

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-L830.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-L830.ies
Description: 1x4 D3X-LP ROUND PERF AT 6000lm 3000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5040.2 lumens
Efficiency: N/A
Efficacy: 70.8 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

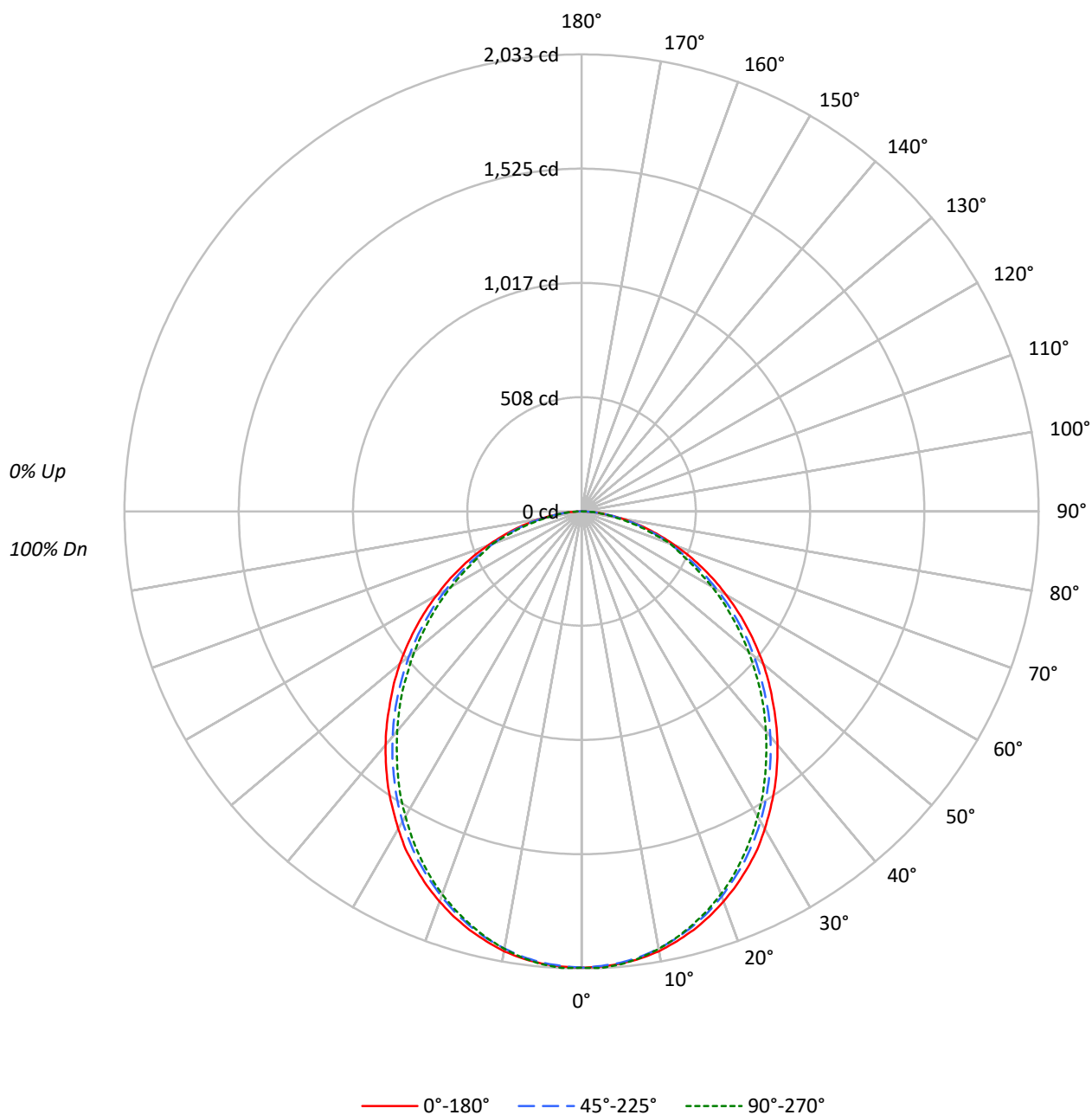
Input Watts (W): 71.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-60-L830.ies

Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20					20					20					20
RC	80				70					50					30					10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10
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°	5462	5462	5462
5°	5455	5442	5462
10°	5428	5395	5399
15°	5368	5322	5306
20°	5287	5219	5189
25°	5190	5097	5040
30°	5066	4950	4867
35°	4925	4773	4680
40°	4764	4591	4481
45°	4582	4395	4282
50°	4417	4192	4061
55°	4216	3971	3831
60°	3994	3745	3601
65°	3767	3521	3359
70°	3482	3283	3318
75°	3208	3021	2866
80°	2794	2679	2402
85°	2347	2208	2208

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4582 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.5	3.8
10°-20°	539.3	10.7
20°-30°	791.4	15.7
30°-40°	911.5	18.1
40°-50°	894.7	17.8
50°-60°	762.9	15.1
60°-70°	551.9	10.9
70°-80°	310.3	6.2
80°-90°	86.7	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°	1522.2	30.2
0°-40°	2433.6	48.3
0°-60°	4091.2	81.2
0°-90°	5040.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5040.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2030	2030	2030	2030	2030	
5°	2019	2021	2015	2021	2022	192
15°	1927	1924	1910	1908	1904	543
25°	1748	1735	1717	1703	1697	805
35°	1499	1481	1453	1434	1425	937
45°	1204	1189	1155	1133	1125	930
55°	899	879	846	826	817	804
65°	592	575	553	532	528	587
75°	308	302	291	279	276	326
85°	76	79	72	72	72	88
90°	0	0	0	0	0	

TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-WD-60-L830.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2029.7	2029.7	2029.7	2029.7	2029.7
2.5°	2026.7	2028.2	2023.7	2031.2	2032.7
5°	2019.3	2020.7	2014.8	2020.7	2022.2
7.5°	2005.8	2005.8	1998.4	2002.9	2002.9
10°	1986.5	1983.5	1974.5	1976.0	1976.0
12.5°	1958.2	1958.2	1946.2	1946.2	1943.3
15°	1926.9	1923.9	1910.5	1907.5	1904.5
17.5°	1889.6	1885.1	1870.2	1864.3	1861.3
20°	1846.4	1838.9	1822.5	1815.1	1812.1
22.5°	1800.2	1789.8	1770.4	1761.4	1758.5
25°	1748.0	1734.6	1716.7	1703.3	1697.4
27.5°	1694.4	1681.0	1655.6	1640.7	1634.8
30°	1630.3	1616.9	1593.0	1575.2	1566.2
32.5°	1564.7	1552.8	1524.5	1505.1	1499.2
35°	1499.2	1481.3	1453.0	1433.6	1424.7
37.5°	1427.6	1412.7	1381.4	1360.6	1350.1
40°	1356.1	1341.2	1306.9	1284.6	1275.6
42.5°	1281.6	1262.2	1232.4	1208.6	1201.1
45°	1204.1	1189.2	1154.9	1132.6	1125.1
47.5°	1131.1	1108.7	1077.4	1055.1	1044.6
50°	1055.1	1034.2	1001.4	977.6	970.1
52.5°	976.1	958.2	925.4	901.6	892.6
55°	898.6	879.2	846.4	825.6	816.6
57.5°	821.1	803.2	773.4	749.6	743.6
60°	742.1	725.7	695.9	676.6	669.1
62.5°	669.1	649.7	622.9	603.5	596.1
65°	591.6	575.2	552.9	532.0	527.5
67.5°	520.1	508.2	479.9	464.9	466.4
70°	442.6	442.6	417.3	402.4	421.7
72.5°	374.0	375.5	353.2	344.2	336.8
75°	308.5	302.5	290.6	278.7	275.7
77.5°	242.9	245.9	235.5	213.1	210.1
80°	180.3	196.7	172.9	158.0	155.0
82.5°	123.7	140.1	119.2	111.8	110.3
85°	76.0	79.0	71.5	71.5	71.5
87.5°	32.8	37.3	35.8	35.8	37.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)