

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-30-L840.ies

Issue Date: 2/27/2025

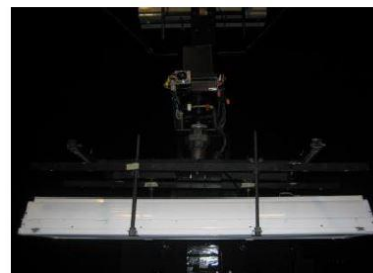
Test Information

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-30-L840.ies
Description: 1x4 D3X-LP AT 3000lm 4000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2963.0 lumens
Efficiency: N/A
Efficacy: 93.2 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

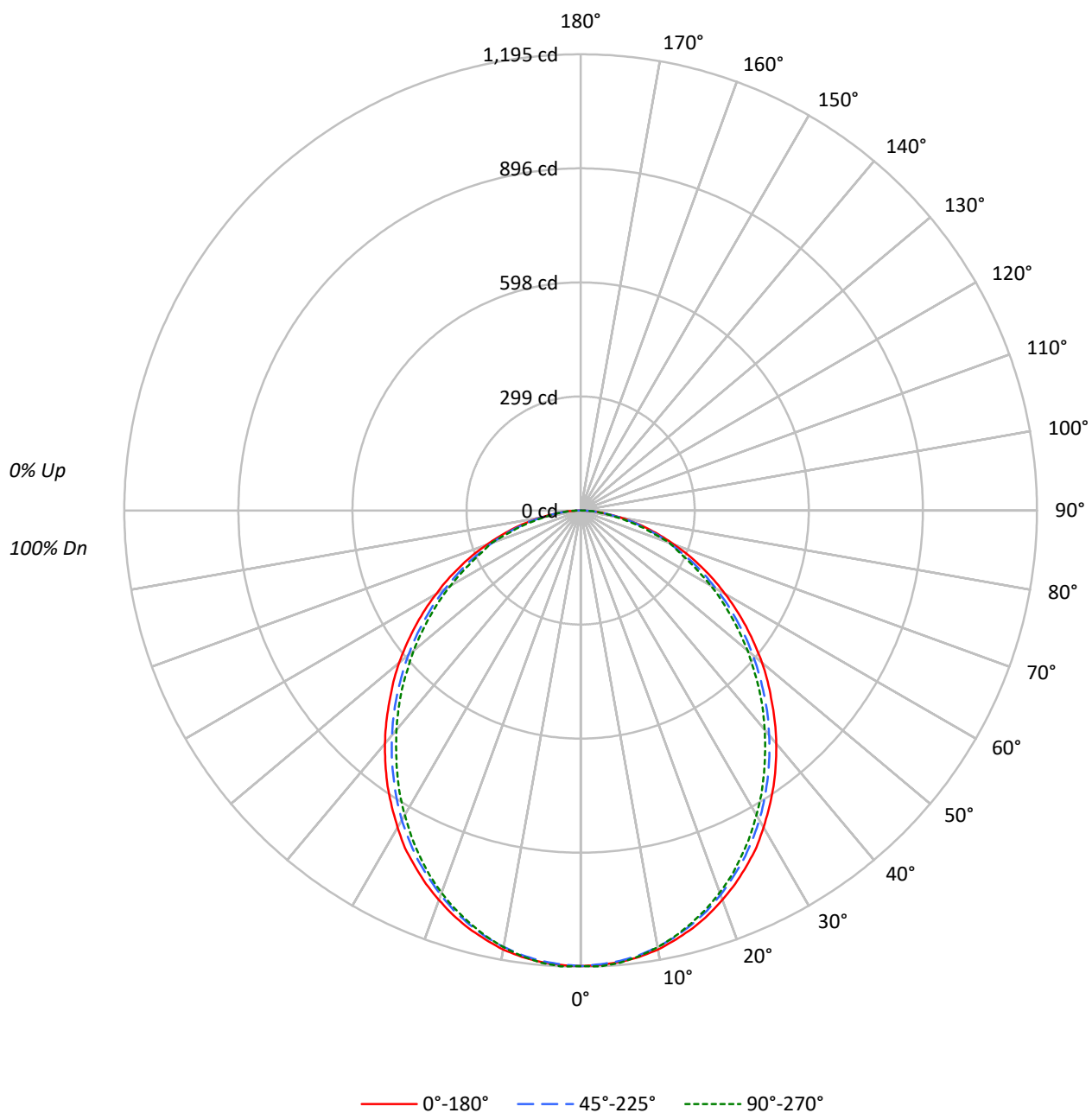
Input Watts (W): 31.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P#

