

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-WD-60-L840.ies

Issue Date: 2/27/2025

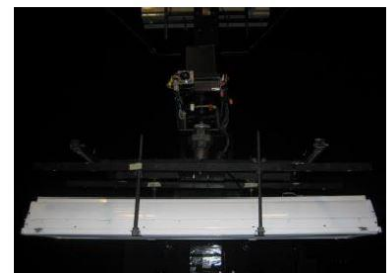
Test Information

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-WD-60-L840.ies
Description: 1x4 D3X-LP ROUND PERF AT 6000lm 4000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

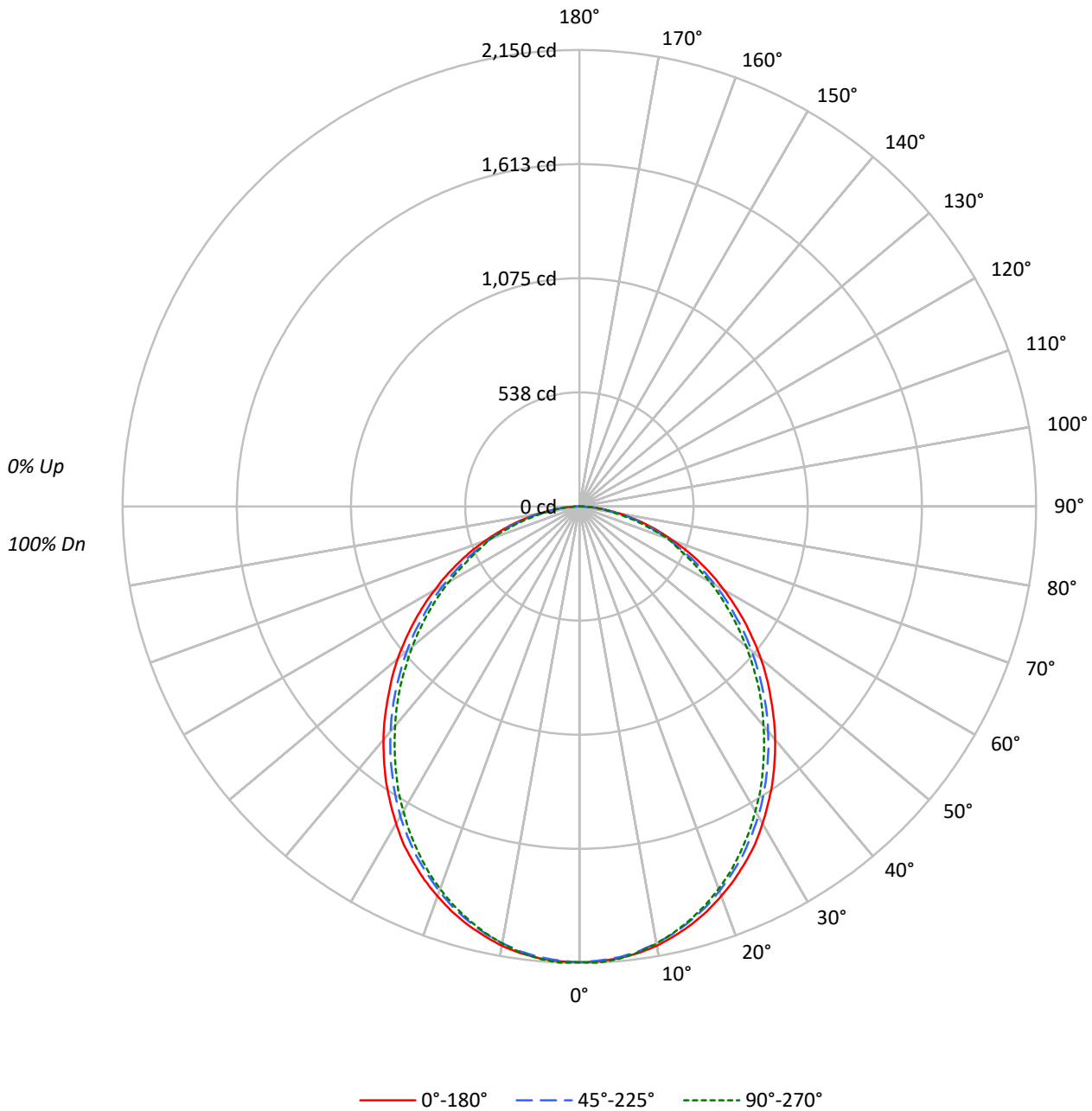
Lumens per Lamp: N/A
Luminaire Lumens: 5332.0 lumens
Efficiency: N/A
Efficacy: 74.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.28
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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



