

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-L835.ies

Issue Date: 2/27/2025

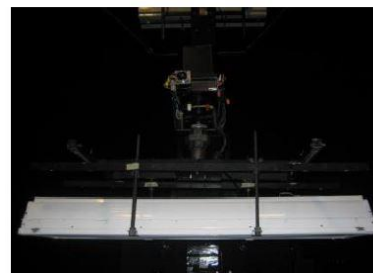
Test Information

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-60-L835.ies
Description: 1x4 D3X-LP AT 6000lm 3500K 80CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5895.0 lumens
Efficiency: N/A
Efficacy: 82.8 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

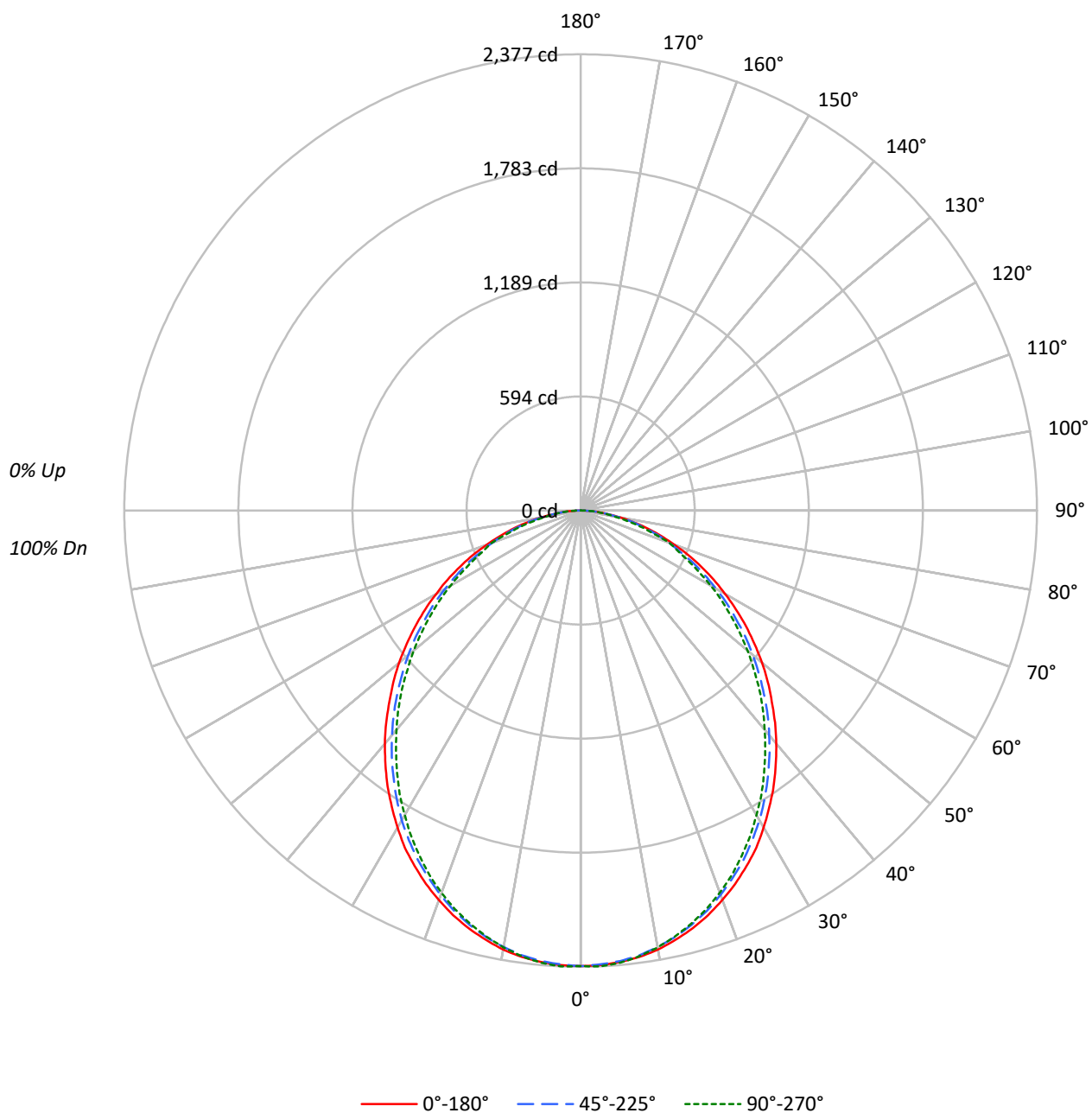
Input Watts (W): 71.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71		71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60		60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		45
6	71	58	49	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40		40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		32
9	58	45	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	6388	6388	6388
5°	6380	6366	6389
10°	6349	6310	6315
15°	6279	6225	6206
20°	6184	6104	6069
25°	6070	5962	5894
30°	5925	5789	5692
35°	5760	5583	5474
40°	5572	5370	5241
45°	5359	5141	5008
50°	5166	4904	4750
55°	4931	4645	4481
60°	4672	4381	4212
65°	4406	4117	3929
70°	4073	3840	3881
75°	3751	3534	3352
80°	3268	3133	2810
85°	2745	2584	2584

