

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: P258517

Luminaire Tested: **D3X-WO-60L940-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258517
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-60L940-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE
Light Source: (252) 4000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5153.8 lumens
Efficiency: N/A
Efficacy: 108.0 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

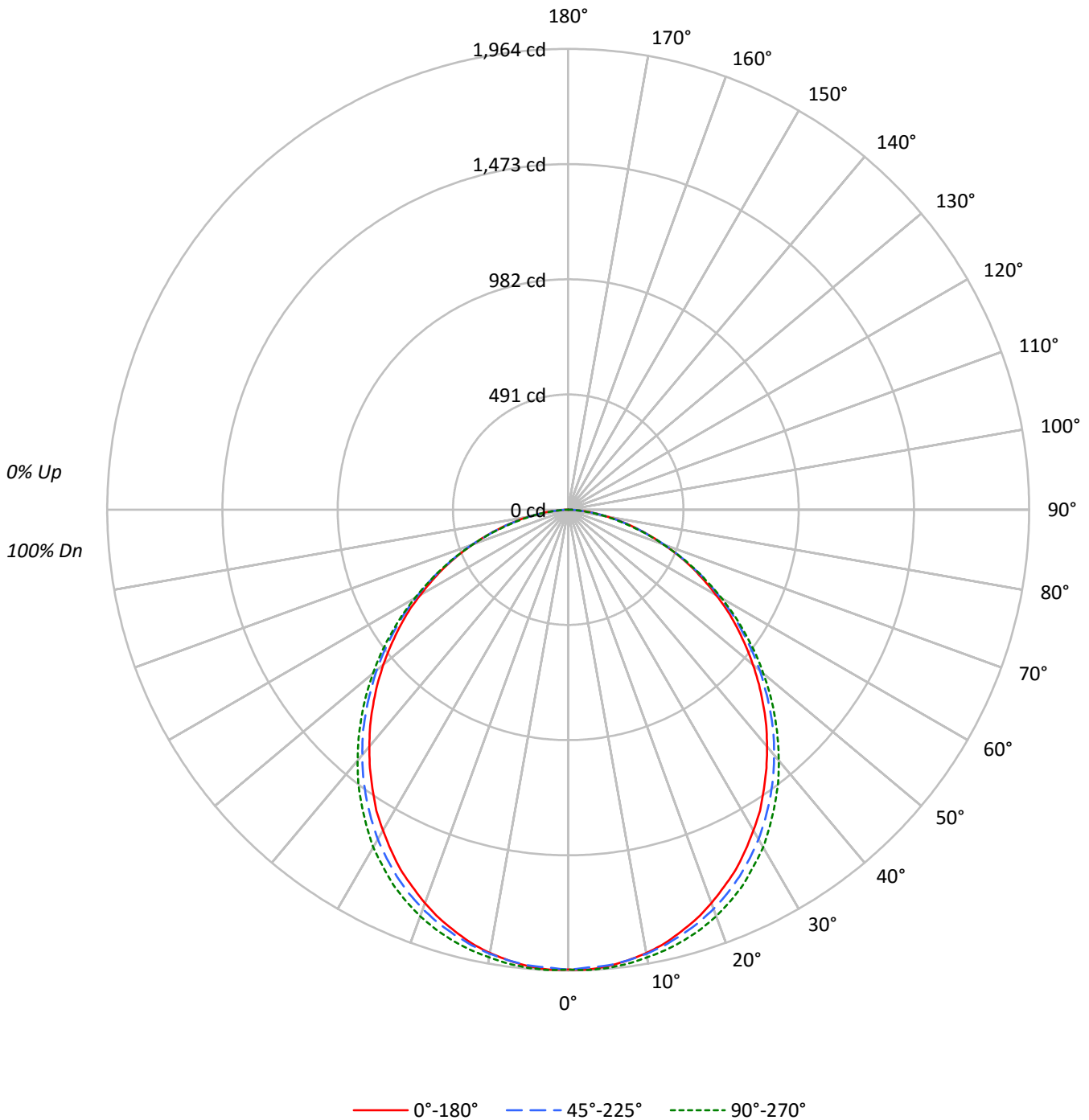
Input Watts (W): 47.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2637	2637	2637
5°	2638	2633	2647
10°	2621	2626	2647
15°	2592	2612	2648
20°	2555	2593	2640
25°	2510	2562	2619
30°	2452	2519	2581
35°	2387	2464	2521
40°	2314	2397	2452
45°	2237	2319	2369
50°	2151	2231	2271
55°	2061	2126	2159
60°	1957	2009	2032
65°	1846	1874	1885
70°	1694	1714	1694
75°	1525	1516	1471
80°	1292	1278	1237
85°	965	939	831



