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-L840.ies

Issue Date: 2/27/2025

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Scaled Data Report

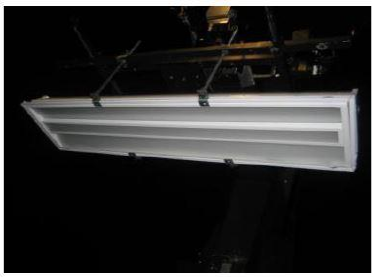
Test Information

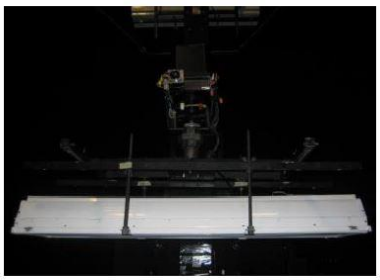
Test Method:	LM-79-2019
Report Number:	P#
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P601206)
Test Lab:	INNOVATION CENTER
Issue Date:	2/27/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	14D3X-LP-60-L840.ies
Description:	1x4 D3X-LP AT 6000lm 4000K 80CRI
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5924.5 lumens
Efficiency:	N/A
Efficacy:	83.2 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



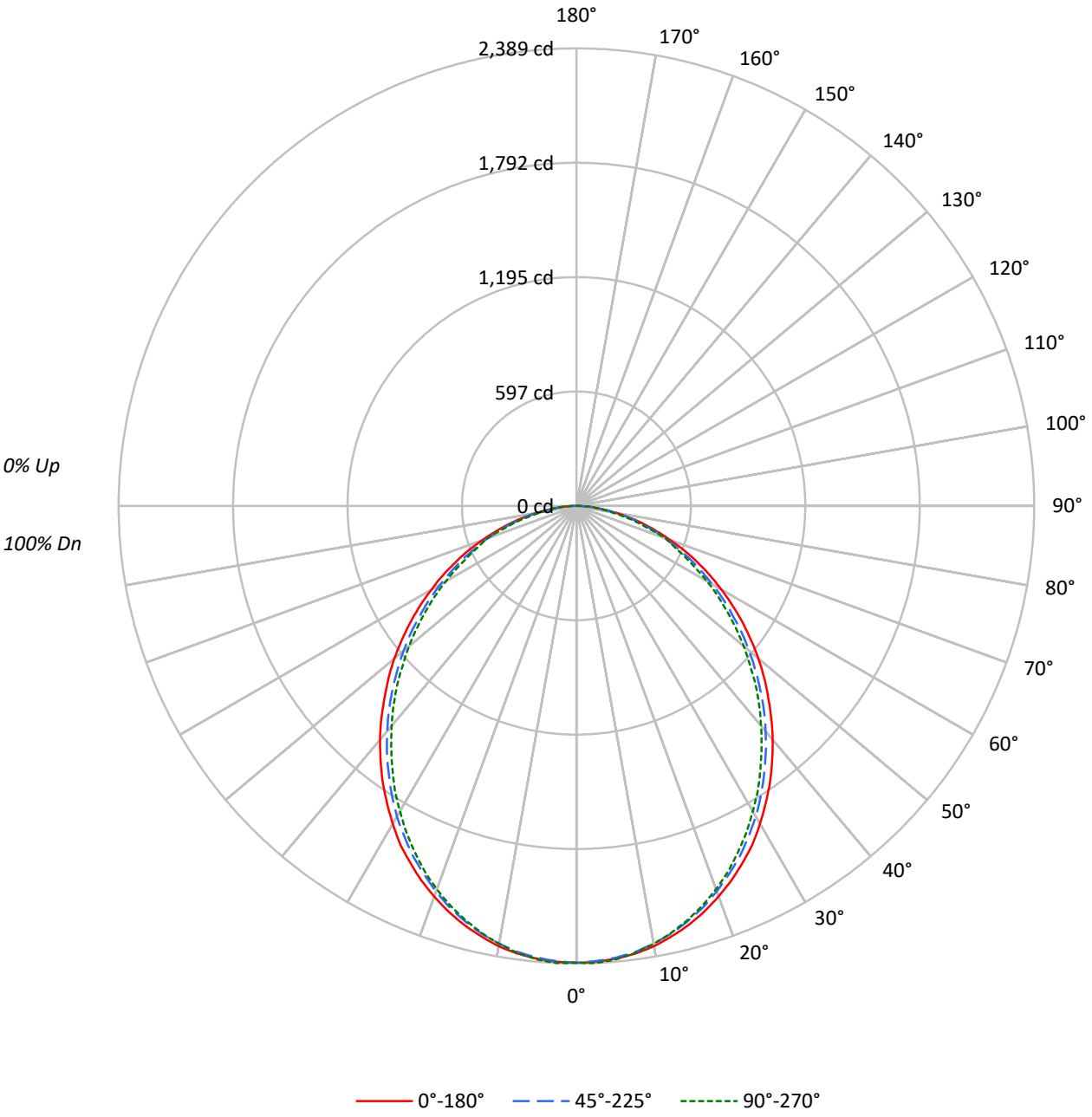


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Luminous Intensity Polar Plot



