

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: P258524

Luminaire Tested: **D3X-WO-74L830-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258524
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-74L830-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE
Light Source: (252) 3000 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6941.0 lumens
Efficiency: N/A
Efficacy: 112.7 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

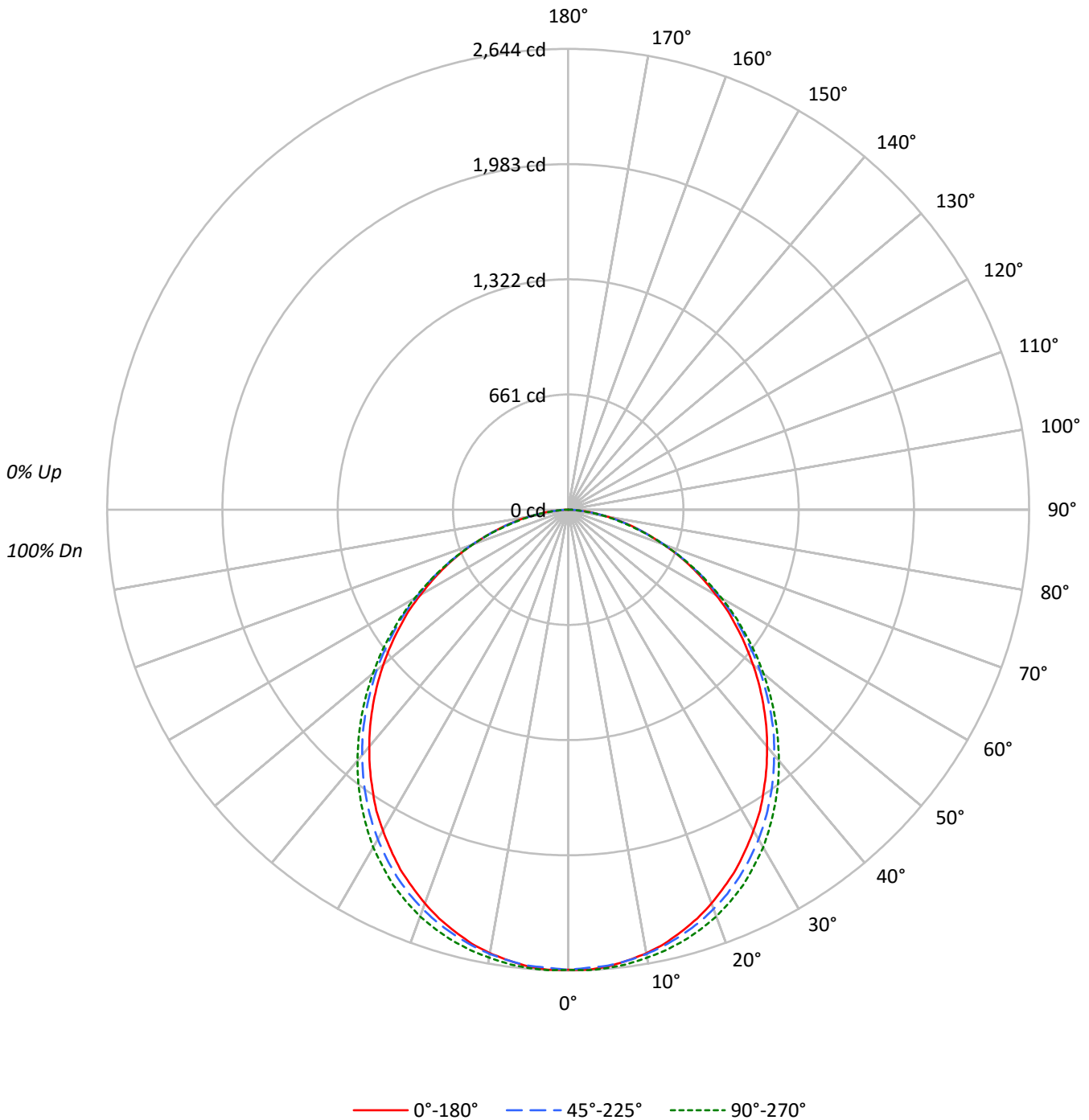
Input Watts (W): 61.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3552	3552	3552
5°	3553	3546	3565
10°	3530	3536	3565
15°	3491	3517	3566
20°	3442	3492	3555
25°	3381	3450	3527
30°	3302	3393	3476
35°	3215	3318	3395
40°	3117	3228	3302
45°	3012	3123	3190
50°	2897	3005	3059
55°	2775	2863	2907
60°	2636	2706	2737
65°	2486	2523	2538
70°	2281	2309	2281
75°	2054	2042	1981
80°	1740	1721	1667
85°	1300	1263	1119



