

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: P258491

Luminaire Tested: **D3X-WO-42L930-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258491
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-42L930-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: 3397.8 lumens
Efficiency: N/A
Efficacy: 108.9 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

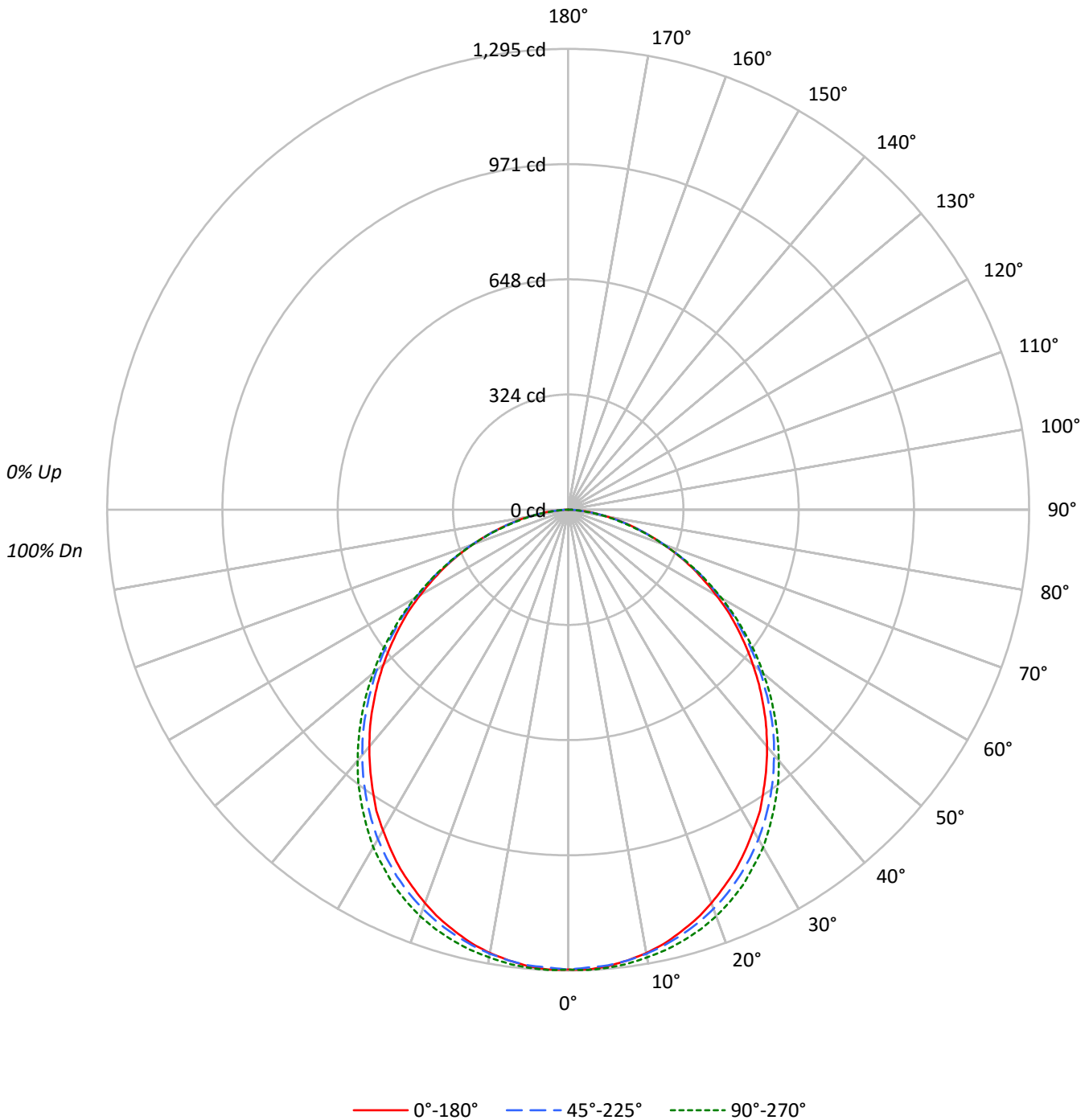
Input Watts (W): 31.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	109	105	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60					60			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52					52			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	41	39					39			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1739	1739	1739
5°	1739	1736	1745
10°	1728	1731	1745
15°	1709	1722	1746
20°	1685	1709	1741
25°	1655	1689	1726
30°	1616	1661	1702
35°	1574	1624	1662
40°	1526	1580	1616
45°	1474	1529	1562
50°	1418	1471	1497
55°	1359	1402	1423
60°	1291	1324	1340
65°	1217	1235	1243
70°	1117	1130	1117
75°	1005	1000	970
80°	852	842	816
85°	636	619	548



