

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: P601156

Luminaire Tested: 24D3X-LP-35-L935

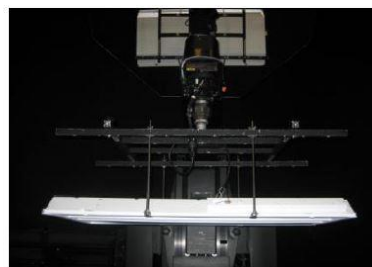
Issue Date: 10/6/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P601156  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2305-008-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/6/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 24D3X-LP-35-L935  
Description: 2x4 D3X-LP AT 3500LM 3500K 90CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

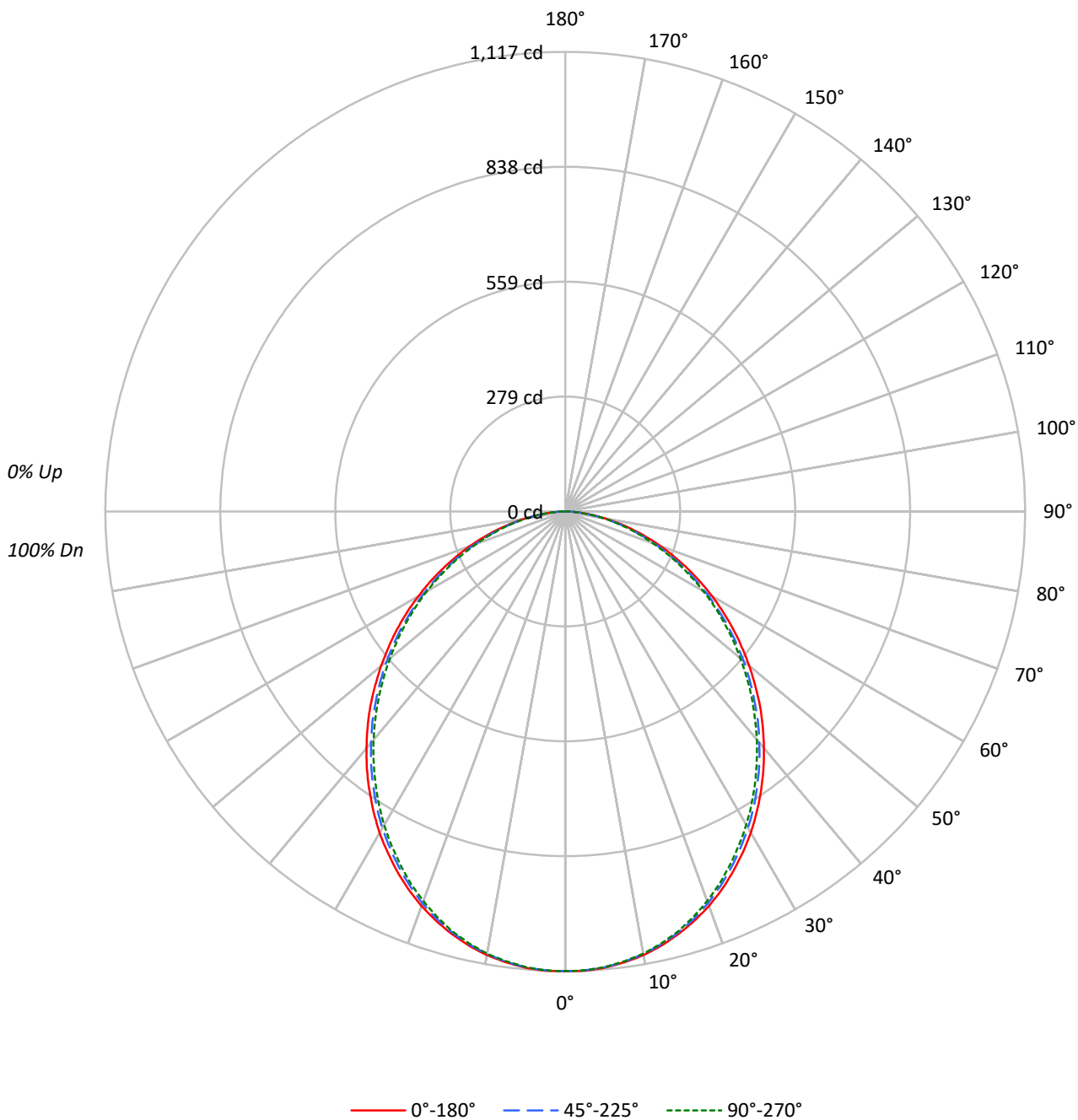
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2817.0 lumens  
Efficiency: N/A  
Efficacy: 111.3 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 25.3  
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	
RW	70	50	30	10	70	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	99	95	98	95	92	94	92	89	91	89	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	55	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	42	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	33	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	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°	1503	1503	1503
5°	1503	1502	1500
10°	1496	1492	1491
15°	1481	1476	1472
20°	1461	1451	1443
25°	1433	1417	1406
30°	1401	1380	1367
35°	1362	1336	1321
40°	1318	1288	1272
45°	1273	1237	1219
50°	1221	1184	1163
55°	1168	1127	1106
60°	1108	1063	1043
65°	1042	994	974
70°	970	918	895
75°	880	831	817
80°	762	721	725
85°	628	621	580

