

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: P601094

Luminaire Tested: 22D3X-LP-30-L840

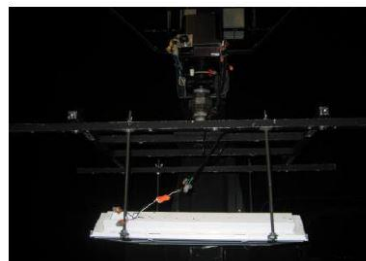
Issue Date: 10/5/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P601094  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-104-1)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/5/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 22D3X-LP-30-L840  
Description: 2x2 D3X-LP AT 3000LM 4000K 80CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

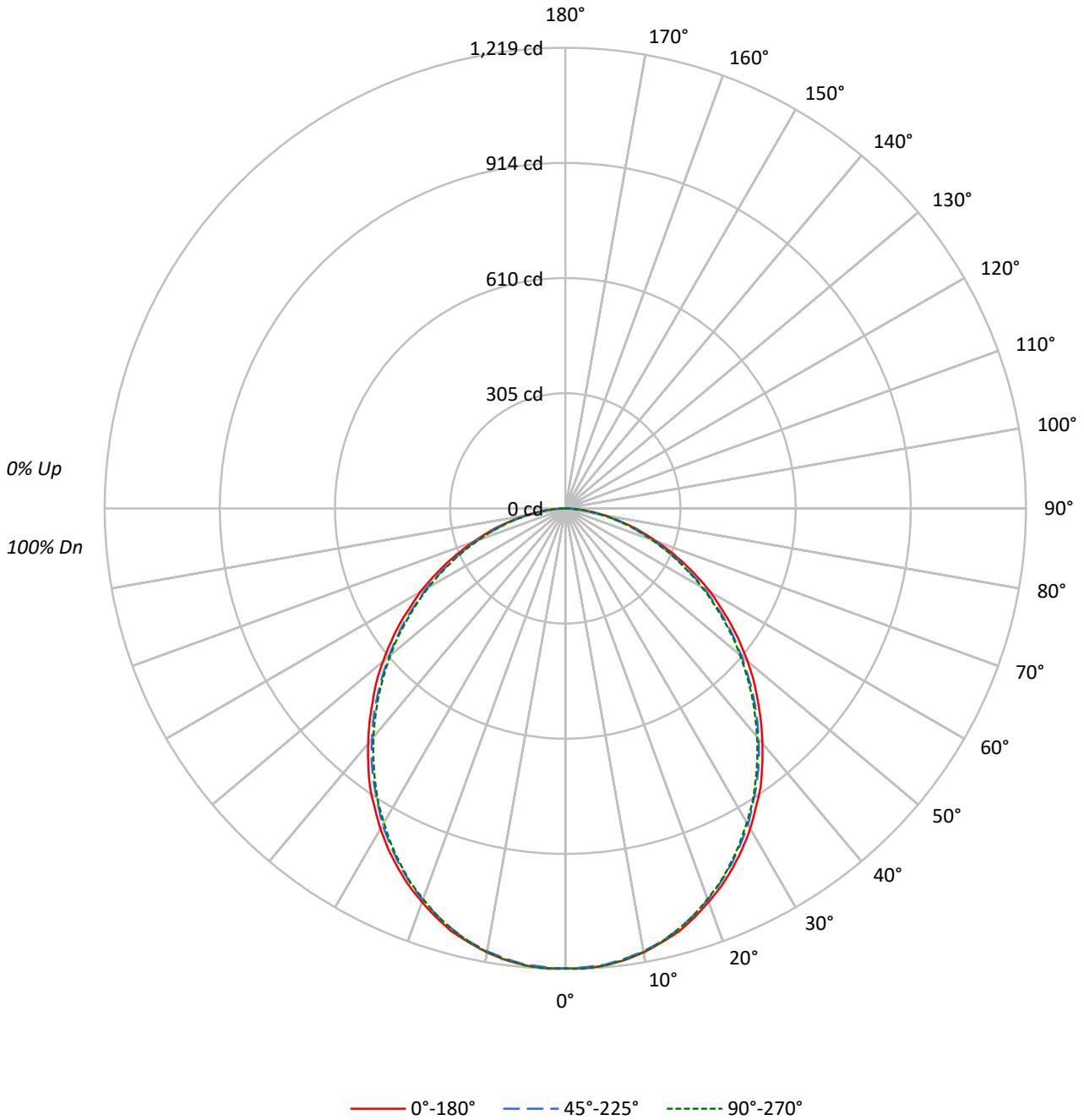
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3043.0 lumens  
Efficiency: N/A  
Efficacy: 123.7 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 24.6  
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				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	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36
8	62	49	40	34	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	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°	3277	3277	3277
5°	3280	3273	3280
10°	3261	3251	3258
15°	3230	3214	3214
20°	3175	3157	3150
25°	3115	3086	3075
30°	3041	3004	2985
35°	2961	2905	2885
40°	2850	2795	2774
45°	2742	2677	2654
50°	2635	2549	2529
55°	2515	2424	2390
60°	2389	2285	2252
65°	2224	2116	2093
70°	2032	1956	1909
75°	1854	1740	1753
80°	1598	1503	1522
85°	1235	1198	1124

