

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: P258474

Luminaire Tested: **D3X-WG-80L930-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258474
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-80L930-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (252) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6117.7 lumens
Efficiency: N/A
Efficacy: 90.8 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

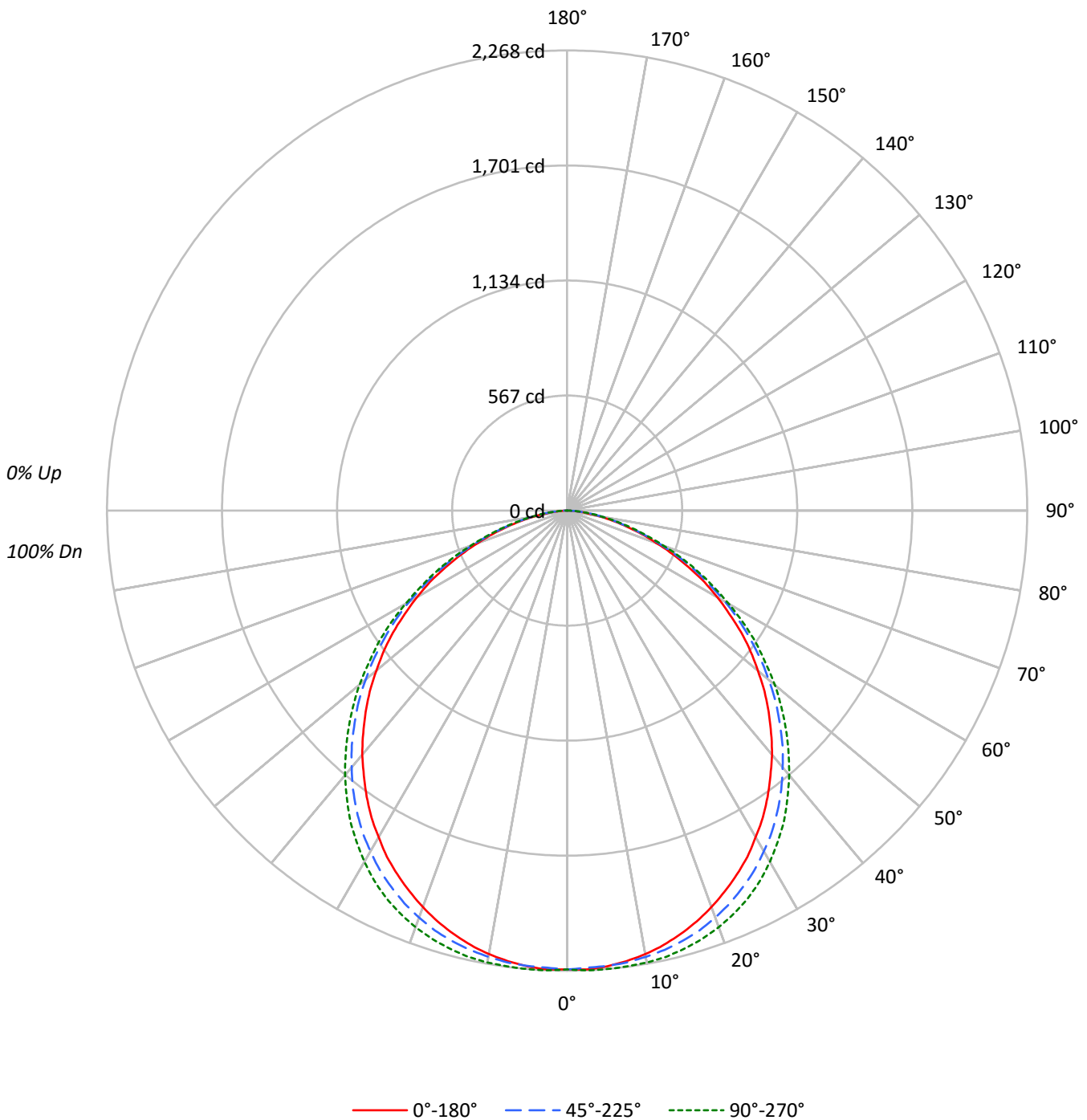
Input Watts (W): 67.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3043	3043	3043
5°	3046	3043	3063
10°	3033	3051	3090
15°	3010	3059	3114
20°	2978	3056	3128
25°	2938	3042	3130
30°	2887	3013	3105
35°	2829	2970	3063
40°	2760	2902	2991
45°	2673	2819	2902
50°	2569	2716	2798
55°	2457	2581	2663
60°	2300	2418	2477
65°	2100	2212	2267
70°	1845	1940	1991
75°	1561	1641	1697
80°	1240	1358	1392
85°	846	1014	982



