

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: P258534

Luminaire Tested: **D3X-WO-80L935-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258534
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-80L935-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE
Light Source: (252) 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6747.3 lumens
Efficiency: N/A
Efficacy: 100.1 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

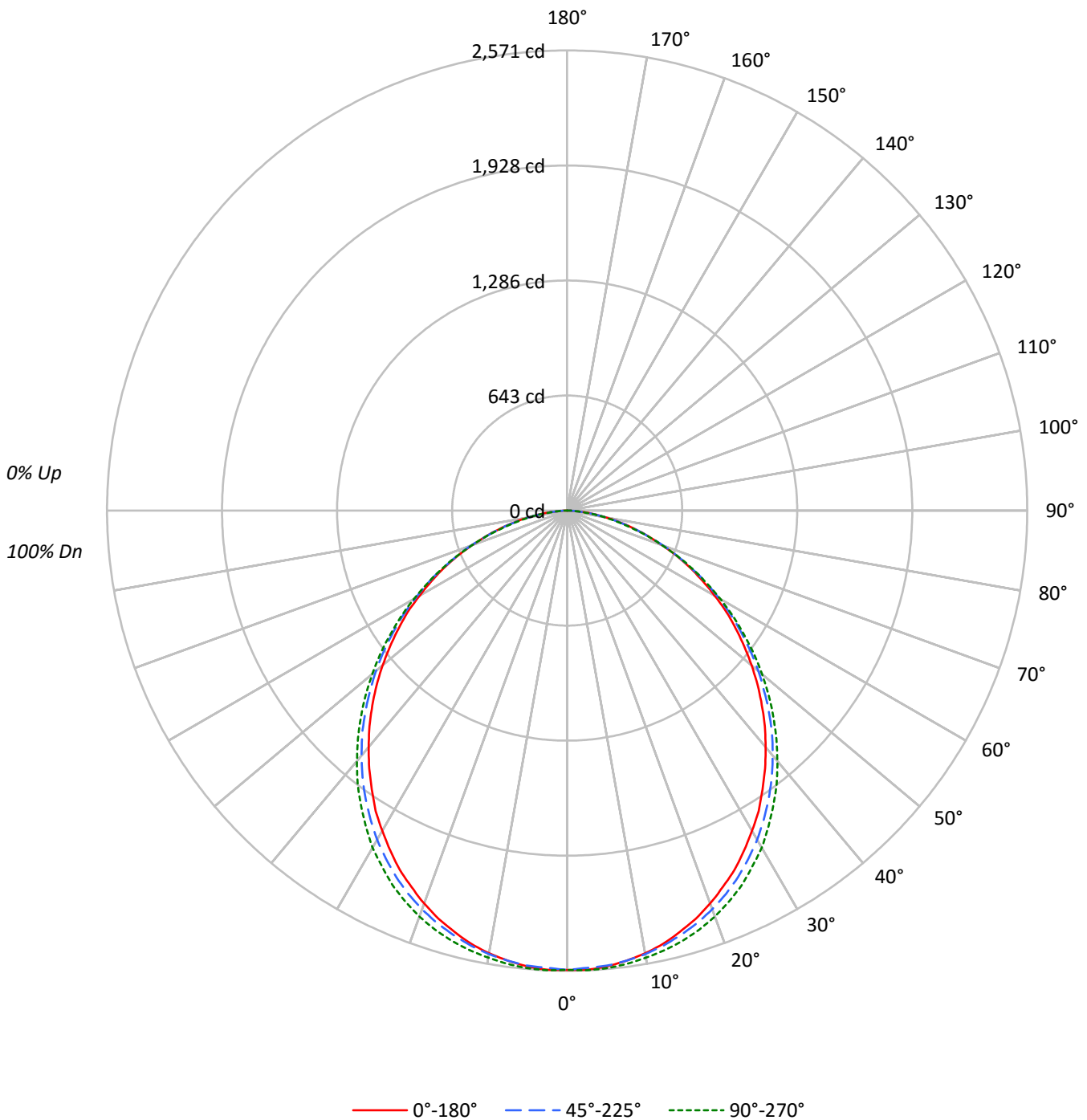
Input Watts (W): 67.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3453	3453	3453
5°	3454	3447	3466
10°	3431	3438	3466
15°	3394	3419	3467
20°	3345	3394	3456
25°	3287	3354	3428
30°	3210	3298	3379
35°	3125	3226	3300
40°	3030	3138	3210
45°	2928	3036	3101
50°	2817	2921	2974
55°	2698	2783	2826
60°	2563	2630	2661
65°	2417	2453	2468
70°	2218	2244	2218
75°	1997	1985	1926
80°	1691	1673	1620
85°	1263	1229	1088