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1273 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	105.5	3.7
10°-20°	298.6	10.6
20°-30°	440.1	15.6
30°-40°	509.5	18.1
40°-50°	503.0	17.9
50°-60°	430.8	15.3
60°-70°	311.5	11.1
70°-80°	171.7	6.1
80°-90°	46.2	1.6
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°	844.3	30.0
0°-40°	1353.7	48.1
0°-60°	2287.6	81.2
0°-90°	2817.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2817.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1117	1117	1117	1117	1117	
5°	1113	1112	1112	1111	1111	106
15°	1063	1062	1060	1058	1057	300
25°	965	963	955	950	947	444
35°	829	824	813	806	804	518
45°	669	660	650	644	641	516
55°	498	488	480	473	471	445
65°	327	320	312	307	306	325
75°	169	164	160	159	157	180
85°	41	41	40	38	38	48
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1117.2	1117.2	1117.2	1117.2	1117.2
2.5°	1117.2	1117.2	1116.2	1116.2	1116.2
5°	1113.0	1112.5	1111.9	1110.9	1110.9
7.5°	1105.1	1105.1	1103.5	1103.5	1102.4
10°	1095.0	1093.9	1092.4	1092.4	1091.3
12.5°	1080.7	1079.7	1077.5	1077.0	1075.4
15°	1063.3	1062.2	1059.6	1058.0	1056.9
17.5°	1043.2	1041.6	1038.4	1035.8	1033.6
20°	1020.4	1018.3	1013.5	1010.4	1007.7
22.5°	994.5	992.4	985.5	981.8	979.2
25°	965.4	962.8	954.8	950.1	947.4
27.5°	934.2	931.0	922.0	916.7	914.1
30°	901.9	897.2	888.2	881.8	879.7
32.5°	866.0	861.2	852.2	844.8	842.7
35°	828.9	823.6	813.1	806.2	804.1
37.5°	790.8	784.0	774.4	767.6	764.4
40°	750.6	743.8	733.2	725.8	724.2
42.5°	710.4	702.0	693.0	685.6	682.4
45°	669.2	660.2	650.1	643.8	640.6
47.5°	625.8	617.3	608.3	600.9	598.3
50°	583.5	574.5	565.5	558.6	555.4
52.5°	540.1	531.1	522.6	516.8	513.6
55°	497.8	488.3	480.3	473.4	471.3
57.5°	454.9	446.5	437.5	431.1	429.5
60°	411.6	404.1	395.2	389.3	387.7
62.5°	369.8	362.4	353.9	348.1	345.4
65°	327.4	320.0	312.1	307.3	305.8
67.5°	286.2	279.3	272.4	267.7	266.6
70°	246.5	239.6	233.3	229.1	227.5
72.5°	206.8	202.1	195.7	193.1	191.5
75°	169.3	164.0	159.8	159.2	157.1
77.5°	132.8	132.2	125.4	124.3	124.3
80°	98.4	96.8	93.1	92.0	93.6
82.5°	67.7	66.7	64.5	64.0	63.5
85°	40.7	40.7	40.2	37.6	37.6
87.5°	18.5	18.0	17.5	18.0	19.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)