

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: P258533

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258533
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-80L930-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE
Light Source: (252) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6505.5 lumens
Efficiency: N/A
Efficacy: 96.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

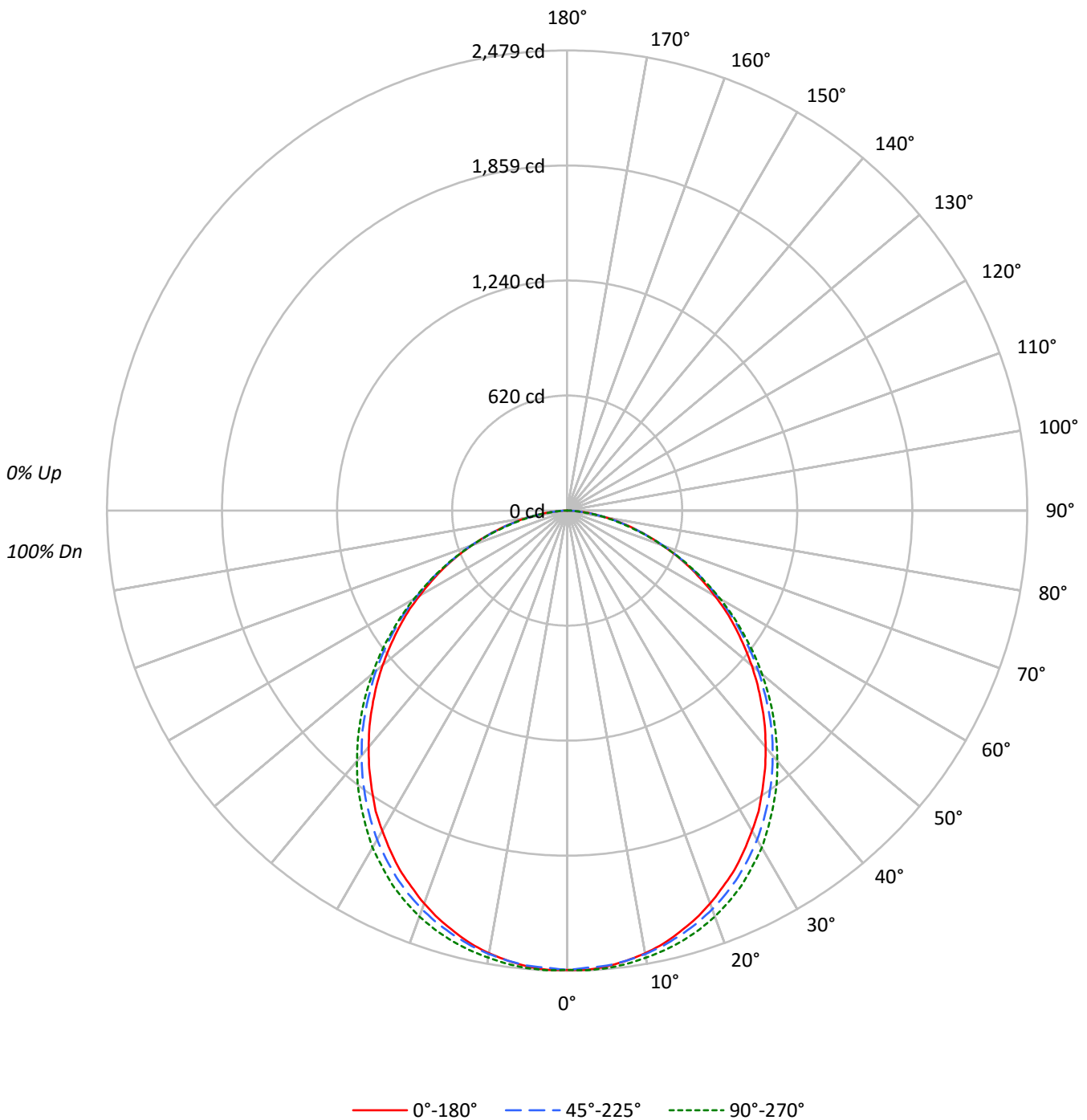
Input Watts (W): 67.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	100	97	107	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	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3329	3329	3329
5°	3330	3324	3342
10°	3309	3315	3341
15°	3272	3297	3343
20°	3226	3273	3332
25°	3169	3234	3305
30°	3095	3180	3258
35°	3013	3110	3182
40°	2921	3025	3095
45°	2823	2927	2990
50°	2716	2817	2867
55°	2601	2684	2725
60°	2471	2536	2565
65°	2330	2365	2379
70°	2138	2164	2138
75°	1926	1914	1857
80°	1630	1613	1562
85°	1218	1184	1048