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.0	3.6
10°-20°	694.0	10.3
20°-30°	1040.6	15.4
30°-40°	1225.5	18.2
40°-50°	1225.7	18.2
50°-60°	1057.6	15.7
60°-70°	761.0	11.3
70°-80°	403.7	6.0
80°-90°	96.3	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°	1977.6	29.3
0°-40°	3203.1	47.5
0°-60°	5486.4	81.3
0°-90°	6747.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6747.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2566	2566	2566	2566	2566	
5°	2557	2555	2552	2562	2566	243
15°	2436	2443	2455	2480	2489	687
25°	2214	2227	2259	2298	2309	1018
35°	1902	1925	1964	1998	2009	1190
45°	1539	1559	1596	1623	1630	1187
55°	1150	1162	1186	1207	1205	1029
65°	759	761	770	775	775	751
75°	384	380	382	373	370	409
85°	82	82	80	73	70	99
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2566.1	2566.1	2566.1	2566.1	2566.1
2.5°	2568.4	2563.8	2557.0	2566.1	2570.7
5°	2557.0	2554.7	2552.5	2561.6	2566.1
7.5°	2536.6	2538.8	2536.6	2550.2	2554.7
10°	2511.6	2513.8	2516.1	2532.0	2536.6
12.5°	2479.7	2482.0	2488.8	2509.3	2516.1
15°	2436.5	2443.4	2454.7	2479.7	2488.8
17.5°	2391.1	2400.2	2416.1	2445.6	2454.7
20°	2336.5	2347.9	2370.6	2402.5	2413.8
22.5°	2275.2	2286.5	2318.4	2352.5	2363.8
25°	2213.8	2227.4	2259.3	2297.9	2309.3
27.5°	2141.1	2159.3	2193.3	2232.0	2241.1
30°	2066.1	2082.0	2122.9	2159.3	2175.2
32.5°	1991.1	2007.0	2045.6	2082.0	2093.3
35°	1902.4	1925.1	1963.8	1997.9	2009.2
37.5°	1816.0	1836.5	1877.4	1911.5	1922.9
40°	1725.1	1743.3	1786.5	1818.3	1827.4
42.5°	1634.2	1652.4	1695.6	1720.6	1729.7
45°	1538.8	1559.2	1595.6	1622.9	1629.7
47.5°	1443.3	1459.2	1493.3	1518.3	1527.4
50°	1345.6	1361.5	1395.6	1416.0	1420.6
52.5°	1247.8	1259.2	1291.0	1309.2	1316.0
55°	1150.1	1161.5	1186.5	1206.9	1204.6
57.5°	1056.9	1061.4	1086.4	1100.1	1100.1
60°	952.3	956.9	977.3	986.4	988.7
62.5°	854.6	861.4	877.3	879.6	879.6
65°	759.1	761.4	770.5	775.1	775.1
67.5°	663.7	661.4	670.5	670.5	668.2
70°	563.7	568.2	570.5	566.0	563.7
72.5°	472.8	470.5	470.5	468.2	468.2
75°	384.1	379.6	381.8	372.8	370.5
77.5°	302.3	295.5	293.2	288.7	284.1
80°	218.2	218.2	215.9	211.4	209.1
82.5°	145.5	145.5	143.2	138.6	134.1
85°	81.8	81.8	79.6	72.7	70.5
87.5°	27.3	27.3	27.3	27.3	27.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)