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.4	3.6
10°-20°	349.5	10.3
20°-30°	524.0	15.4
30°-40°	617.1	18.2
40°-50°	617.2	18.2
50°-60°	532.6	15.7
60°-70°	383.2	11.3
70°-80°	203.3	6.0
80°-90°	48.5	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°	995.9	29.3
0°-40°	1613.0	47.5
0°-60°	2762.9	81.3
0°-90°	3397.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3397.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1292	1292	1292	1292	1292	
5°	1288	1286	1285	1290	1292	122
15°	1227	1230	1236	1249	1253	346
25°	1115	1122	1138	1157	1163	513
35°	958	970	989	1006	1012	599
45°	775	785	804	817	821	598
55°	579	585	598	608	607	518
65°	382	383	388	390	390	378
75°	193	191	192	188	187	206
85°	41	41	40	37	36	50
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1292.3	1292.3	1292.3	1292.3	1292.3
2.5°	1293.4	1291.1	1287.7	1292.3	1294.6
5°	1287.7	1286.5	1285.4	1290.0	1292.3
7.5°	1277.4	1278.5	1277.4	1284.2	1286.5
10°	1264.8	1265.9	1267.1	1275.1	1277.4
12.5°	1248.8	1249.9	1253.3	1263.6	1267.1
15°	1227.0	1230.5	1236.2	1248.8	1253.3
17.5°	1204.1	1208.7	1216.7	1231.6	1236.2
20°	1176.7	1182.4	1193.8	1209.8	1215.6
22.5°	1145.8	1151.5	1167.5	1184.7	1190.4
25°	1114.8	1121.7	1137.7	1157.2	1162.9
27.5°	1078.2	1087.4	1104.5	1124.0	1128.6
30°	1040.4	1048.5	1069.1	1087.4	1095.4
32.5°	1002.7	1010.7	1030.1	1048.5	1054.2
35°	958.0	969.5	988.9	1006.1	1011.8
37.5°	914.5	924.8	945.4	962.6	968.3
40°	868.8	877.9	899.7	915.7	920.3
42.5°	823.0	832.1	853.9	866.5	871.0
45°	774.9	785.2	803.5	817.2	820.7
47.5°	726.8	734.8	752.0	764.6	769.2
50°	677.6	685.6	702.8	713.1	715.4
52.5°	628.4	634.1	650.1	659.3	662.7
55°	579.2	584.9	597.5	607.8	606.6
57.5°	532.2	534.5	547.1	554.0	554.0
60°	479.6	481.9	492.2	496.8	497.9
62.5°	430.4	433.8	441.8	443.0	443.0
65°	382.3	383.4	388.0	390.3	390.3
67.5°	334.2	333.1	337.7	337.7	336.5
70°	283.9	286.2	287.3	285.0	283.9
72.5°	238.1	236.9	236.9	235.8	235.8
75°	193.4	191.1	192.3	187.7	186.6
77.5°	152.2	148.8	147.7	145.4	143.1
80°	109.9	109.9	108.7	106.4	105.3
82.5°	73.3	73.3	72.1	69.8	67.5
85°	41.2	41.2	40.1	36.6	35.5
87.5°	13.7	13.7	13.7	13.7	13.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)