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	234.3	3.6
10°-20°	669.2	10.3
20°-30°	1003.3	15.4
30°-40°	1181.6	18.2
40°-50°	1181.8	18.2
50°-60°	1019.7	15.7
60°-70°	733.7	11.3
70°-80°	389.2	6.0
80°-90°	92.8	1.4
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°	1906.8	29.3
0°-40°	3088.4	47.5
0°-60°	5289.8	81.3
0°-90°	6505.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6505.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2474	2474	2474	2474	2474	
5°	2465	2463	2461	2470	2474	234
15°	2349	2356	2367	2391	2400	662
25°	2134	2148	2178	2216	2226	982
35°	1834	1856	1893	1926	1937	1148
45°	1484	1503	1538	1565	1571	1144
55°	1109	1120	1144	1164	1162	992
65°	732	734	743	747	747	724
75°	370	366	368	359	357	394
85°	79	79	77	70	68	95
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2474.2	2474.2	2474.2	2474.2	2474.2
2.5°	2476.4	2472.0	2465.4	2474.2	2478.6
5°	2465.4	2463.2	2461.0	2469.8	2474.2
7.5°	2445.7	2447.9	2445.7	2458.8	2463.2
10°	2421.6	2423.8	2426.0	2441.3	2445.7
12.5°	2390.9	2393.1	2399.7	2419.4	2426.0
15°	2349.3	2355.8	2366.8	2390.9	2399.7
17.5°	2305.4	2314.2	2329.5	2358.0	2366.8
20°	2252.8	2263.8	2285.7	2316.4	2327.3
22.5°	2193.7	2204.6	2235.3	2268.2	2279.1
25°	2134.5	2147.6	2178.3	2215.6	2226.5
27.5°	2064.4	2081.9	2114.8	2152.0	2160.8
30°	1992.1	2007.4	2046.8	2081.9	2097.2
32.5°	1919.7	1935.1	1972.3	2007.4	2018.4
35°	1834.3	1856.2	1893.4	1926.3	1937.3
37.5°	1751.0	1770.7	1810.2	1843.0	1854.0
40°	1663.3	1680.9	1722.5	1753.2	1761.9
42.5°	1575.7	1593.2	1634.8	1658.9	1667.7
45°	1483.6	1503.4	1538.4	1564.7	1571.3
47.5°	1391.6	1406.9	1439.8	1463.9	1472.7
50°	1297.4	1312.7	1345.6	1365.3	1369.7
52.5°	1203.1	1214.1	1244.8	1262.3	1268.9
55°	1108.9	1119.8	1144.0	1163.7	1161.5
57.5°	1019.0	1023.4	1047.5	1060.7	1060.7
60°	918.2	922.6	942.3	951.1	953.3
62.5°	824.0	830.6	845.9	848.1	848.1
65°	732.0	734.1	742.9	747.3	747.3
67.5°	639.9	637.7	646.5	646.5	644.3
70°	543.5	547.9	550.1	545.7	543.5
72.5°	455.8	453.6	453.6	451.4	451.4
75°	370.4	366.0	368.2	359.4	357.2
77.5°	291.5	284.9	282.7	278.3	273.9
80°	210.4	210.4	208.2	203.8	201.6
82.5°	140.3	140.3	138.1	133.7	129.3
85°	78.9	78.9	76.7	70.1	67.9
87.5°	26.3	26.3	26.3	26.3	26.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)