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-50-L830.ies

Issue Date: 2/27/2025

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Scaled Data Report

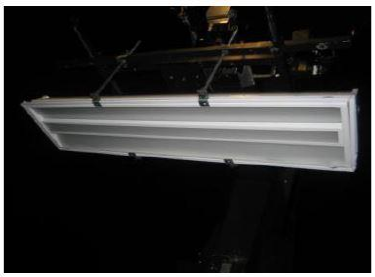
Test Information

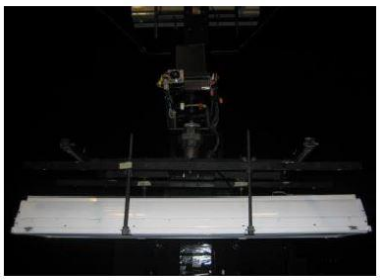
Test Method:	LM-79-2019
Report Number:	P#
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P601206)
Test Lab:	INNOVATION CENTER
Issue Date:	2/27/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	14D3X-LP-50-L830.ies
Description:	1x4 D3X-LP AT 5000lm 3000K 80CRI
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4857.0 lumens
Efficiency:	N/A
Efficacy:	81.9 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):	59.3
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



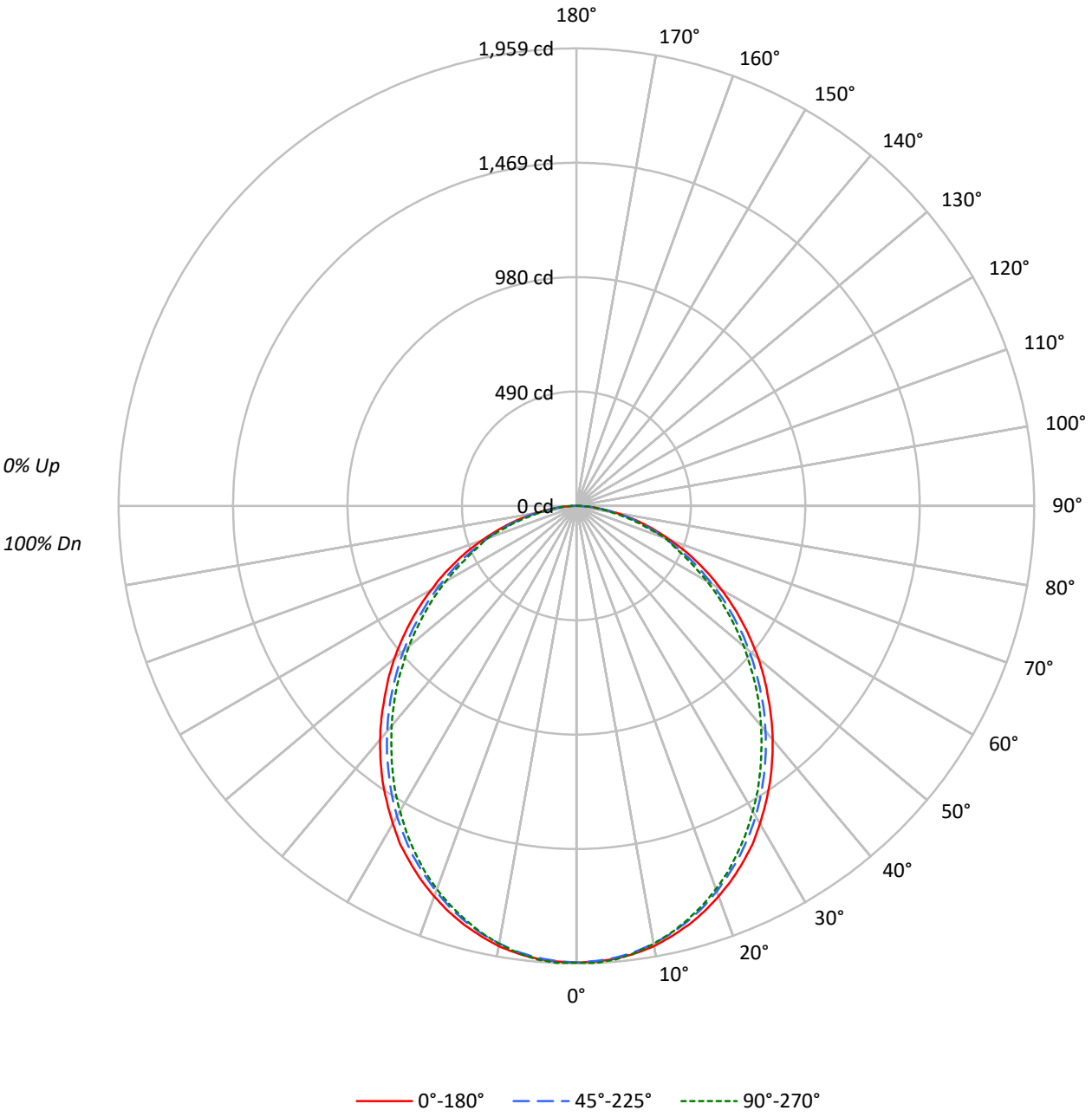


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Luminous Intensity Polar Plot