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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°	6420	6420	6420
5°	6411	6397	6421
10°	6380	6342	6347
15°	6310	6256	6237
20°	6215	6135	6100
25°	6101	5991	5924
30°	5954	5819	5720
35°	5789	5611	5501
40°	5599	5396	5267
45°	5386	5167	5033
50°	5192	4928	4774
55°	4956	4668	4503
60°	4695	4402	4233
65°	4428	4138	3948
70°	4094	3859	3900
75°	3770	3552	3370
80°	3285	3149	2824
85°	2757	2597	2597

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 5386 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	225.1	3.8
10°-20°	633.9	10.7
20°-30°	930.3	15.7
30°-40°	1071.4	18.1
40°-50°	1051.7	17.8
50°-60°	896.7	15.1
60°-70°	648.7	10.9
70°-80°	364.8	6.2
80°-90°	101.9	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°	1789.2	30.2
0°-40°	2860.6	48.3
0°-60°	4809.1	81.2
0°-90°	5924.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5924.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2386	2386	2386	2386	2386	
5°	2374	2375	2368	2375	2377	225
15°	2265	2261	2246	2242	2239	638
25°	2055	2039	2018	2002	1995	946
35°	1762	1741	1708	1685	1675	1101
45°	1415	1398	1358	1331	1322	1094
55°	1056	1034	995	970	960	945
65°	695	676	650	625	620	690
75°	363	356	342	328	324	383
85°	89	93	84	84	84	103
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2385.8	2385.8	2385.8	2385.8	2385.8
2.5°	2382.3	2384.0	2378.8	2387.6	2389.3
5°	2373.5	2375.3	2368.3	2375.3	2377.0
7.5°	2357.8	2357.8	2349.0	2354.3	2354.3
10°	2335.0	2331.5	2321.0	2322.7	2322.7
12.5°	2301.7	2301.7	2287.7	2287.7	2284.2
15°	2264.9	2261.4	2245.7	2242.2	2238.7
17.5°	2221.1	2215.9	2198.4	2191.4	2187.9
20°	2170.3	2161.6	2142.3	2133.6	2130.1
22.5°	2116.0	2103.8	2081.0	2070.5	2067.0
25°	2054.7	2039.0	2017.9	2002.2	1995.2
27.5°	1991.7	1975.9	1946.1	1928.6	1921.6
30°	1916.3	1900.6	1872.6	1851.5	1841.0
32.5°	1839.3	1825.3	1792.0	1769.2	1762.2
35°	1762.2	1741.2	1707.9	1685.1	1674.6
37.5°	1678.1	1660.6	1623.8	1599.3	1587.0
40°	1594.0	1576.5	1536.2	1510.0	1499.4
42.5°	1506.5	1483.7	1448.6	1420.6	1411.9
45°	1415.4	1397.8	1357.6	1331.3	1322.5
47.5°	1329.5	1303.3	1266.5	1240.2	1227.9
50°	1240.2	1215.7	1177.1	1149.1	1140.3
52.5°	1147.4	1126.3	1087.8	1059.8	1049.3
55°	1056.3	1033.5	995.0	970.4	959.9
57.5°	965.2	944.2	909.1	881.1	874.1
60°	872.3	853.1	818.0	795.3	786.5
62.5°	786.5	763.7	732.2	709.4	700.7
65°	695.4	676.2	649.9	625.4	620.1
67.5°	611.3	597.3	564.0	546.5	548.3
70°	520.3	520.3	490.5	473.0	495.7
72.5°	439.7	441.4	415.2	404.6	395.9
75°	362.6	355.6	341.6	327.6	324.1
77.5°	285.5	289.0	276.8	250.5	247.0
80°	212.0	231.2	203.2	185.7	182.2
82.5°	145.4	164.7	140.1	131.4	129.6
85°	89.3	92.8	84.1	84.1	84.1
87.5°	38.5	43.8	42.0	42.0	43.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)