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.6	3.6
10°-20°	530.1	10.3
20°-30°	794.9	15.4
30°-40°	936.1	18.2
40°-50°	936.2	18.2
50°-60°	807.8	15.7
60°-70°	581.3	11.3
70°-80°	308.3	6.0
80°-90°	73.5	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°	1510.6	29.3
0°-40°	2446.7	47.5
0°-60°	4190.7	81.3
0°-90°	5153.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5153.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1960	1960	1960	1960	1960	
5°	1953	1951	1950	1957	1960	185
15°	1861	1866	1875	1894	1901	525
25°	1691	1701	1726	1755	1764	778
35°	1453	1470	1500	1526	1535	909
45°	1175	1191	1219	1240	1245	907
55°	878	887	906	922	920	786
65°	580	582	589	592	592	574
75°	293	290	292	285	283	312
85°	62	62	61	56	54	76
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1960.1	1960.1	1960.1	1960.1	1960.1
2.5°	1961.8	1958.4	1953.2	1960.1	1963.6
5°	1953.2	1951.4	1949.7	1956.6	1960.1
7.5°	1937.5	1939.3	1937.5	1947.9	1951.4
10°	1918.4	1920.2	1921.9	1934.1	1937.5
12.5°	1894.1	1895.9	1901.1	1916.7	1921.9
15°	1861.1	1866.3	1875.0	1894.1	1901.1
17.5°	1826.4	1833.4	1845.5	1868.1	1875.0
20°	1784.7	1793.4	1810.8	1835.1	1843.8
22.5°	1737.9	1746.6	1770.9	1796.9	1805.6
25°	1691.0	1701.4	1725.7	1755.2	1763.9
27.5°	1635.4	1649.3	1675.4	1704.9	1711.8
30°	1578.1	1590.3	1621.6	1649.3	1661.5
32.5°	1520.9	1533.0	1562.5	1590.3	1599.0
35°	1453.1	1470.5	1500.0	1526.1	1534.7
37.5°	1387.2	1402.8	1434.1	1460.1	1468.8
40°	1317.7	1331.6	1364.6	1388.9	1395.9
42.5°	1248.3	1262.2	1295.2	1314.3	1321.2
45°	1175.4	1191.0	1218.8	1239.6	1244.8
47.5°	1102.4	1114.6	1140.6	1159.7	1166.7
50°	1027.8	1039.9	1066.0	1081.6	1085.1
52.5°	953.1	961.8	986.1	1000.0	1005.2
55°	878.5	887.2	906.3	921.9	920.2
57.5°	807.3	810.8	829.9	840.3	840.3
60°	727.4	730.9	746.5	753.5	755.2
62.5°	652.8	658.0	670.1	671.9	671.9
65°	579.9	581.6	588.6	592.0	592.0
67.5°	507.0	505.2	512.2	512.2	510.4
70°	430.6	434.0	435.8	432.3	430.6
72.5°	361.1	359.4	359.4	357.6	357.6
75°	293.4	289.9	291.7	284.7	283.0
77.5°	230.9	225.7	224.0	220.5	217.0
80°	166.7	166.7	164.9	161.5	159.7
82.5°	111.1	111.1	109.4	105.9	102.4
85°	62.5	62.5	60.8	55.6	53.8
87.5°	20.8	20.8	20.8	20.8	20.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)