

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: P258475

Luminaire Tested: **D3X-WG-80L935-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258475  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-80L935-LD5-UNV-24-T1-STD  
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH RECTANGULAR PERF  
Light Source: (252) 3500 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6345.0 lumens  
Efficiency: N/A  
Efficacy: 94.1 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

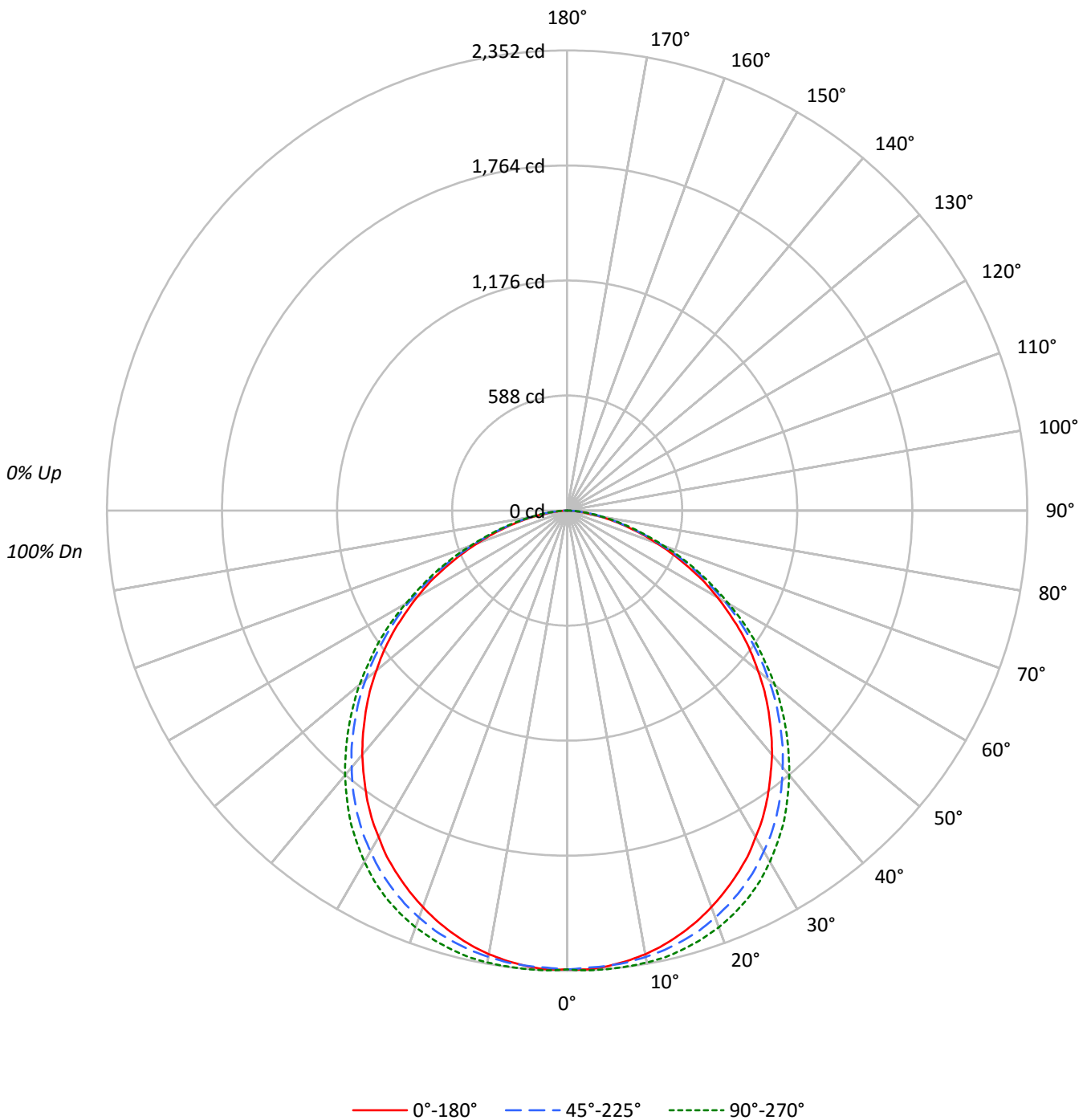
Input Watts (W): 67.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
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	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	26

