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-L835.ies

Issue Date: 2/27/2025

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Scaled Data Report

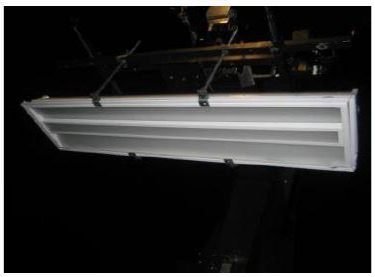
Test Information

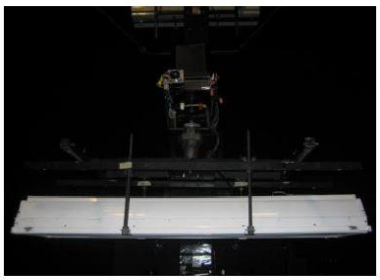
Test Method:	LM-79-2019
Report Number:	P#
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P601206)
Test Lab:	INNOVATION CENTER
Issue Date:	2/27/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	14D3X-LP-40-L835.ies
Description:	1x4 D3X-LP AT 4000lm 3500K 80CRI
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4244.0 lumens
Efficiency:	N/A
Efficacy:	87.3 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



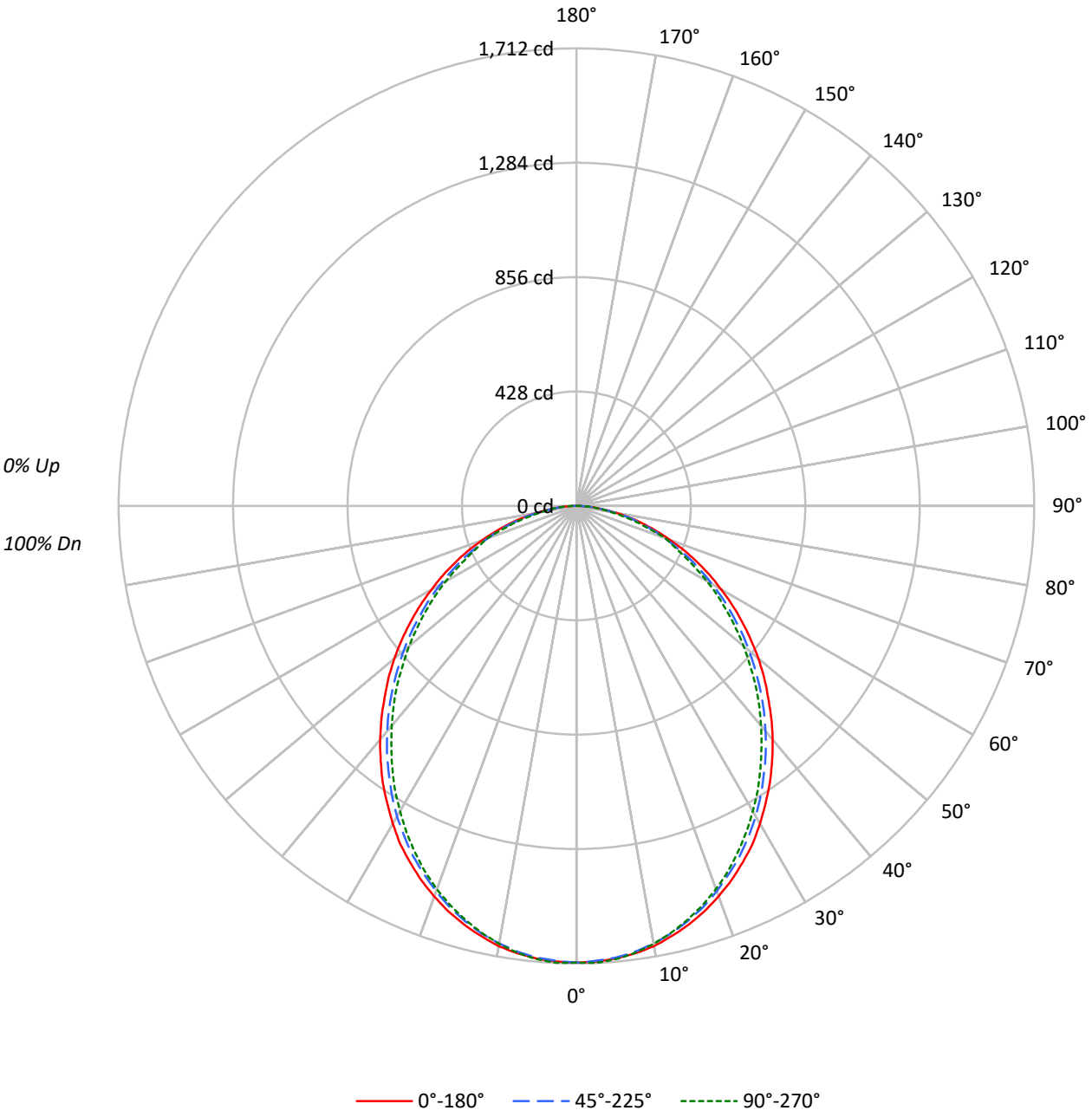


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Luminous Intensity Polar Plot