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.9	3.6
10°-20°	714.0	10.3
20°-30°	1070.5	15.4
30°-40°	1260.7	18.2
40°-50°	1260.9	18.2
50°-60°	1087.9	15.7
60°-70°	782.8	11.3
70°-80°	415.2	6.0
80°-90°	99.0	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°	2034.4	29.3
0°-40°	3295.1	47.5
0°-60°	5643.9	81.3
0°-90°	6941.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6941.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2640	2640	2640	2640	2640	
5°	2630	2628	2626	2635	2640	250
15°	2506	2514	2525	2551	2560	707
25°	2277	2291	2324	2364	2376	1048
35°	1957	1980	2020	2055	2067	1224
45°	1583	1604	1641	1670	1676	1221
55°	1183	1195	1220	1242	1239	1059
65°	781	783	793	797	797	772
75°	395	390	393	384	381	420
85°	84	84	82	75	72	102
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2639.8	2639.8	2639.8	2639.8	2639.8
2.5°	2642.1	2637.5	2630.4	2639.8	2644.5
5°	2630.4	2628.1	2625.8	2635.1	2639.8
7.5°	2609.4	2611.7	2609.4	2623.4	2628.1
10°	2583.7	2586.0	2588.4	2604.7	2609.4
12.5°	2550.9	2553.3	2560.3	2581.3	2588.4
15°	2506.5	2513.5	2525.2	2550.9	2560.3
17.5°	2459.8	2469.1	2485.5	2515.9	2525.2
20°	2403.6	2415.3	2438.7	2471.4	2483.1
22.5°	2340.5	2352.2	2384.9	2420.0	2431.7
25°	2277.4	2291.4	2324.1	2363.9	2375.6
27.5°	2202.6	2221.3	2256.3	2296.1	2305.4
30°	2125.4	2141.8	2183.9	2221.3	2237.6
32.5°	2048.2	2064.6	2104.4	2141.8	2153.5
35°	1957.1	1980.4	2020.2	2055.3	2066.9
37.5°	1868.2	1889.2	1931.3	1966.4	1978.1
40°	1774.7	1793.4	1837.8	1870.5	1879.9
42.5°	1681.1	1699.9	1744.3	1770.0	1779.3
45°	1582.9	1604.0	1641.4	1669.5	1676.5
47.5°	1484.7	1501.1	1536.2	1561.9	1571.3
50°	1384.2	1400.6	1435.6	1456.7	1461.4
52.5°	1283.7	1295.3	1328.1	1346.8	1353.8
55°	1183.1	1194.8	1220.5	1241.6	1239.2
57.5°	1087.3	1091.9	1117.6	1131.7	1131.7
60°	979.7	984.4	1005.4	1014.8	1017.1
62.5°	879.2	886.2	902.5	904.9	904.9
65°	780.9	783.3	792.6	797.3	797.3
67.5°	682.7	680.4	689.8	689.8	687.4
70°	579.9	584.5	586.9	582.2	579.9
72.5°	486.3	484.0	484.0	481.7	481.7
75°	395.2	390.5	392.8	383.5	381.1
77.5°	311.0	304.0	301.6	296.9	292.3
80°	224.5	224.5	222.1	217.5	215.1
82.5°	149.6	149.6	147.3	142.6	138.0
85°	84.2	84.2	81.8	74.8	72.5
87.5°	28.1	28.1	28.1	28.1	28.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)