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-40-L850.ies

Issue Date: 2/27/2025

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Scaled Data Report

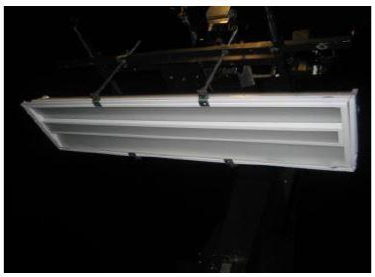
Test Information

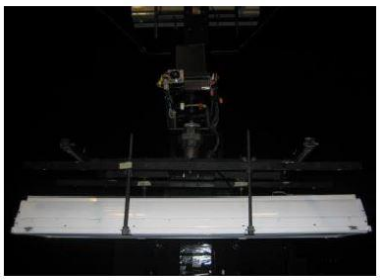
Test Method:	LM-79-2019
Report Number:	P#
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P601206)
Test Lab:	INNOVATION CENTER
Issue Date:	2/27/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	14D3X-LP-40-L850.ies
Description:	1x4 D3X-LP AT 4000lm 5000K 80CRI
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4358.6 lumens
Efficiency:	N/A
Efficacy:	89.7 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):	48.6
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



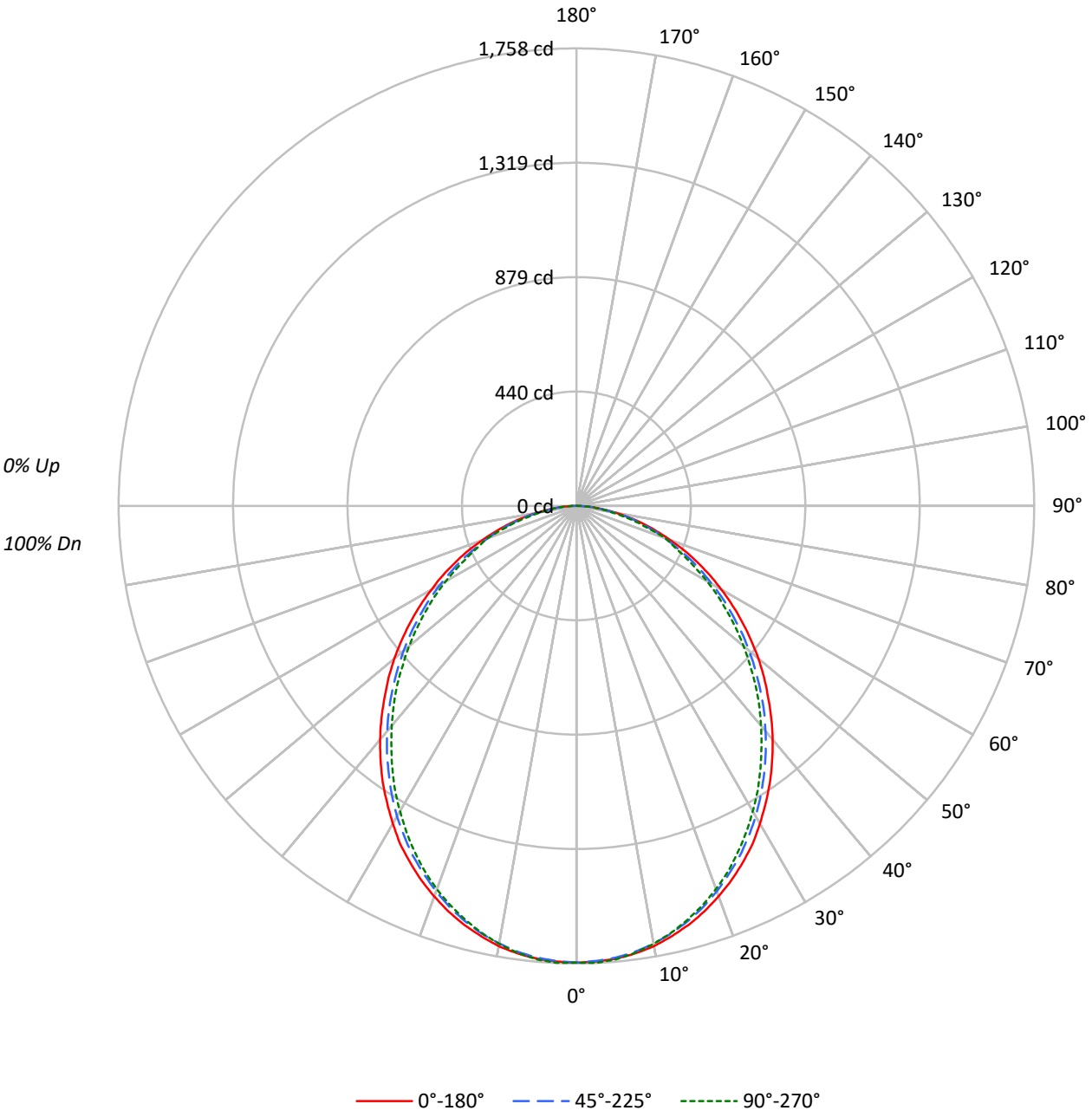


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Luminous Intensity Polar Plot



