

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: P258526

Luminaire Tested: **D3X-WO-74L840-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258526
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-74L840-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE
Light Source: (252) 4000 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7229.8 lumens
Efficiency: N/A
Efficacy: 117.4 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

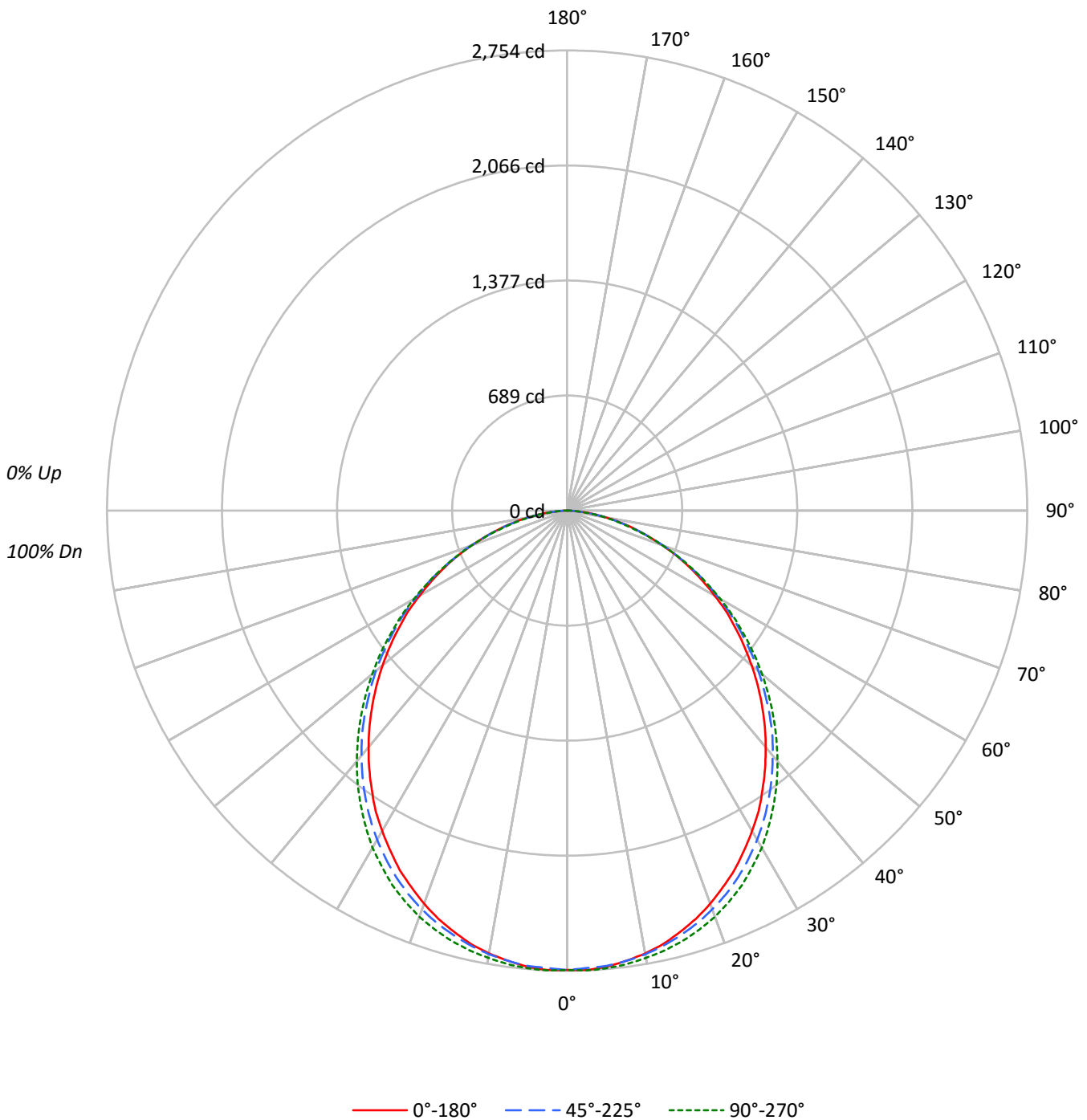
Input Watts (W): 61.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P258526

