

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: P258445

Luminaire Tested: **D3X-WG-50L935-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258445  
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-50L935-LD5-UNV-24-T1-STD  
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH RECTANGULAR PERF  
Light Source: (252) 3500 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3937.5 lumens  
Efficiency: N/A  
Efficacy: 104.2 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

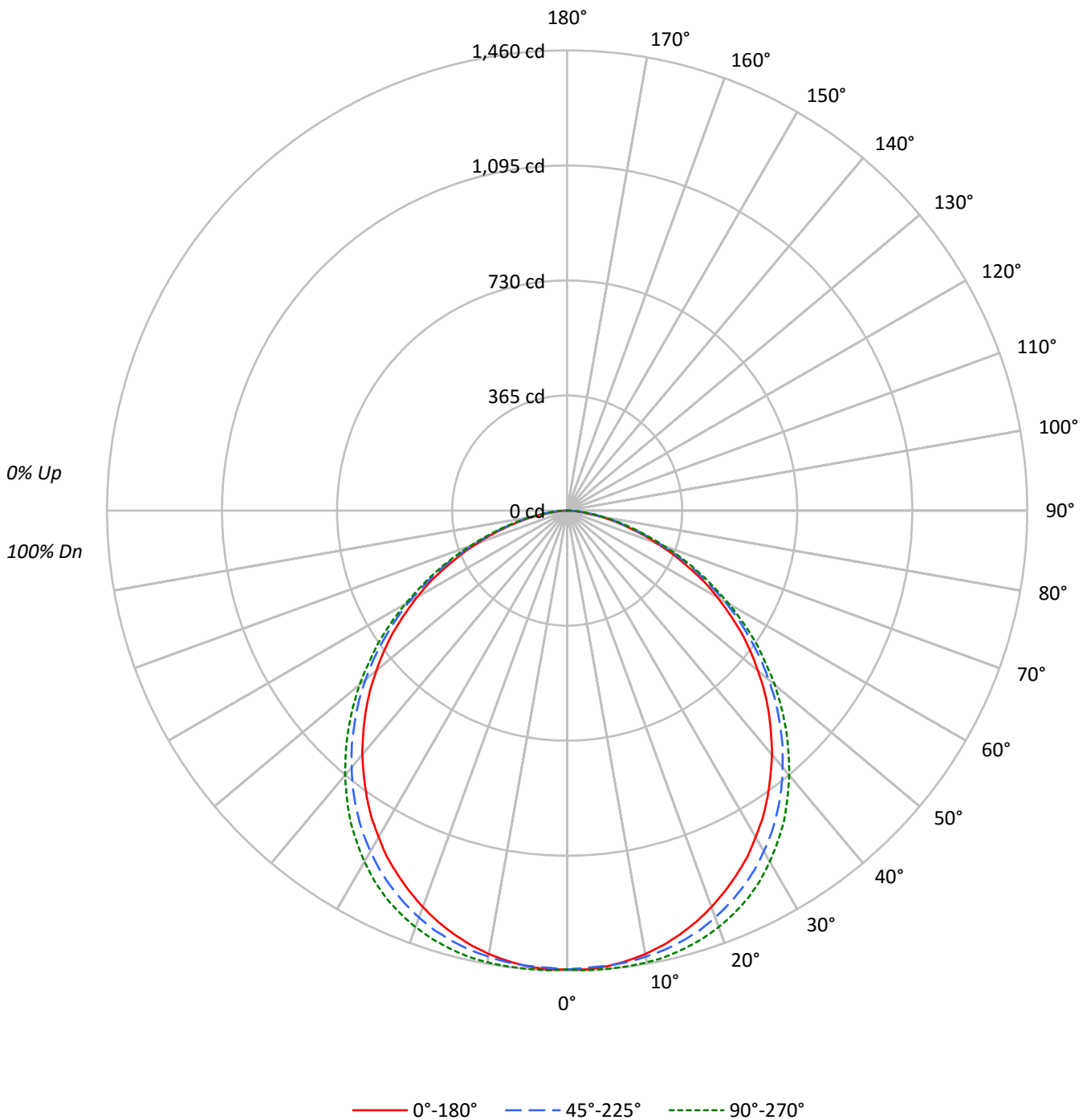
Input Watts (W): 37.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	1958	1958	1958
5°	1960	1958	1972
10°	1952	1964	1989
15°	1937	1969	2004
20°	1917	1967	2013
25°	1891	1958	2014
30°	1858	1939	1998
35°	1821	1911	1972
40°	1776	1868	1925
45°	1720	1814	1868
50°	1653	1748	1801
55°	1582	1661	1714
60°	1480	1556	1594
65°	1351	1423	1459
70°	1187	1249	1282
75°	1004	1056	1093
80°	798	874	896
85°	545	653	631



