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-60-L830.ies

Issue Date: 2/27/2025

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Scaled Data Report

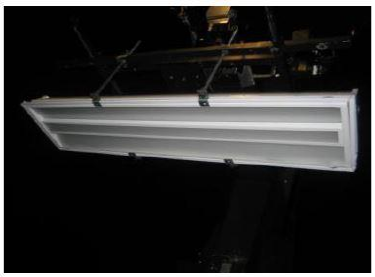
Test Information

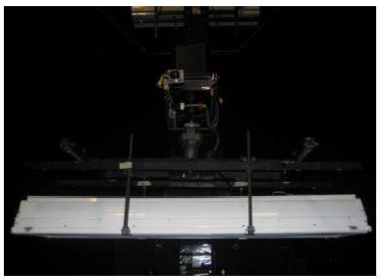
Test Method:	LM-79-2019
Report Number:	P#
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P601206)
Test Lab:	INNOVATION CENTER
Issue Date:	2/27/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	14D3X-LP-60-L830.ies
Description:	1x4 D3X-LP AT 6000lm 3000K 80CRI
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5600.2 lumens
Efficiency:	N/A
Efficacy:	78.7 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):	71.2
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



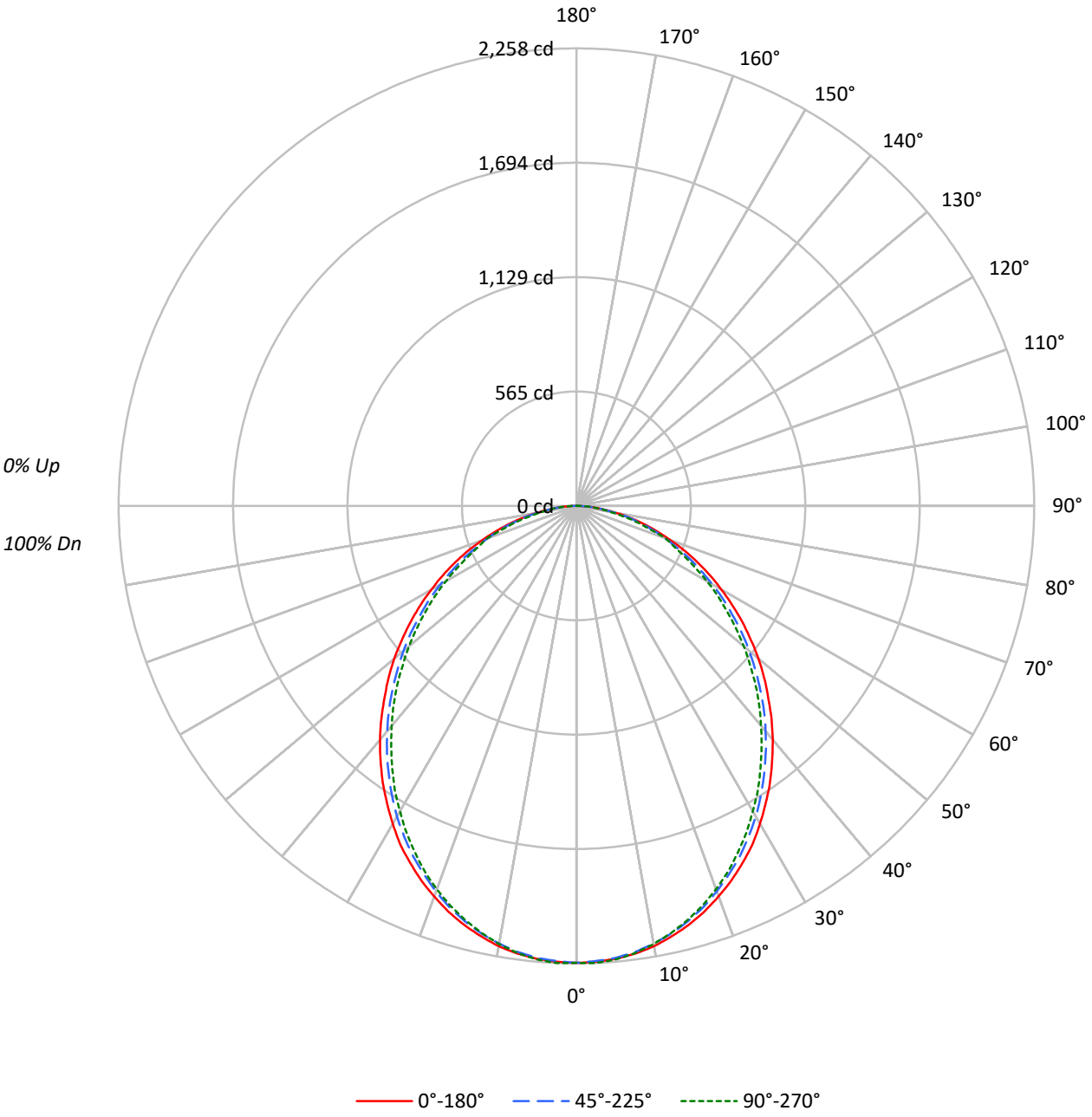


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Luminous Intensity Polar Plot