CATALOG NUMBER: 14D3X-LP-30-L840.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					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°	3211	3211	3211
5°	3207	3199	3211
10°	3191	3172	3174
15°	3156	3129	3119
20°	3108	3068	3051
25°	3051	2996	2963
30°	2978	2910	2861
35°	2895	2806	2751
40°	2800	2699	2634
45°	2694	2584	2517
50°	2597	2465	2388
55°	2479	2335	2252
60°	2348	2202	2117
65°	2215	2069	1975
70°	2047	1930	1950
75°	1885	1776	1685
80°	1643	1574	1412
85°	1380	1300	1300

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2694 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.6	3.8
10°-20°	317.0	10.7
20°-30°	465.2	15.7
30°-40°	535.8	18.1
40°-50°	526.0	17.8
50°-60°	448.5	15.1
60°-70°	324.4	10.9
70°-80°	182.4	6.2
80°-90°	51.0	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°	894.8	30.2
0°-40°	1430.7	48.3
0°-60°	2405.2	81.2
0°-90°	2963.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2963.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1193	1193	1193	1193	1193	
5°	1187	1188	1184	1188	1189	113
15°	1133	1131	1123	1121	1120	319
25°	1028	1020	1009	1001	998	473
35°	881	871	854	843	838	551
45°	708	699	679	666	661	547
55°	528	517	498	485	480	472
65°	348	338	325	313	310	345
75°	181	178	171	164	162	192
85°	45	46	42	42	42	52
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1193.2	1193.2	1193.2	1193.2	1193.2
2.5°	1191.5	1192.3	1189.7	1194.1	1195.0
5°	1187.1	1187.9	1184.4	1187.9	1188.8
7.5°	1179.2	1179.2	1174.8	1177.4	1177.4
10°	1167.8	1166.0	1160.8	1161.7	1161.7
12.5°	1151.2	1151.2	1144.1	1144.1	1142.4
15°	1132.8	1131.0	1123.1	1121.4	1119.6
17.5°	1110.9	1108.2	1099.5	1096.0	1094.2
20°	1085.4	1081.1	1071.4	1067.0	1065.3
22.5°	1058.3	1052.2	1040.8	1035.5	1033.8
25°	1027.6	1019.7	1009.2	1001.3	997.8
27.5°	996.1	988.2	973.3	964.5	961.0
30°	958.4	950.5	936.5	926.0	920.7
32.5°	919.9	912.9	896.2	884.8	881.3
35°	881.3	870.8	854.2	842.8	837.5
37.5°	839.3	830.5	812.1	799.8	793.7
40°	797.2	788.5	768.3	755.2	749.9
42.5°	753.4	742.0	724.5	710.5	706.1
45°	707.9	699.1	679.0	665.8	661.4
47.5°	664.9	651.8	633.4	620.3	614.1
50°	620.3	608.0	588.7	574.7	570.3
52.5°	573.8	563.3	544.0	530.0	524.8
55°	528.3	516.9	497.6	485.3	480.1
57.5°	482.7	472.2	454.7	440.7	437.2
60°	436.3	426.6	409.1	397.7	393.4
62.5°	393.4	382.0	366.2	354.8	350.4
65°	347.8	338.2	325.0	312.8	310.1
67.5°	305.7	298.7	282.1	273.3	274.2
70°	260.2	260.2	245.3	236.5	247.9
72.5°	219.9	220.8	207.6	202.4	198.0
75°	181.3	177.8	170.8	163.8	162.1
77.5°	142.8	144.6	138.4	125.3	123.5
80°	106.0	115.6	101.6	92.9	91.1
82.5°	72.7	82.4	70.1	65.7	64.8
85°	44.7	46.4	42.1	42.1	42.1
87.5°	19.3	21.9	21.0	21.0	21.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)