

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: P258385

Luminaire Tested: **D3X-WD-50L930-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258385
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-50L930-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH ROUND PERF
Light Source: (252) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3790.2 lumens
Efficiency: N/A
Efficacy: 100.3 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

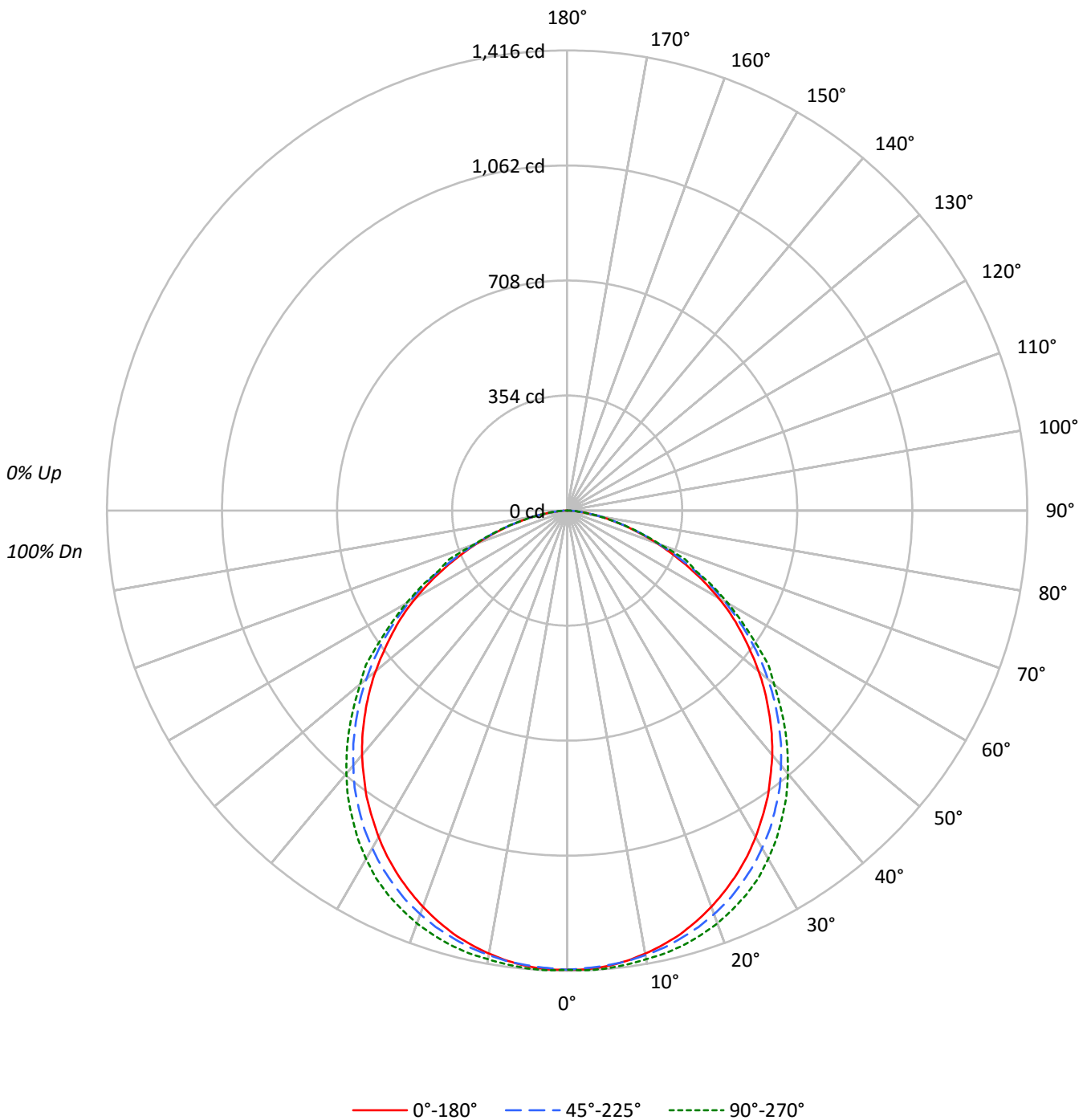
Input Watts (W): 37.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	96	98	95	93	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
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	48	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	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1901	1901	1901
5°	1901	1897	1910
10°	1891	1897	1916
15°	1879	1896	1928
20°	1858	1893	1936
25°	1833	1882	1936
30°	1802	1864	1923
35°	1767	1836	1894
40°	1725	1799	1856
45°	1672	1749	1804
50°	1611	1688	1739
55°	1538	1608	1656
60°	1449	1504	1541
65°	1316	1359	1386
70°	1155	1182	1198
75°	976	990	997
80°	779	790	769
85°	525	546	525



