

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: P258497

Luminaire Tested: **D3X-WO-45L930-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258497
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-45L930-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: 3671.2 lumens
Efficiency: N/A
Efficacy: 108.0 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

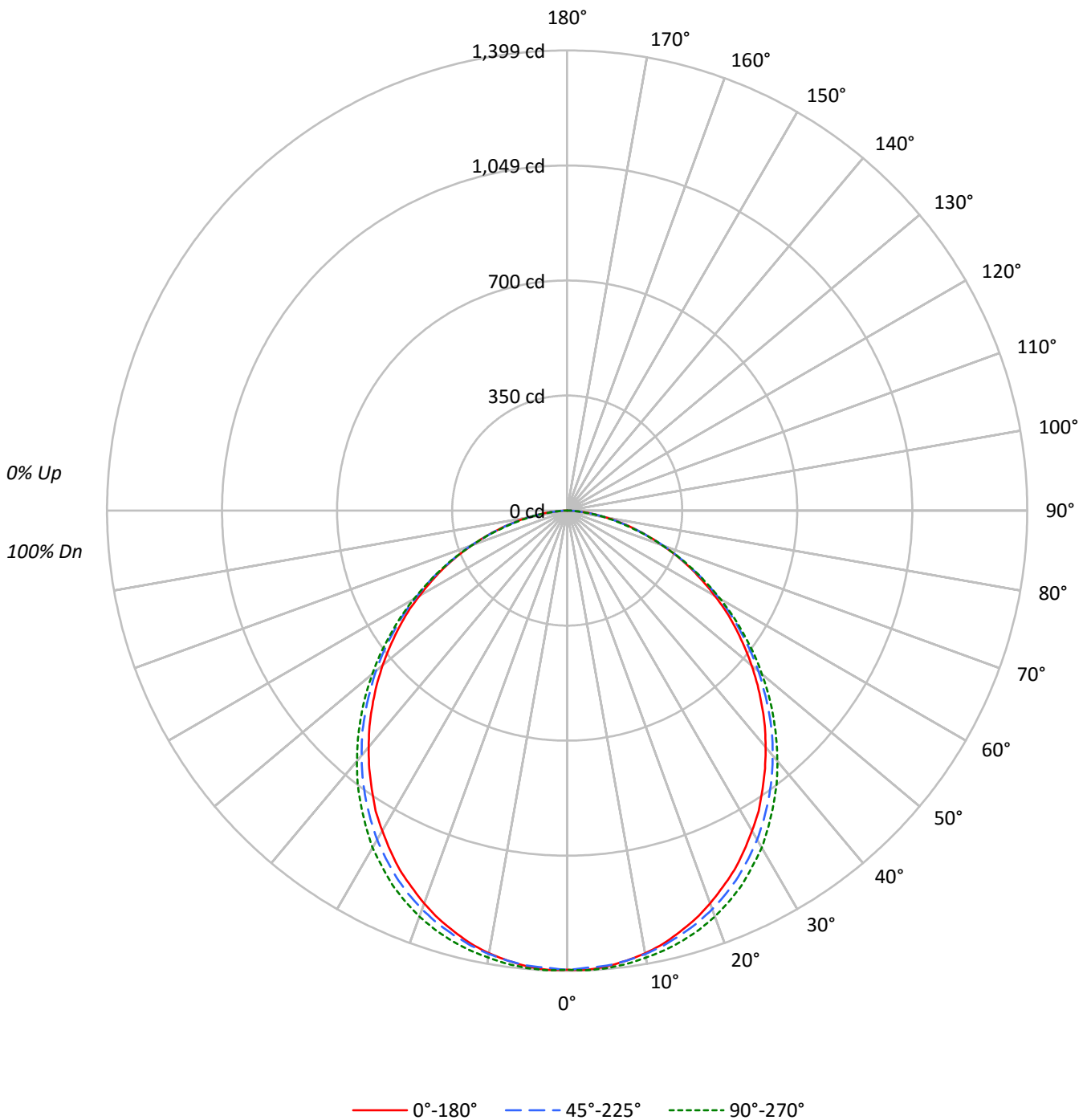
Input Watts (W): 34
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P258497

