

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State  
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: CORELITE

Report Number: P257416

Luminaire Tested: **D3X-WG-35L940-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257416  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-35L940-LD5-UNV-22-T1-STD  
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH RECTANGULAR PERF  
Light Source: (126) 4000 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2962.5 lumens  
Efficiency: N/A  
Efficacy: 96.8 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

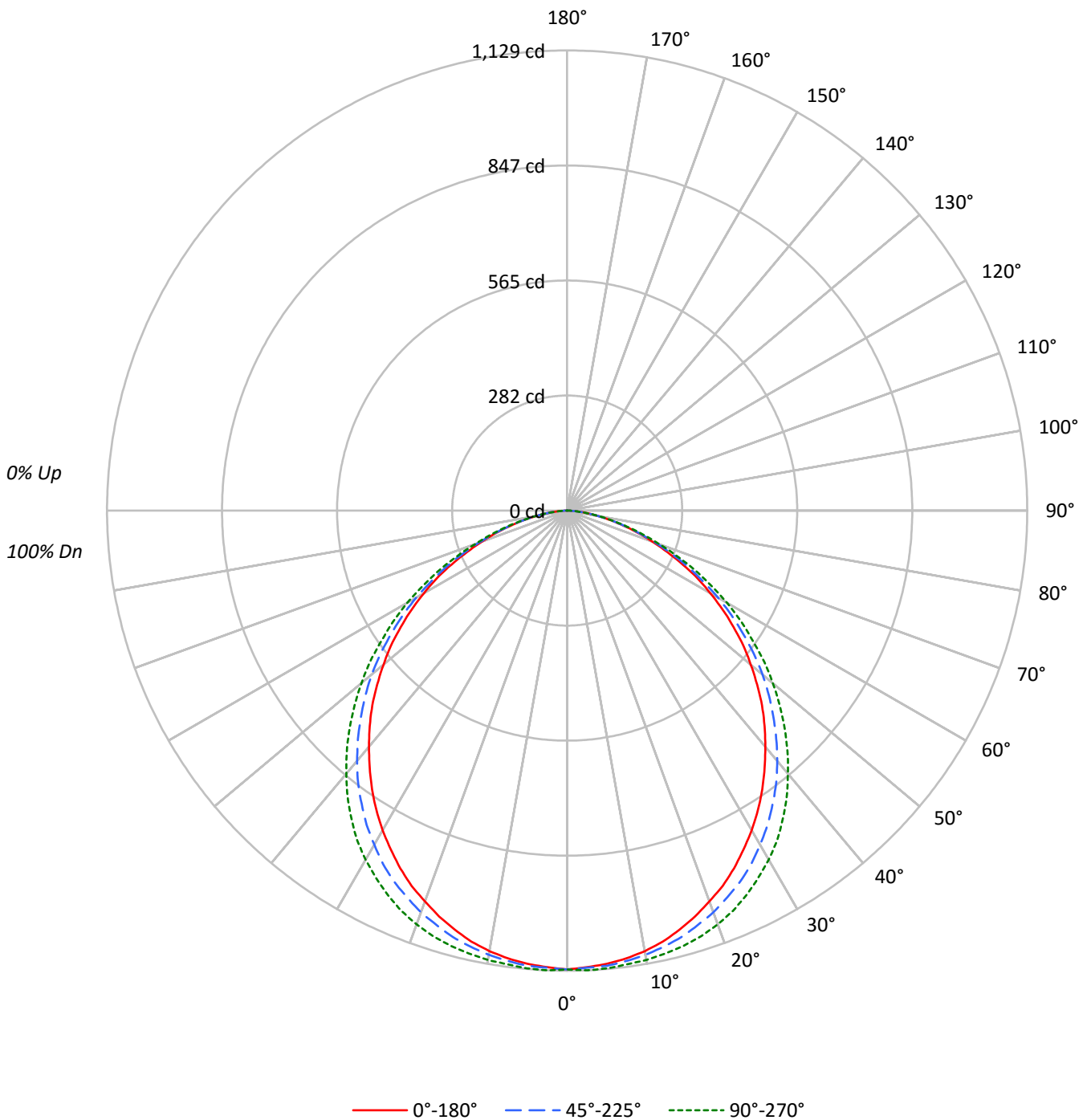
Input Watts (W): 30.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	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	64	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	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3030	3030	3030
5°	3016	3028	3045
10°	2999	3025	3059
15°	2966	3018	3080
20°	2922	3003	3093
25°	2876	2983	3091
30°	2814	2941	3073
35°	2743	2888	3032
40°	2657	2817	2961
45°	2573	2723	2872
50°	2462	2620	2758
55°	2338	2471	2604
60°	2183	2302	2437
65°	1992	2083	2202
70°	1744	1818	1893
75°	1488	1520	1586
80°	1193	1218	1243
85°	874	824	778