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 5359 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.9	3.8
10°-20°	630.8	10.7
20°-30°	925.6	15.7
30°-40°	1066.1	18.1
40°-50°	1046.5	17.8
50°-60°	892.3	15.1
60°-70°	645.5	10.9
70°-80°	362.9	6.2
80°-90°	101.4	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°	1780.3	30.2
0°-40°	2846.4	48.3
0°-60°	4785.2	81.2
0°-90°	5895.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5895.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2374	2374	2374	2374	2374	
5°	2362	2364	2356	2364	2365	224
15°	2254	2250	2234	2231	2228	635
25°	2044	2029	2008	1992	1985	941
35°	1753	1732	1699	1677	1666	1095
45°	1408	1391	1351	1325	1316	1088
55°	1051	1028	990	966	955	940
65°	692	673	647	622	617	687
75°	361	354	340	326	322	381
85°	89	92	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°	2373.9	2373.9	2373.9	2373.9	2373.9
2.5°	2370.4	2372.2	2366.9	2375.7	2377.4
5°	2361.7	2363.5	2356.5	2363.5	2365.2
7.5°	2346.0	2346.0	2337.3	2342.5	2342.5
10°	2323.4	2319.9	2309.4	2311.2	2311.2
12.5°	2290.3	2290.3	2276.3	2276.3	2272.8
15°	2253.7	2250.2	2234.5	2231.0	2227.5
17.5°	2210.1	2204.9	2187.4	2180.5	2177.0
20°	2159.5	2150.8	2131.6	2122.9	2119.4
22.5°	2105.5	2093.3	2070.6	2060.2	2056.7
25°	2044.5	2028.8	2007.9	1992.2	1985.2
27.5°	1981.8	1966.1	1936.4	1919.0	1912.0
30°	1906.8	1891.1	1863.2	1842.3	1831.9
32.5°	1830.1	1816.2	1783.1	1760.4	1753.4
35°	1753.4	1732.5	1699.4	1676.7	1666.3
37.5°	1669.8	1652.3	1615.7	1591.3	1579.1
40°	1586.1	1568.7	1528.6	1502.4	1492.0
42.5°	1499.0	1476.3	1441.4	1413.5	1404.8
45°	1408.3	1390.9	1350.8	1324.7	1315.9
47.5°	1322.9	1296.8	1260.2	1234.0	1221.8
50°	1234.0	1209.6	1171.3	1143.4	1134.7
52.5°	1141.6	1120.7	1082.4	1054.5	1044.0
55°	1051.0	1028.4	990.0	965.6	955.1
57.5°	960.4	939.5	904.6	876.7	869.7
60°	868.0	848.8	814.0	791.3	782.6
62.5°	782.6	759.9	728.6	705.9	697.2
65°	692.0	672.8	646.6	622.2	617.0
67.5°	608.3	594.4	561.2	543.8	545.5
70°	517.7	517.7	488.0	470.6	493.3
72.5°	437.5	439.2	413.1	402.6	393.9
75°	360.8	353.8	339.9	325.9	322.4
77.5°	284.1	287.6	275.4	249.2	245.8
80°	210.9	230.1	202.2	184.8	181.3
82.5°	144.7	163.8	139.4	130.7	129.0
85°	88.9	92.4	83.7	83.7	83.7
87.5°	38.3	43.6	41.8	41.8	43.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)