

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: P258476

Luminaire Tested: **D3X-WG-80L940-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258476  
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-80L940-LD5-UNV-24-T1-STD  
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH RECTANGULAR PERF  
Light Source: (252) 4000 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6509.6 lumens  
Efficiency: N/A  
Efficacy: 96.6 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

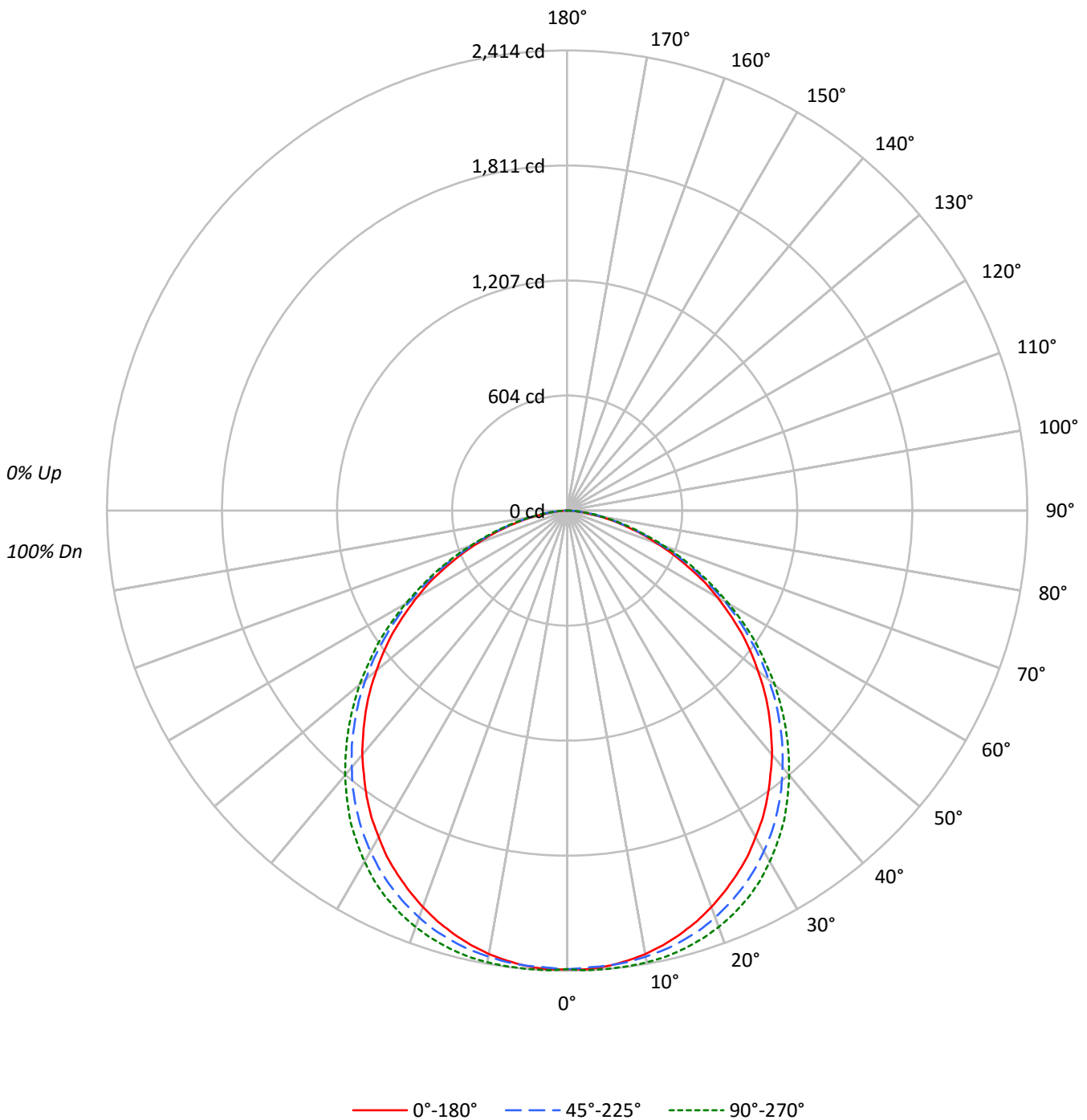
Input Watts (W): 67.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3238	3238	3238
5°	3241	3238	3260
10°	3227	3246	3288
15°	3203	3255	3313
20°	3169	3252	3329
25°	3126	3237	3330
30°	3072	3206	3304
35°	3010	3160	3259
40°	2937	3088	3182
45°	2844	2999	3088
50°	2733	2889	2977
55°	2615	2746	2833
60°	2447	2573	2636
65°	2235	2353	2413
70°	1963	2064	2119
75°	1661	1746	1806
80°	1319	1445	1481
85°	900	1081	1044