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	106.6	3.6
10°-20°	305.8	10.3
20°-30°	462.4	15.6
30°-40°	549.2	18.5
40°-50°	551.4	18.6
50°-60°	471.0	15.9
60°-70°	324.5	11.0
70°-80°	157.3	5.3
80°-90°	34.4	1.2
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°	874.8	29.5
0°-40°	1424.0	48.1
0°-60°	2446.3	82.6
0°-90°	2962.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2962.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1126	1126	1126	1126	1126	
5°	1116	1116	1121	1124	1127	106
15°	1064	1069	1083	1098	1105	300
25°	969	976	1005	1032	1041	446
35°	835	848	879	912	923	522
45°	676	686	715	745	755	520
55°	498	506	527	549	555	446
65°	313	313	327	341	346	310
75°	143	140	146	149	152	154
85°	28	28	27	25	25	34
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1125.8	1125.8	1125.8	1125.8	<i>1125.8</i>
2.5°	<i>1121.1</i>	<i>1121.1</i>	<i>1122.7</i>	<i>1127.4</i>	<i>1129.0</i>
5°	1116.4	1116.4	1121.1	1124.2	<i>1127.4</i>
7.5°	1108.5	1110.1	1114.8	1121.1	<i>1122.7</i>
10°	1097.5	1099.1	1106.9	1114.8	<i>1119.5</i>
12.5°	1083.4	1086.5	1095.9	1108.5	<i>1113.2</i>
15°	1064.5	1069.2	1083.4	1097.5	<i>1105.4</i>
17.5°	1044.0	1050.3	1066.1	1086.5	<i>1094.4</i>
20°	1020.5	1028.3	1048.8	1070.8	<i>1080.2</i>
22.5°	996.9	1003.2	1026.8	1051.9	<i>1062.9</i>
25°	968.6	976.4	1004.7	1031.5	<i>1040.9</i>
27.5°	937.1	948.1	978.0	1006.3	<i>1015.7</i>
30°	905.7	915.1	946.6	978.0	<i>989.0</i>
32.5°	871.1	880.5	915.1	946.6	<i>959.1</i>
35°	834.9	847.5	879.0	912.0	<i>923.0</i>
37.5°	795.6	809.8	842.8	871.1	<i>885.2</i>
40°	756.3	768.9	801.9	831.8	<i>842.8</i>
42.5°	717.0	728.0	759.5	790.9	<i>800.3</i>
45°	676.1	685.6	715.4	745.3	<i>754.7</i>
47.5°	632.1	643.1	671.4	696.6	<i>707.6</i>
50°	588.1	599.1	625.8	649.4	<i>658.8</i>
52.5°	545.6	551.9	577.1	599.1	<i>610.1</i>
55°	498.4	506.3	526.7	548.8	<i>555.0</i>
57.5°	452.8	457.6	478.0	496.9	<i>506.3</i>
60°	405.7	408.8	427.7	441.8	<i>452.8</i>
62.5°	361.6	361.6	375.8	391.5	<i>397.8</i>
65°	312.9	312.9	327.1	341.2	<i>345.9</i>
67.5°	265.7	268.9	278.3	289.3	<i>292.5</i>
70°	221.7	221.7	231.1	239.0	<i>240.6</i>
72.5°	182.4	180.8	185.5	191.8	<i>195.0</i>
75°	143.1	139.9	146.2	149.4	<i>152.5</i>
77.5°	108.5	106.9	110.1	113.2	<i>113.2</i>
80°	77.0	75.5	78.6	78.6	<i>80.2</i>
82.5°	50.3	51.9	51.9	50.3	<i>48.7</i>
85°	28.3	28.3	26.7	25.2	<i>25.2</i>
87.5°	9.4	9.4	9.4	11.0	<i>11.0</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>

(END OF REPORT)