CATALOG NUMBER: D3X-WO-45L930-LD5-UNV-24-T1-STD

Luminous Intensity Polar Plot





TEST NUMBER: P258497

CATALOG NUMBER: D3X-WO-45L930-LD5-UNV-24-T1-STD

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°	1879	1879	1879
5°	1879	1876	1886
10°	1867	1870	1886
15°	1847	1860	1886
20°	1820	1847	1881
25°	1788	1825	1865
30°	1746	1795	1839
35°	1700	1755	1796
40°	1649	1707	1746
45°	1593	1652	1687
50°	1532	1589	1618
55°	1468	1514	1537
60°	1394	1431	1448
65°	1315	1335	1343
70°	1207	1221	1207
75°	1087	1080	1048
80°	920	910	882
85°	687	668	591



TEST NUMBER: P258497

CATALOG NUMBER: D3X-WO-45L930-LD5-UNV-24-T1-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.2	3.6
10°-20°	377.6	10.3
20°-30°	566.2	15.4
30°-40°	666.8	18.2
40°-50°	666.9	18.2
50°-60°	575.4	15.7
60°-70°	414.1	11.3
70°-80°	219.6	6.0
80°-90°	52.4	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°	1076.0	29.3
0°-40°	1742.8	47.5
0°-60°	2985.1	81.3
0°-90°	3671.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3671.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1396	1396	1396	1396	1396	
5°	1391	1390	1389	1394	1396	132
15°	1326	1329	1336	1349	1354	374
25°	1204	1212	1229	1250	1256	554
35°	1035	1048	1068	1087	1093	648
45°	837	848	868	883	887	646
55°	626	632	646	657	655	560
65°	413	414	419	422	422	409
75°	209	206	208	203	202	222
85°	44	44	43	40	38	54
90°	0	0	0	0	0	



TEST NUMBER: P258497

CATALOG NUMBER: D3X-WO-45L930-LD5-UNV-24-T1-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1396.2	1396.2	1396.2	1396.2	1396.2
2.5°	1397.5	1395.0	1391.3	1396.2	1398.7
5°	1391.3	1390.0	1388.8	1393.7	1396.2
7.5°	1380.1	1381.4	1380.1	1387.6	1390.0
10°	1366.5	1367.8	1369.0	1377.7	1380.1
12.5°	1349.2	1350.5	1354.2	1365.3	1369.0
15°	1325.7	1329.4	1335.6	1349.2	1354.2
17.5°	1301.0	1305.9	1314.6	1330.7	1335.6
20°	1271.3	1277.5	1289.9	1307.2	1313.4
22.5°	1237.9	1244.1	1261.4	1280.0	1286.2
25°	1204.5	1211.9	1229.3	1250.3	1256.5
27.5°	1165.0	1174.8	1193.4	1214.4	1219.4
30°	1124.1	1132.8	1155.1	1174.8	1183.5
32.5°	1083.3	1092.0	1113.0	1132.8	1139.0
35°	1035.1	1047.5	1068.5	1087.0	1093.2
37.5°	988.1	999.2	1021.5	1040.1	1046.2
40°	938.6	948.5	972.0	989.3	994.3
42.5°	889.2	899.1	922.6	936.2	941.1
45°	837.2	848.4	868.2	883.0	886.7
47.5°	785.3	794.0	812.5	826.1	831.1
50°	732.1	740.8	759.3	770.5	772.9
52.5°	678.9	685.1	702.4	712.3	716.0
55°	625.8	631.9	645.5	656.7	655.4
57.5°	575.1	577.5	591.1	598.6	598.6
60°	518.2	520.6	531.8	536.7	538.0
62.5°	465.0	468.7	477.4	478.6	478.6
65°	413.1	414.3	419.2	421.7	421.7
67.5°	361.1	359.9	364.8	364.8	363.6
70°	306.7	309.2	310.4	307.9	306.7
72.5°	257.2	256.0	256.0	254.8	254.8
75°	209.0	206.5	207.8	202.8	201.6
77.5°	164.5	160.8	159.5	157.1	154.6
80°	118.7	118.7	117.5	115.0	113.8
82.5°	79.1	79.1	77.9	75.4	73.0
85°	44.5	44.5	43.3	39.6	38.3
87.5°	14.8	14.8	14.8	14.8	14.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)