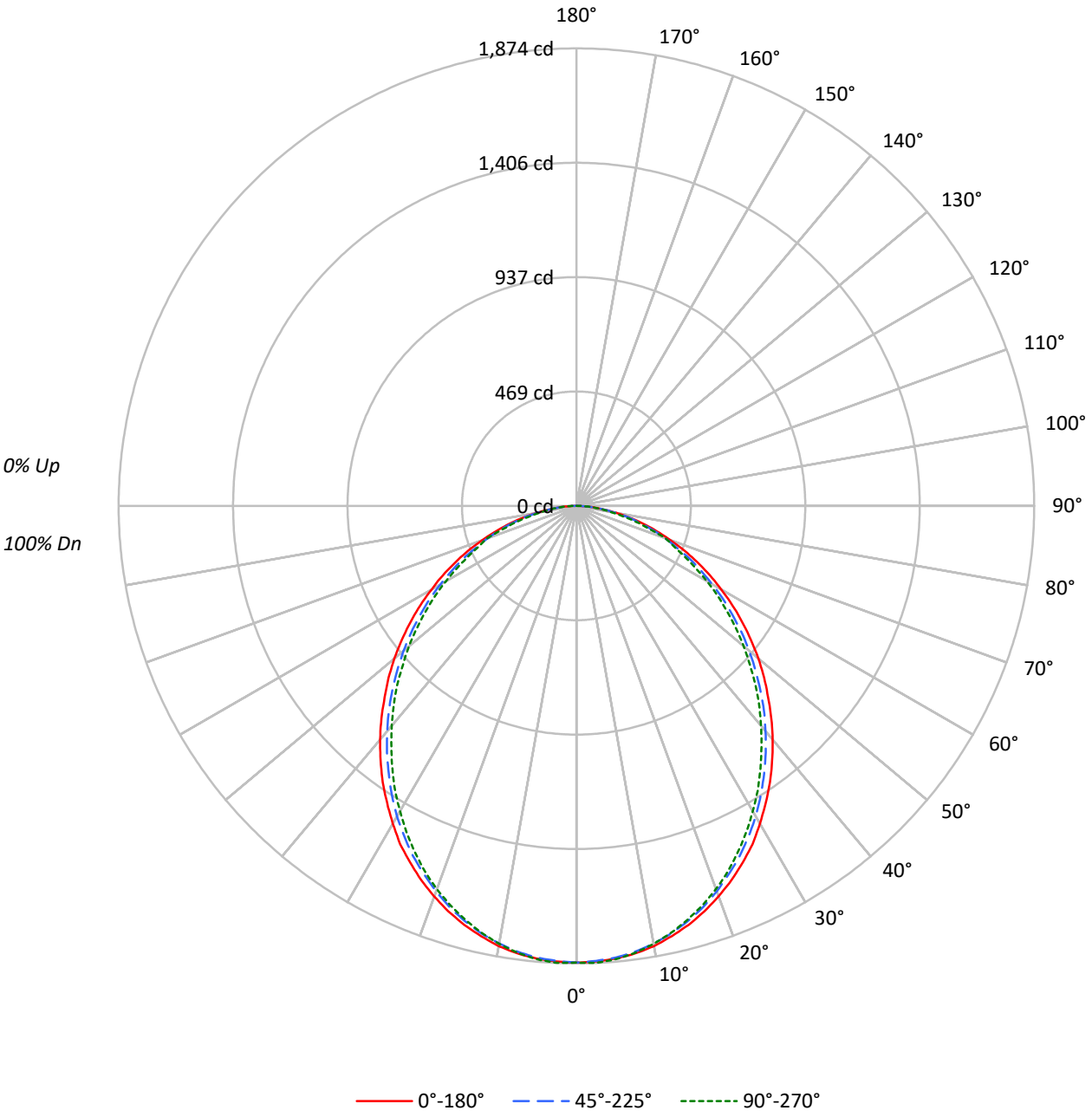


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Luminous Intensity Polar Plot