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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°	4723	4723	4723
5°	4717	4706	4724
10°	4694	4666	4669
15°	4642	4603	4588
20°	4572	4513	4488
25°	4488	4408	4358
30°	4381	4281	4208
35°	4259	4128	4047
40°	4119	3970	3875
45°	3963	3801	3703
50°	3820	3625	3512
55°	3646	3434	3313
60°	3454	3239	3114
65°	3258	3044	2905
70°	3011	2839	2869
75°	2774	2613	2479
80°	2416	2317	2077
85°	2029	1911	1911

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3963 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	165.6	3.8
10°-20°	466.4	10.7
20°-30°	684.4	15.7
30°-40°	788.2	18.1
40°-50°	773.7	17.8
50°-60°	659.7	15.1
60°-70°	477.2	10.9
70°-80°	268.3	6.2
80°-90°	75.0	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°	1316.3	30.2
0°-40°	2104.5	48.3
0°-60°	3538.0	81.2
0°-90°	4358.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4358.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1755	1755	1755	1755	1755	
5°	1746	1748	1742	1748	1749	166
15°	1666	1664	1652	1650	1647	470
25°	1512	1500	1485	1473	1468	696
35°	1296	1281	1256	1240	1232	810
45°	1041	1028	999	979	973	805
55°	777	760	732	714	706	695
65°	512	497	478	460	456	508
75°	267	262	251	241	238	282
85°	66	68	62	62	62	76
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1755.2	1755.2	1755.2	1755.2	1755.2
2.5°	1752.6	1753.9	1750.1	1756.5	1757.8
5°	1746.2	1747.5	1742.3	1747.5	1748.8
7.5°	1734.6	1734.6	1728.1	1732.0	1732.0
10°	1717.8	1715.3	1707.5	1708.8	1708.8
12.5°	1693.3	1693.3	1683.0	1683.0	1680.5
15°	1666.3	1663.7	1652.1	1649.5	1647.0
17.5°	1634.1	1630.2	1617.3	1612.2	1609.6
20°	1596.7	1590.3	1576.1	1569.6	1567.1
22.5°	1556.7	1547.7	1531.0	1523.2	1520.7
25°	1511.6	1500.0	1484.6	1473.0	1467.8
27.5°	1465.2	1453.7	1431.7	1418.9	1413.7
30°	1409.8	1398.2	1377.6	1362.2	1354.4
32.5°	1353.1	1342.8	1318.3	1301.6	1296.4
35°	1296.4	1281.0	1256.5	1239.7	1232.0
37.5°	1234.6	1221.7	1194.6	1176.6	1167.6
40°	1172.7	1159.8	1130.2	1110.9	1103.1
42.5°	1108.3	1091.5	1065.8	1045.1	1038.7
45°	1041.3	1028.4	998.7	979.4	973.0
47.5°	978.1	958.8	931.7	912.4	903.4
50°	912.4	894.4	866.0	845.4	838.9
52.5°	844.1	828.6	800.3	779.7	771.9
55°	777.1	760.3	732.0	713.9	706.2
57.5°	710.1	694.6	668.8	648.2	643.1
60°	641.8	627.6	601.8	585.1	578.6
62.5°	578.6	561.9	538.7	521.9	515.5
65°	511.6	497.4	478.1	460.1	456.2
67.5°	449.8	439.4	415.0	402.1	403.4
70°	382.7	382.7	360.8	347.9	364.7
72.5°	323.5	324.8	305.4	297.7	291.2
75°	266.8	261.6	251.3	241.0	238.4
77.5°	210.1	212.6	203.6	184.3	181.7
80°	155.9	170.1	149.5	136.6	134.0
82.5°	107.0	121.1	103.1	96.7	95.4
85°	65.7	68.3	61.9	61.9	61.9
87.5°	28.4	32.2	30.9	30.9	32.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)