CATALOG NUMBER: D3X-WO-74L840-LD5-UNV-24-T1-STD

Luminous Intensity Polar Plot





TEST NUMBER: P258526

CATALOG NUMBER: D3X-WO-74L840-LD5-UNV-24-T1-STD

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°	3700	3700	3700
5°	3701	3694	3714
10°	3677	3684	3713
15°	3637	3664	3715
20°	3585	3637	3703
25°	3522	3594	3673
30°	3439	3534	3621
35°	3348	3456	3536
40°	3247	3362	3439
45°	3137	3253	3323
50°	3018	3130	3186
55°	2891	2982	3028
60°	2746	2818	2851
65°	2590	2628	2644
70°	2376	2405	2376
75°	2140	2127	2064
80°	1812	1793	1736
85°	1354	1315	1166



TEST NUMBER: P258526

CATALOG NUMBER: D3X-WO-74L840-LD5-UNV-24-T1-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	260.3	3.6
10°-20°	743.7	10.3
20°-30°	1115.0	15.4
30°-40°	1313.1	18.2
40°-50°	1313.4	18.2
50°-60°	1133.2	15.7
60°-70°	815.4	11.3
70°-80°	432.5	6.0
80°-90°	103.1	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°	2119.1	29.3
0°-40°	3432.2	47.5
0°-60°	5878.8	81.3
0°-90°	7229.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	7229.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2750	2750	2750	2750	2750	
5°	2740	2738	2735	2745	2750	260
15°	2611	2618	2630	2657	2667	736
25°	2372	2387	2421	2462	2474	1091
35°	2038	2063	2104	2141	2153	1275
45°	1649	1671	1710	1739	1746	1272
55°	1232	1244	1271	1293	1291	1103
65°	813	816	826	830	830	805
75°	412	407	409	399	397	438
85°	88	88	85	78	76	106
90°	0	0	0	0	0	



TEST NUMBER: P258526

CATALOG NUMBER: D3X-WO-74L840-LD5-UNV-24-T1-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2749.6	2749.6	2749.6	2749.6	2749.6
2.5°	2752.1	2747.2	2739.9	2749.6	2754.5
5°	2739.9	2737.5	2735.0	2744.8	2749.6
7.5°	2718.0	2720.4	2718.0	2732.6	2737.5
10°	2691.2	2693.6	2696.1	2713.1	2718.0
12.5°	2657.1	2659.5	2666.8	2688.8	2696.1
15°	2610.8	2618.1	2630.3	2657.1	2666.8
17.5°	2562.1	2571.9	2588.9	2620.6	2630.3
20°	2503.7	2515.8	2540.2	2574.3	2586.5
22.5°	2437.9	2450.1	2484.2	2520.7	2532.9
25°	2372.1	2386.8	2420.9	2462.3	2474.4
27.5°	2294.2	2313.7	2350.2	2391.6	2401.4
30°	2213.8	2230.9	2274.7	2313.7	2330.7
32.5°	2133.5	2150.5	2191.9	2230.9	2243.1
35°	2038.5	2062.8	2104.2	2140.8	2153.0
37.5°	1945.9	1967.9	2011.7	2048.2	2060.4
40°	1848.5	1868.0	1914.3	1948.4	1958.1
42.5°	1751.1	1770.6	1816.9	1843.7	1853.4
45°	1648.8	1670.7	1709.7	1738.9	1746.2
47.5°	1546.5	1563.6	1600.1	1626.9	1636.6
50°	1441.8	1458.8	1495.4	1517.3	1522.2
52.5°	1337.1	1349.3	1383.3	1402.8	1410.1
55°	1232.3	1244.5	1271.3	1293.2	1290.8
57.5°	1132.5	1137.4	1164.2	1178.8	1178.8
60°	1020.5	1025.3	1047.3	1057.0	1059.4
62.5°	915.7	923.0	940.1	942.5	942.5
65°	813.4	815.9	825.6	830.5	830.5
67.5°	711.2	708.7	718.5	718.5	716.0
70°	604.0	608.9	611.3	606.4	604.0
72.5°	506.6	504.1	504.1	501.7	501.7
75°	411.6	406.7	409.2	399.4	397.0
77.5°	323.9	316.6	314.2	309.3	304.4
80°	233.8	233.8	231.4	226.5	224.1
82.5°	155.9	155.9	153.4	148.6	143.7
85°	87.7	87.7	85.2	77.9	75.5
87.5°	29.2	29.2	29.2	29.2	29.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)