TEST NUMBER: P#
CATALOG NUMBER: 14D3X-LP-WD-60-L840.ies

Luminous Intensity Polar Plot





TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-60-L840.ies

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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°	5778	5778	5778
5°	5770	5758	5779
10°	5742	5708	5712
15°	5679	5631	5613
20°	5594	5521	5490
25°	5491	5393	5332
30°	5359	5237	5148
35°	5210	5049	4951
40°	5039	4857	4741
45°	4848	4650	4530
50°	4673	4435	4297
55°	4460	4201	4053
60°	4225	3962	3810
65°	3985	3724	3554
70°	3684	3473	3511
75°	3393	3196	3033
80°	2957	2834	2541
85°	2482	2337	2337

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4848 cd/sqm



TEST NUMBER: P#
 CATALOG NUMBER: 14D3X-LP-WD-60-L840.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	202.5	3.8
10°-20°	570.5	10.7
20°-30°	837.2	15.7
30°-40°	964.3	18.1
40°-50°	946.6	17.8
50°-60°	807.1	15.1
60°-70°	583.8	10.9
70°-80°	328.3	6.2
80°-90°	91.8	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°	1610.3	30.2
0°-40°	2574.6	48.3
0°-60°	4328.2	81.2
0°-90°	5332.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5332.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2147	2147	2147	2147	2147	
5°	2136	2138	2132	2138	2139	203
15°	2038	2035	2021	2018	2015	574
25°	1849	1835	1816	1802	1796	852
35°	1586	1567	1537	1517	1507	991
45°	1274	1258	1222	1198	1190	984
55°	951	930	896	873	864	850
65°	626	608	585	563	558	621
75°	326	320	307	295	292	345
85°	80	84	76	76	76	93
90°	0	0	0	0	0	



TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-60-L840.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2147.2	2147.2	2147.2	2147.2	2147.2
2.5°	2144.1	2145.6	2140.9	2148.8	2150.4
5°	2136.2	2137.8	2131.5	2137.8	2139.3
7.5°	2122.0	2122.0	2114.1	2118.8	2118.8
10°	2101.5	2098.3	2088.9	2090.5	2090.5
12.5°	2071.5	2071.5	2058.9	2058.9	2055.8
15°	2038.4	2035.3	2021.1	2017.9	2014.8
17.5°	1999.0	1994.3	1978.5	1972.2	1969.1
20°	1953.3	1945.4	1928.1	1920.2	1917.0
22.5°	1904.4	1893.4	1872.9	1863.4	1860.3
25°	1849.3	1835.1	1816.2	1802.0	1795.7
27.5°	1792.5	1778.3	1751.5	1735.7	1729.4
30°	1724.7	1710.5	1685.3	1666.4	1656.9
32.5°	1655.3	1642.7	1612.8	1592.3	1586.0
35°	1586.0	1567.1	1537.1	1516.6	1507.2
37.5°	1510.3	1494.5	1461.4	1439.4	1428.3
40°	1434.6	1418.9	1382.6	1359.0	1349.5
42.5°	1355.8	1335.3	1303.8	1278.6	1270.7
45°	1273.8	1258.1	1221.8	1198.2	1190.3
47.5°	1196.6	1172.9	1139.8	1116.2	1105.1
50°	1116.2	1094.1	1059.4	1034.2	1026.3
52.5°	1032.6	1013.7	979.0	953.8	944.3
55°	950.6	930.1	895.5	873.4	863.9
57.5°	868.7	849.7	818.2	793.0	786.7
60°	785.1	767.8	736.2	715.7	707.9
62.5°	707.9	687.4	659.0	638.5	630.6
65°	625.9	608.5	584.9	562.8	558.1
67.5°	550.2	537.6	507.6	491.9	493.5
70°	468.2	468.2	441.4	425.7	446.2
72.5°	395.7	397.3	373.6	364.2	356.3
75°	326.3	320.0	307.4	294.8	291.7
77.5°	257.0	260.1	249.1	225.4	222.3
80°	190.8	208.1	182.9	167.1	164.0
82.5°	130.9	148.2	126.1	118.2	116.7
85°	80.4	83.6	75.7	75.7	75.7
87.5°	34.7	39.4	37.8	37.8	39.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)