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

	0°	45°	90°
0°	3156	3156	3156
5°	3159	3156	3177
10°	3146	3164	3205
15°	3122	3172	3229
20°	3088	3170	3245
25°	3047	3155	3246
30°	2994	3125	3221
35°	2934	3080	3177
40°	2862	3010	3102
45°	2772	2924	3010
50°	2664	2817	2902
55°	2548	2677	2762
60°	2385	2508	2569
65°	2178	2294	2352
70°	1913	2012	2065
75°	1619	1701	1761
80°	1285	1409	1444
85°	877	1053	1017



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	222.9	3.5
10°-20°	643.5	10.1
20°-30°	977.8	15.4
30°-40°	1166.8	18.4
40°-50°	1178.4	18.6
50°-60°	1015.3	16.0
60°-70°	707.8	11.2
70°-80°	350.7	5.5
80°-90°	81.8	1.3
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°	1844.2	29.1
0°-40°	3011.0	47.5
0°-60°	5204.7	82.0
0°-90°	6345.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6345.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2346	2346	2346	2346	2346	
5°	2339	2336	2336	2348	2352	222
15°	2241	2252	2277	2307	2318	632
25°	2052	2080	2125	2168	2186	945
35°	1786	1816	1875	1918	1934	1117
45°	1457	1489	1536	1573	1582	1123
55°	1086	1109	1141	1168	1177	968
65°	684	698	720	727	739	679
75°	311	316	327	334	339	336
85°	57	68	68	64	66	73
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2345.6	2345.6	2345.6	2345.6	2345.6
2.5°	2347.9	2343.4	2338.8	2347.9	2352.5
5°	2338.8	2336.5	2336.5	2347.9	2352.5
7.5°	2322.9	2322.9	2329.7	2345.6	2350.2
10°	2302.5	2307.0	2316.1	2338.8	2345.6
12.5°	2275.2	2284.3	2300.2	2327.5	2336.5
15°	2241.1	2252.4	2277.4	2307.0	2318.4
17.5°	2202.4	2218.4	2250.2	2284.3	2295.6
20°	2157.0	2177.4	2213.8	2252.4	2266.1
22.5°	2107.0	2132.0	2172.9	2213.8	2229.7
25°	2052.4	2079.7	2125.2	2168.3	2186.5
27.5°	1995.6	2022.9	2072.9	2116.1	2134.3
30°	1927.4	1959.2	2011.5	2057.0	2072.9
32.5°	1861.5	1893.3	1947.9	1988.8	2004.7
35°	1786.5	1816.0	1875.1	1918.3	1934.2
37.5°	1706.9	1741.0	1797.9	1836.5	1850.1
40°	1629.7	1659.2	1713.8	1752.4	1766.0
42.5°	1543.3	1575.1	1629.7	1663.8	1675.1
45°	1456.9	1488.8	1536.5	1572.8	1581.9
47.5°	1368.3	1397.8	1445.6	1475.1	1484.2
50°	1272.8	1300.1	1345.6	1375.1	1386.5
52.5°	1181.9	1206.9	1245.6	1270.6	1277.4
55°	1086.4	1109.2	1141.0	1168.3	1177.4
57.5°	984.2	1009.2	1038.7	1061.4	1068.3
60°	886.4	906.9	931.9	952.3	954.6
62.5°	791.0	800.1	822.8	841.0	843.2
65°	684.1	697.8	720.5	727.3	738.7
67.5°	586.4	595.5	613.7	622.8	631.9
70°	486.4	493.2	511.4	522.8	525.0
72.5°	400.0	402.3	415.9	425.0	427.3
75°	311.4	315.9	327.3	334.1	338.7
77.5°	236.4	240.9	250.0	254.6	254.6
80°	165.9	172.7	181.8	184.1	186.4
82.5°	106.8	115.9	122.7	125.0	120.5
85°	56.8	68.2	68.2	63.6	65.9
87.5°	20.5	25.0	27.3	29.5	29.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)