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	228.7	3.5
10°-20°	660.1	10.1
20°-30°	1003.2	15.4
30°-40°	1197.1	18.4
40°-50°	1209.0	18.6
50°-60°	1041.6	16.0
60°-70°	726.1	11.2
70°-80°	359.9	5.5
80°-90°	83.9	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°	1892.0	29.1
0°-40°	3089.1	47.5
0°-60°	5339.7	82.0
0°-90°	6509.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6509.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2406	2406	2406	2406	2406	
5°	2400	2397	2397	2409	2414	228
15°	2299	2311	2336	2367	2378	648
25°	2106	2134	2180	2225	2243	970
35°	1833	1863	1924	1968	1984	1146
45°	1495	1527	1576	1614	1623	1152
55°	1115	1138	1171	1199	1208	993
65°	702	716	739	746	758	697
75°	320	324	336	343	347	344
85°	58	70	70	65	68	75
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2406.5	2406.5	2406.5	2406.5	2406.5
2.5°	2408.8	2404.1	2399.5	2408.8	2413.5
5°	2399.5	2397.1	2397.1	2408.8	2413.5
7.5°	2383.1	2383.1	2390.1	2406.5	2411.1
10°	2362.2	2366.8	2376.1	2399.5	2406.5
12.5°	2334.2	2343.5	2359.8	2387.8	2397.1
15°	2299.2	2310.9	2336.5	2366.8	2378.5
17.5°	2259.6	2275.9	2308.5	2343.5	2355.2
20°	2212.9	2233.9	2271.2	2310.9	2324.8
22.5°	2161.6	2187.3	2229.2	2271.2	2287.5
25°	2105.6	2133.6	2180.3	2224.6	2243.2
27.5°	2047.4	2075.3	2126.6	2170.9	2189.6
30°	1977.4	2010.0	2063.7	2110.3	2126.6
32.5°	1909.8	1942.4	1998.4	2040.4	2056.7
35°	1832.8	1863.1	1923.8	1968.1	1984.4
37.5°	1751.2	1786.2	1844.5	1884.1	1898.1
40°	1671.9	1702.2	1758.2	1797.8	1811.8
42.5°	1583.3	1616.0	1671.9	1706.9	1718.6
45°	1494.7	1527.4	1576.3	1613.6	1623.0
47.5°	1403.8	1434.1	1483.0	1513.4	1522.7
50°	1305.8	1333.8	1380.4	1410.8	1422.4
52.5°	1212.6	1238.2	1277.8	1303.5	1310.5
55°	1114.6	1137.9	1170.6	1198.6	1207.9
57.5°	1009.7	1035.3	1065.6	1089.0	1096.0
60°	909.4	930.4	956.1	977.0	979.4
62.5°	811.5	820.8	844.1	862.8	865.1
65°	701.9	715.9	739.2	746.2	757.8
67.5°	601.6	610.9	629.6	638.9	648.3
70°	499.0	506.0	524.7	536.3	538.7
72.5°	410.4	412.7	426.7	436.1	438.4
75°	319.5	324.1	335.8	342.8	347.4
77.5°	242.5	247.2	256.5	261.2	261.2
80°	170.2	177.2	186.5	188.9	191.2
82.5°	109.6	118.9	125.9	128.3	123.6
85°	58.3	70.0	70.0	65.3	67.6
87.5°	21.0	25.7	28.0	30.3	30.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)