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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	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	45	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5035	5035	5035
5°	5028	5017	5035
10°	5003	4973	4977
15°	4948	4906	4891
20°	4874	4811	4783
25°	4784	4699	4646
30°	4670	4563	4486
35°	4540	4400	4314
40°	4391	4232	4131
45°	4224	4051	3947
50°	4072	3864	3744
55°	3886	3660	3532
60°	3682	3453	3320
65°	3472	3245	3096
70°	3210	3026	3059
75°	2957	2785	2642
80°	2576	2469	2214
85°	2164	2035	2035

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 4224 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.5	3.8
10°-20°	497.1	10.7
20°-30°	729.5	15.7
30°-40°	840.2	18.1
40°-50°	824.8	17.8
50°-60°	703.2	15.1
60°-70°	508.7	10.9
70°-80°	286.1	6.2
80°-90°	79.9	1.7
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°	1403.1	30.2
0°-40°	2243.3	48.3
0°-60°	3771.3	81.2
0°-90°	4646.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4646.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1871	1871	1871	1871	1871	
5°	1861	1863	1857	1863	1864	177
15°	1776	1773	1761	1758	1756	501
25°	1611	1599	1582	1570	1565	742
35°	1382	1365	1339	1322	1313	863
45°	1110	1096	1065	1044	1037	858
55°	828	810	780	761	753	741
65°	545	530	510	490	486	541
75°	284	279	268	257	254	301
85°	70	73	66	66	66	81
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1870.9	1870.9	1870.9	1870.9	*1870.9*
2.5°	*1868.2*	*1869.6*	*1865.5*	*1872.3*	*1873.7*
5°	1861.3	1862.7	1857.2	1862.7	*1864.1*
7.5°	1849.0	1849.0	1842.1	1846.2	*1846.2*
10°	1831.1	1828.4	1820.1	1821.5	*1821.5*
12.5°	1805.0	1805.0	1794.0	1794.0	*1791.3*
15°	1776.2	1773.4	1761.1	1758.3	*1755.6*
17.5°	1741.8	1737.7	1724.0	1718.5	*1715.7*
20°	1702.0	1695.1	1680.0	1673.1	*1670.4*
22.5°	1659.4	1649.8	1631.9	1623.7	*1620.9*
25°	1611.3	1599.0	1582.5	1570.1	*1564.6*
27.5°	1561.9	1549.5	1526.2	1512.4	*1506.9*
30°	1502.8	1490.4	1468.5	1452.0	*1443.7*
32.5°	1442.4	1431.4	1405.3	1387.4	*1381.9*
35°	1381.9	1365.4	1339.3	1321.5	*1313.2*
37.5°	1316.0	1302.2	1273.4	1254.2	*1244.6*
40°	1250.0	1236.3	1204.7	1184.1	*1175.9*
42.5°	1181.4	1163.5	1136.0	1114.1	*1107.2*
45°	1109.9	1096.2	1064.6	1044.0	*1037.1*
47.5°	1042.6	1022.0	993.2	972.6	*962.9*
50°	972.6	953.3	923.1	901.1	*894.3*
52.5°	899.8	883.3	853.1	831.1	*822.8*
55°	828.3	810.5	780.2	761.0	*752.8*
57.5°	756.9	740.4	712.9	691.0	*685.5*
60°	684.1	669.0	641.5	623.6	*616.8*
62.5°	616.8	598.9	574.2	556.3	*549.5*
65°	545.3	530.2	509.6	490.4	*486.3*
67.5°	479.4	468.4	442.3	428.6	*430.0*
70°	408.0	408.0	384.6	370.9	*388.8*
72.5°	344.8	346.2	325.6	317.3	*310.5*
75°	284.4	278.9	267.9	256.9	*254.1*
77.5°	223.9	226.7	217.0	196.4	*193.7*
80°	166.2	181.3	159.3	145.6	*142.9*
82.5°	114.0	129.1	109.9	103.0	*101.7*
85°	70.1	72.8	65.9	65.9	*65.9*
87.5°	30.2	34.3	33.0	33.0	*34.3*
90°	0.0	0.0	0.0	0.0	*0.0*

(END OF REPORT)