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	138.3	3.5
10°-20°	399.3	10.1
20°-30°	606.8	15.4
30°-40°	724.1	18.4
40°-50°	731.3	18.6
50°-60°	630.1	16.0
60°-70°	439.2	11.2
70°-80°	217.7	5.5
80°-90°	50.7	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°	1144.4	29.1
0°-40°	1868.5	47.5
0°-60°	3229.8	82.0
0°-90°	3937.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3937.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1456	1456	1456	1456	1456	
5°	1451	1450	1450	1457	1460	138
15°	1391	1398	1413	1432	1439	392
25°	1274	1291	1319	1346	1357	587
35°	1109	1127	1164	1190	1200	693
45°	904	924	954	976	982	697
55°	674	688	708	725	731	601
65°	424	433	447	451	458	422
75°	193	196	203	207	210	208
85°	35	42	42	40	41	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1455.6	1455.6	1455.6	1455.6	1455.6
2.5°	1457.0	1454.2	1451.4	1457.0	1459.8
5°	1451.4	1449.9	1449.9	1457.0	1459.8
7.5°	1441.5	1441.5	1445.7	1455.6	1458.4
10°	1428.8	1431.6	1437.3	1451.4	1455.6
12.5°	1411.9	1417.5	1427.4	1444.3	1449.9
15°	1390.7	1397.8	1413.3	1431.6	1438.7
17.5°	1366.7	1376.6	1396.4	1417.5	1424.6
20°	1338.5	1351.2	1373.8	1397.8	1406.2
22.5°	1307.5	1323.0	1348.4	1373.8	1383.7
25°	1273.6	1290.6	1318.8	1345.6	1356.9
27.5°	1238.4	1255.3	1286.3	1313.1	1324.4
30°	1196.1	1215.8	1248.3	1276.5	1286.3
32.5°	1155.2	1174.9	1208.8	1234.1	1244.0
35°	1108.6	1127.0	1163.6	1190.4	1200.3
37.5°	1059.3	1080.4	1115.7	1139.6	1148.1
40°	1011.3	1029.6	1063.5	1087.5	1095.9
42.5°	957.7	977.4	1011.3	1032.5	1039.5
45°	904.1	923.8	953.5	976.0	981.7
47.5°	849.1	867.4	897.0	915.4	921.0
50°	789.9	806.8	835.0	853.3	860.4
52.5°	733.4	749.0	772.9	788.4	792.7
55°	674.2	688.3	708.0	725.0	730.6
57.5°	610.7	626.2	644.6	658.7	662.9
60°	550.1	562.8	578.3	591.0	592.4
62.5°	490.8	496.5	510.6	521.9	523.3
65°	424.5	433.0	447.1	451.3	458.4
67.5°	363.9	369.5	380.8	386.5	392.1
70°	301.8	306.1	317.4	324.4	325.8
72.5°	248.2	249.7	258.1	263.8	265.2
75°	193.2	196.1	203.1	207.3	210.2
77.5°	146.7	149.5	155.2	158.0	158.0
80°	103.0	107.2	112.8	114.2	115.7
82.5°	66.3	71.9	76.2	77.6	74.8
85°	35.3	42.3	42.3	39.5	40.9
87.5°	12.7	15.5	16.9	18.3	18.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)