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.9	3.5
10°-20°	385.1	10.2
20°-30°	584.3	15.4
30°-40°	697.5	18.4
40°-50°	706.2	18.6
50°-60°	610.4	16.1
60°-70°	423.1	11.2
70°-80°	204.7	5.4
80°-90°	45.0	1.2
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°	1103.3	29.1
0°-40°	1800.8	47.5
0°-60°	3117.4	82.2
0°-90°	3790.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3790.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1413	1413	1413	1413	1413	
5°	1408	1406	1405	1412	1414	134
15°	1349	1352	1361	1378	1384	380
25°	1235	1243	1268	1293	1304	569
35°	1076	1085	1118	1146	1153	672
45°	878	891	919	942	948	678
55°	656	662	685	714	706	586
65°	413	418	427	434	435	409
75°	188	189	190	189	192	201
85°	34	37	35	34	34	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1413.0	1413.0	1413.0	1413.0	1413.0
2.5°	1413.0	1411.6	1408.9	1413.0	1415.7
5°	1407.5	1406.2	1404.8	1411.6	1414.3
7.5°	1398.0	1398.0	1399.4	1406.2	1408.9
10°	1384.4	1385.8	1388.5	1399.4	1402.1
12.5°	1368.1	1370.8	1377.6	1389.8	1395.3
15°	1349.0	1351.8	1361.3	1377.6	1384.4
17.5°	1324.6	1330.0	1343.6	1362.6	1369.4
20°	1297.4	1304.2	1321.9	1343.6	1351.8
22.5°	1267.5	1274.3	1297.4	1320.5	1328.7
25°	1234.8	1243.0	1267.5	1293.3	1304.2
27.5°	1199.5	1209.0	1236.2	1263.4	1274.3
30°	1160.0	1170.9	1199.5	1228.0	1237.5
32.5°	1117.9	1128.7	1161.4	1188.6	1198.1
35°	1075.7	1085.2	1117.9	1146.4	1153.2
37.5°	1028.1	1039.0	1074.3	1098.8	1108.3
40°	981.9	992.7	1024.0	1048.5	1056.7
42.5°	931.6	942.4	973.7	996.8	1003.6
45°	878.5	890.8	919.3	942.4	947.9
47.5°	825.5	835.0	864.9	885.3	889.4
50°	769.7	779.2	806.4	826.8	830.9
52.5°	711.2	726.2	748.0	762.9	780.6
55°	655.5	662.3	685.4	714.0	705.8
57.5°	599.7	603.8	622.8	635.1	637.8
60°	538.5	544.0	558.9	565.7	572.5
62.5°	474.6	478.7	496.4	503.2	505.9
65°	413.4	417.5	427.0	433.8	435.2
67.5°	350.9	354.9	363.1	368.5	393.0
70°	293.7	296.5	300.5	311.4	304.6
72.5°	239.3	240.7	244.8	244.8	246.1
75°	187.7	189.0	190.4	189.0	191.7
77.5°	140.1	142.8	144.2	142.8	141.4
80°	100.6	103.4	102.0	99.3	99.3
82.5°	65.3	66.6	65.3	63.9	63.9
85°	34.0	36.7	35.4	34.0	34.0
87.5°	12.2	13.6	15.0	16.3	16.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)