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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°	6069	6069	6069
5°	6061	6047	6069
10°	6031	5995	5999
15°	5965	5914	5895
20°	5875	5799	5766
25°	5767	5664	5600
30°	5629	5500	5407
35°	5472	5303	5200
40°	5293	5101	4979
45°	5092	4883	4757
50°	4908	4658	4513
55°	4684	4412	4257
60°	4438	4162	4001
65°	4186	3911	3733
70°	3869	3648	3687
75°	3564	3357	3185
80°	3106	2977	2669
85°	2606	2455	2455

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 5092 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	212.7	3.8
10°-20°	599.2	10.7
20°-30°	879.3	15.7
30°-40°	1012.8	18.1
40°-50°	994.1	17.8
50°-60°	847.7	15.1
60°-70°	613.2	10.9
70°-80°	344.8	6.2
80°-90°	96.4	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°	1691.3	30.2
0°-40°	2704.1	48.3
0°-60°	4545.8	81.2
0°-90°	5600.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5600.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2255	2255	2255	2255	2255	
5°	2244	2245	2239	2245	2247	213
15°	2141	2138	2123	2119	2116	603
25°	1942	1927	1908	1893	1886	894
35°	1666	1646	1614	1593	1583	1041
45°	1338	1321	1283	1258	1250	1034
55°	998	977	940	917	907	893
65°	657	639	614	591	586	652
75°	343	336	323	310	306	362
85°	84	88	80	80	80	97
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2255.2	2255.2	2255.2	2255.2	2255.2
2.5°	2251.9	2253.5	2248.6	2256.9	2258.5
5°	2243.6	2245.3	2238.6	2245.3	2246.9
7.5°	2228.7	2228.7	2220.4	2225.4	2225.4
10°	2207.2	2203.9	2193.9	2195.6	2195.6
12.5°	2175.7	2175.7	2162.5	2162.5	2159.2
15°	2141.0	2137.6	2122.7	2119.4	2116.1
17.5°	2099.6	2094.6	2078.0	2071.4	2068.1
20°	2051.5	2043.3	2025.0	2016.8	2013.5
22.5°	2000.2	1988.6	1967.1	1957.2	1953.8
25°	1942.3	1927.4	1907.5	1892.6	1886.0
27.5°	1882.6	1867.7	1839.6	1823.0	1816.4
30°	1811.4	1796.5	1770.1	1750.2	1740.2
32.5°	1738.6	1725.3	1693.9	1672.4	1665.7
35°	1665.7	1645.9	1614.4	1592.9	1582.9
37.5°	1586.3	1569.7	1534.9	1511.7	1500.2
40°	1506.8	1490.2	1452.1	1427.3	1417.4
42.5°	1424.0	1402.5	1369.3	1342.9	1334.6
45°	1337.9	1321.3	1283.2	1258.4	1250.1
47.5°	1256.8	1231.9	1197.1	1172.3	1160.7
50°	1172.3	1149.1	1112.7	1086.2	1077.9
52.5°	1084.6	1064.7	1028.3	1001.8	991.8
55°	998.4	976.9	940.5	917.3	907.4
57.5°	912.3	892.5	859.4	832.9	826.2
60°	824.6	806.4	773.3	751.7	743.5
62.5°	743.5	721.9	692.1	670.6	662.3
65°	657.4	639.1	614.3	591.1	586.2
67.5°	577.9	564.6	533.2	516.6	518.3
70°	491.8	491.8	463.6	447.1	468.6
72.5°	415.6	417.3	392.4	382.5	374.2
75°	342.8	336.1	322.9	309.6	306.3
77.5°	269.9	273.2	261.6	236.8	233.5
80°	200.4	218.6	192.1	175.5	172.2
82.5°	137.4	155.6	132.5	124.2	122.5
85°	84.4	87.8	79.5	79.5	79.5
87.5°	36.4	41.4	39.7	39.7	41.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)