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2742 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	115.0	3.8
10°-20°	325.2	10.7
20°-30°	479.0	15.7
30°-40°	554.1	18.2
40°-50°	544.8	17.9
50°-60°	464.3	15.3
60°-70°	332.7	10.9
70°-80°	180.7	5.9
80°-90°	47.1	1.5
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°	919.3	30.2
0°-40°	1473.5	48.4
0°-60°	2482.5	81.6
0°-90°	3043.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3043.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1218	1218	1218	1218	1218	
5°	1214	1212	1212	1212	1214	115
15°	1160	1155	1154	1152	1154	326
25°	1049	1044	1039	1037	1036	483
35°	901	894	884	879	878	562
45°	720	716	704	697	697	557
55°	536	526	517	511	509	479
65°	349	342	332	329	329	346
75°	178	172	167	165	169	188
85°	40	40	39	38	36	49
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1217.7	1217.7	1217.7	1217.7	1217.7
2.5°	1217.7	1216.5	1215.3	1216.5	1218.9
5°	1214.1	1211.7	1211.7	1211.7	1214.1
7.5°	1205.6	1203.2	1202.0	1203.2	1204.4
10°	1193.5	1191.0	1189.8	1191.0	1192.3
12.5°	1176.5	1175.3	1174.1	1174.1	1175.3
15°	1159.5	1154.7	1153.5	1152.2	1153.5
17.5°	1135.3	1134.0	1129.2	1129.2	1129.2
20°	1108.6	1106.1	1102.5	1100.1	1100.1
22.5°	1080.7	1078.3	1072.2	1069.8	1071.0
25°	1049.1	1044.3	1039.4	1037.0	1035.8
27.5°	1015.2	1010.3	1003.1	999.4	999.4
30°	978.8	975.2	966.7	961.8	960.6
32.5°	938.8	936.3	924.2	921.8	921.8
35°	901.2	893.9	884.2	879.3	878.1
37.5°	856.3	851.4	841.7	835.7	834.5
40°	811.4	805.4	795.7	790.8	789.6
42.5°	766.5	760.5	750.8	744.7	743.5
45°	720.5	715.6	703.5	697.4	697.4
47.5°	676.8	667.1	656.2	651.3	650.1
50°	629.5	621.0	608.9	604.0	604.0
52.5°	582.2	576.1	562.8	560.4	557.9
55°	536.1	526.4	516.7	510.6	509.4
57.5°	486.4	477.9	468.2	463.3	463.3
60°	443.9	433.0	424.5	418.4	418.4
62.5°	395.4	385.7	377.2	373.6	372.4
65°	349.3	342.0	332.3	328.7	328.7
67.5°	303.2	297.2	288.7	285.0	286.2
70°	258.3	254.7	248.6	243.8	242.6
72.5°	217.1	212.3	206.2	205.0	205.0
75°	178.3	172.2	167.4	165.0	168.6
77.5°	138.3	134.6	132.2	131.0	132.2
80°	103.1	98.2	97.0	98.2	98.2
82.5°	71.6	69.1	67.9	67.9	67.9
85°	40.0	40.0	38.8	37.6	36.4
87.5°	15.8	15.8	17.0	17.0	18.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)