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.9	3.5
10°-20°	620.4	10.1
20°-30°	942.8	15.4
30°-40°	1125.0	18.4
40°-50°	1136.2	18.6
50°-60°	978.9	16.0
60°-70°	682.4	11.2
70°-80°	338.2	5.5
80°-90°	78.9	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°	1778.1	29.1
0°-40°	2903.1	47.5
0°-60°	5018.3	82.0
0°-90°	6117.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6117.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2262	2262	2262	2262	2262	
5°	2255	2253	2253	2264	2268	214
15°	2161	2172	2196	2224	2235	609
25°	1979	2005	2049	2091	2108	912
35°	1722	1751	1808	1850	1865	1077
45°	1405	1435	1481	1516	1525	1083
55°	1048	1069	1100	1126	1135	934
65°	660	673	695	701	712	655
75°	300	305	316	322	326	324
85°	55	66	66	61	64	70
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2261.6	2261.6	2261.6	2261.6	2261.6
2.5°	2263.8	2259.4	2255.0	2263.8	2268.2
5°	2255.0	2252.8	2252.8	2263.8	2268.2
7.5°	2239.7	2239.7	2246.3	2261.6	2266.0
10°	2220.0	2224.4	2233.1	2255.0	2261.6
12.5°	2193.7	2202.4	2217.8	2244.1	2252.8
15°	2160.8	2171.8	2195.9	2224.4	2235.3
17.5°	2123.5	2138.9	2169.6	2202.4	2213.4
20°	2079.7	2099.4	2134.5	2171.8	2184.9
22.5°	2031.5	2055.6	2095.1	2134.5	2149.8
25°	1978.9	2005.2	2049.0	2090.7	2108.2
27.5°	1924.1	1950.4	1998.6	2040.3	2057.8
30°	1858.4	1889.1	1939.5	1983.3	1998.6
32.5°	1794.8	1825.5	1878.1	1917.5	1932.9
35°	1722.5	1751.0	1808.0	1849.6	1864.9
37.5°	1645.8	1678.7	1733.5	1770.7	1783.9
40°	1571.3	1599.8	1652.4	1689.6	1702.8
42.5°	1488.0	1518.7	1571.3	1604.2	1615.1
45°	1404.7	1435.4	1481.4	1516.5	1525.3
47.5°	1319.3	1347.8	1393.8	1422.3	1431.0
50°	1227.2	1253.5	1297.4	1325.8	1336.8
52.5°	1139.6	1163.7	1200.9	1225.0	1231.6
55°	1047.5	1069.4	1100.1	1126.4	1135.2
57.5°	948.9	973.0	1001.5	1023.4	1030.0
60°	854.7	874.4	898.5	918.2	920.4
62.5°	762.6	771.4	793.3	810.8	813.0
65°	659.6	672.8	694.7	701.3	712.2
67.5°	565.4	574.2	591.7	600.5	609.2
70°	469.0	475.6	493.1	504.0	506.2
72.5°	385.7	387.9	401.0	409.8	412.0
75°	300.2	304.6	315.6	322.1	326.5
77.5°	227.9	232.3	241.1	245.4	245.4
80°	160.0	166.6	175.3	177.5	179.7
82.5°	103.0	111.8	118.3	120.5	116.1
85°	54.8	65.7	65.7	61.4	63.6
87.5°	19.7	24.1	26.3	28.5	28.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)