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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°	4599	4599	4599
5°	4593	4583	4600
10°	4571	4543	4547
15°	4520	4482	4468
20°	4452	4395	4370
25°	4370	4292	4244
30°	4266	4168	4098
35°	4147	4019	3941
40°	4011	3866	3773
45°	3859	3701	3605
50°	3719	3530	3420
55°	3550	3344	3226
60°	3363	3154	3032
65°	3172	2964	2828
70°	2932	2764	2794
75°	2700	2544	2413
80°	2352	2256	2022
85°	1976	1859	1859

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 3859 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	161.2	3.8
10°-20°	454.1	10.7
20°-30°	666.4	15.7
30°-40°	767.5	18.1
40°-50°	753.4	17.8
50°-60°	642.4	15.1
60°-70°	464.7	10.9
70°-80°	261.3	6.2
80°-90°	73.0	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°	1281.7	30.2
0°-40°	2049.2	48.3
0°-60°	3445.0	81.2
0°-90°	4244.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4244.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1709	1709	1709	1709	1709	
5°	1700	1702	1696	1702	1703	161
15°	1622	1620	1609	1606	1604	457
25°	1472	1461	1446	1434	1429	678
35°	1262	1247	1223	1207	1200	789
45°	1014	1001	972	954	947	783
55°	757	740	713	695	688	677
65°	498	484	466	448	444	494
75°	260	255	245	235	232	275
85°	64	66	60	60	60	74
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1709.1	1709.1	1709.1	1709.1	*1709.1*
2.5°	*1706.6*	*1707.8*	*1704.0*	*1710.3*	*1711.6*
5°	1700.3	1701.5	1696.5	1701.5	*1702.8*
7.5°	1689.0	1689.0	1682.7	1686.5	*1686.5*
10°	1672.7	1670.2	1662.6	1663.9	*1663.9*
12.5°	1648.8	1648.8	1638.8	1638.8	*1636.3*
15°	1622.5	1620.0	1608.7	1606.2	*1603.7*
17.5°	1591.1	1587.3	1574.8	1569.8	*1567.3*
20°	1554.7	1548.4	1534.6	1528.4	*1525.9*
22.5°	1515.8	1507.0	1490.7	1483.2	*1480.7*
25°	1471.9	1460.6	1445.6	1434.3	*1429.2*
27.5°	1426.7	1415.4	1394.1	1381.6	*1376.5*
30°	1372.8	1361.5	1341.4	1326.3	*1318.8*
32.5°	1317.6	1307.5	1283.7	1267.4	*1262.3*
35°	1262.3	1247.3	1223.4	1207.1	*1199.6*
37.5°	1202.1	1189.6	1163.2	1145.6	*1136.9*
40°	1141.9	1129.3	1100.5	1081.7	*1074.1*
42.5°	1079.1	1062.8	1037.7	1017.7	*1011.4*
45°	1013.9	1001.3	972.5	953.7	*947.4*
47.5°	952.4	933.6	907.2	888.4	*879.6*
50°	888.4	870.8	843.2	823.2	*816.9*
52.5°	821.9	806.8	779.2	759.2	*751.6*
55°	756.7	740.3	712.7	695.2	*687.6*
57.5°	691.4	676.3	651.3	631.2	*626.2*
60°	624.9	611.1	586.0	569.7	*563.4*
62.5°	563.4	547.1	524.5	508.2	*501.9*
65°	498.2	484.4	465.5	448.0	*444.2*
67.5°	437.9	427.9	404.1	391.5	*392.8*
70°	372.7	372.7	351.3	338.8	*355.1*
72.5°	315.0	316.2	297.4	289.9	*283.6*
75°	259.7	254.7	244.7	234.7	*232.1*
77.5°	204.5	207.0	198.3	179.4	*176.9*
80°	151.8	165.6	145.6	133.0	*130.5*
82.5°	104.1	118.0	100.4	94.1	*92.9*
85°	64.0	66.5	60.2	60.2	*60.2*
87.5°	27.6	31.4	30.1	30.1	*31.4*
90°	0.0	0.0	0.0	0.0	*0.0*

(END OF REPORT)