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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°	5263	5263	5263
5°	5256	5245	5264
10°	5231	5199	5203
15°	5173	5129	5113
20°	5095	5029	5001
25°	5002	4912	4857
30°	4882	4770	4690
35°	4746	4600	4510
40°	4591	4424	4318
45°	4416	4235	4126
50°	4256	4040	3914
55°	4062	3827	3692
60°	3849	3609	3470
65°	3630	3393	3237
70°	3356	3164	3198
75°	3091	2911	2763
80°	2693	2582	2315
85°	2260	2127	2127

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 4416 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.5	3.8
10°-20°	519.7	10.7
20°-30°	762.7	15.7
30°-40°	878.4	18.1
40°-50°	862.2	17.8
50°-60°	735.2	15.1
60°-70°	531.8	10.9
70°-80°	299.0	6.2
80°-90°	83.6	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°	1466.9	30.2
0°-40°	2345.2	48.3
0°-60°	3942.6	81.2
0°-90°	4857.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4857.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1956	1956	1956	1956	1956	
5°	1946	1947	1942	1947	1949	185
15°	1857	1854	1841	1838	1835	523
25°	1684	1672	1654	1641	1636	776
35°	1445	1427	1400	1382	1373	903
45°	1160	1146	1113	1091	1084	897
55°	866	847	816	796	787	774
65°	570	554	533	513	508	566
75°	297	292	280	268	266	314
85°	73	76	69	69	69	85
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1955.9	1955.9	1955.9	1955.9	*1955.9*
2.5°	*1953.0*	*1954.5*	*1950.2*	*1957.4*	*1958.8*
5°	1945.9	1947.3	1941.6	1947.3	*1948.7*
7.5°	1932.9	1932.9	1925.8	1930.1	*1930.1*
10°	1914.3	1911.4	1902.8	1904.2	*1904.2*
12.5°	1887.0	1887.0	1875.5	1875.5	*1872.6*
15°	1856.8	1854.0	1841.0	1838.2	*1835.3*
17.5°	1820.9	1816.6	1802.3	1796.5	*1793.6*
20°	1779.3	1772.1	1756.3	1749.1	*1746.3*
22.5°	1734.8	1724.7	1706.0	1697.4	*1694.6*
25°	1684.5	1671.6	1654.3	1641.4	*1635.7*
27.5°	1632.8	1619.9	1595.5	1581.1	*1575.4*
30°	1571.1	1558.1	1535.2	1517.9	*1509.3*
32.5°	1507.9	1496.4	1469.1	1450.4	*1444.7*
35°	1444.7	1427.4	1400.2	1381.5	*1372.9*
37.5°	1375.7	1361.4	1331.2	1311.1	*1301.1*
40°	1306.8	1292.5	1259.4	1237.9	*1229.3*
42.5°	1235.0	1216.3	1187.6	1164.6	*1157.5*
45°	1160.3	1146.0	1112.9	1091.4	*1084.2*
47.5°	1090.0	1068.4	1038.3	1016.7	*1006.7*
50°	1016.7	996.6	965.0	942.1	*934.9*
52.5°	940.6	923.4	891.8	868.8	*860.2*
55°	865.9	847.3	815.7	795.6	*787.0*
57.5°	791.3	774.0	745.3	722.3	*716.6*
60°	715.2	699.4	670.6	652.0	*644.8*
62.5°	644.8	626.1	600.3	581.6	*574.4*
65°	570.1	554.3	532.8	512.7	*508.4*
67.5°	501.2	489.7	462.4	448.1	*449.5*
70°	426.5	426.5	402.1	387.7	*406.4*
72.5°	360.5	361.9	340.3	331.7	*324.6*
75°	297.3	291.5	280.0	268.5	*265.7*
77.5°	234.1	237.0	226.9	205.4	*202.5*
80°	173.8	189.6	166.6	152.2	*149.4*
82.5°	119.2	135.0	114.9	107.7	*106.3*
85°	73.2	76.1	68.9	68.9	*68.9*
87.5°	31.6	35.9	34.5	34.5	*35.9*
90°	0.0	0.0	0.0	0.0	*0.0*

(END OF REPORT)