

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: P258520

Luminaire Tested: **D3X-WO-67L840-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258520
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-67L840-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: 6570.3 lumens
Efficiency: N/A
Efficacy: 121.9 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

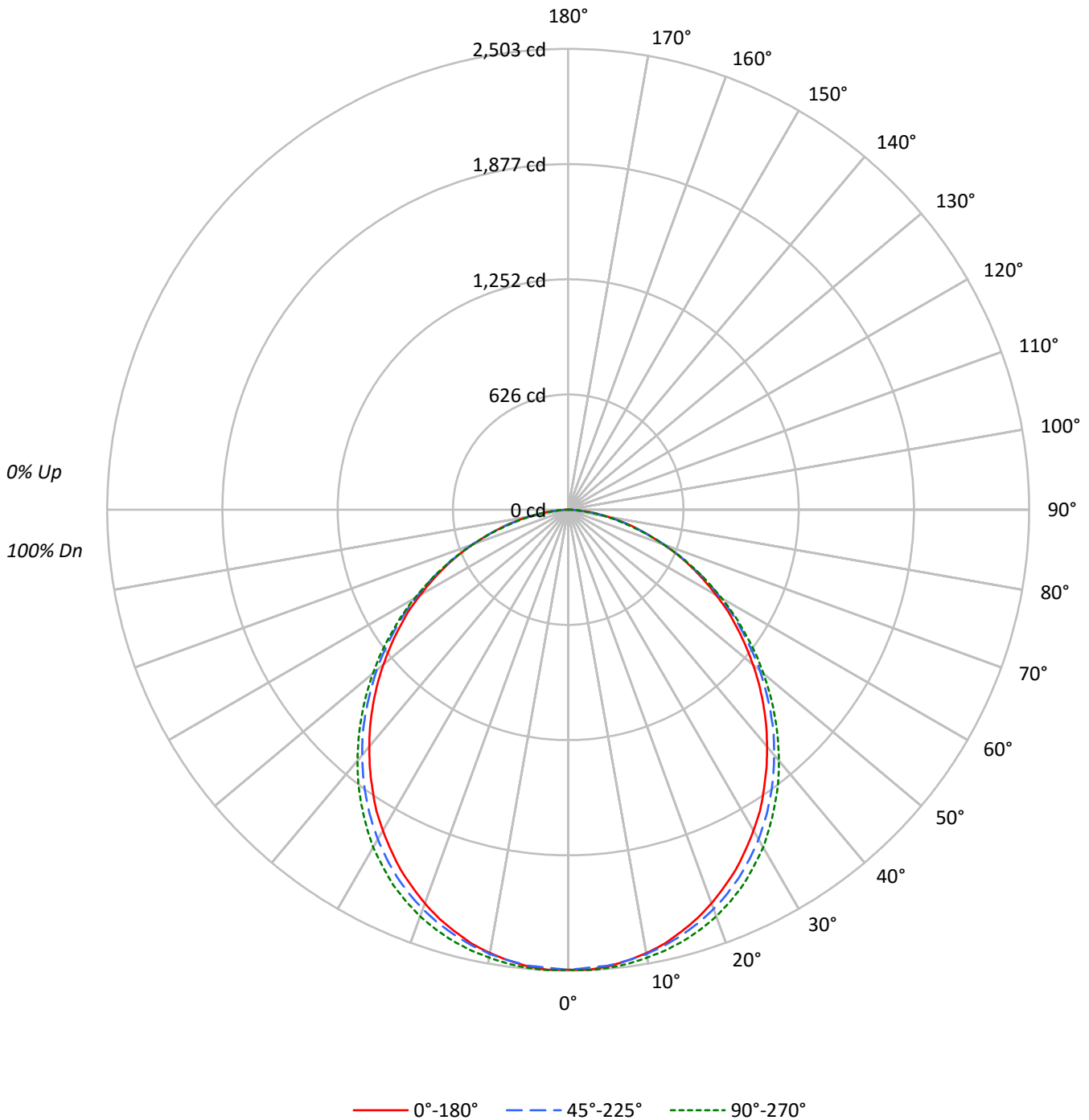
Input Watts (W): 53.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3362	3362	3362
5°	3363	3357	3375
10°	3341	3347	3375
15°	3305	3330	3376
20°	3258	3305	3366
25°	3200	3266	3338
30°	3126	3212	3291
35°	3043	3141	3214
40°	2951	3055	3126
45°	2851	2956	3020
50°	2743	2845	2896
55°	2627	2710	2752
60°	2496	2561	2591
65°	2353	2389	2403
70°	2159	2185	2159
75°	1944	1933	1876
80°	1647	1629	1578
85°	1230	1196	1059



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	236.6	3.6
10°-20°	675.8	10.3
20°-30°	1013.3	15.4
30°-40°	1193.3	18.2
40°-50°	1193.5	18.2
50°-60°	1029.8	15.7
60°-70°	741.0	11.3
70°-80°	393.1	6.0
80°-90°	93.8	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°	1925.7	29.3
0°-40°	3119.1	47.5
0°-60°	5342.5	81.3
0°-90°	6570.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6570.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2499	2499	2499	2499	2499	
5°	2490	2488	2486	2494	2499	236
15°	2373	2379	2390	2415	2424	669
25°	2156	2169	2200	2238	2249	992
35°	1852	1875	1912	1946	1956	1159
45°	1498	1518	1554	1580	1587	1156
55°	1120	1131	1155	1175	1173	1002
65°	739	742	750	755	755	731
75°	374	370	372	363	361	398
85°	80	80	78	71	69	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2498.8	2498.8	2498.8	2498.8	2498.8
2.5°	2501.0	2496.6	2489.9	2498.8	2503.2
5°	2489.9	2487.7	2485.5	2494.4	2498.8
7.5°	2470.0	2472.2	2470.0	2483.3	2487.7
10°	2445.7	2447.9	2450.1	2465.6	2470.0
12.5°	2414.7	2416.9	2423.6	2443.5	2450.1
15°	2372.6	2379.3	2390.4	2414.7	2423.6
17.5°	2328.4	2337.2	2352.7	2381.5	2390.4
20°	2275.3	2286.3	2308.5	2339.4	2350.5
22.5°	2215.5	2226.6	2257.6	2290.8	2301.8
25°	2155.7	2169.0	2200.0	2237.6	2248.7
27.5°	2084.9	2102.6	2135.8	2173.4	2182.3
30°	2011.9	2027.4	2067.2	2102.6	2118.1
32.5°	1938.8	1954.3	1992.0	2027.4	2038.4
35°	1852.5	1874.7	1912.3	1945.5	1956.5
37.5°	1768.4	1788.3	1828.2	1861.4	1872.4
40°	1679.9	1697.6	1739.6	1770.6	1779.5
42.5°	1591.4	1609.1	1651.1	1675.5	1684.3
45°	1498.4	1518.3	1553.7	1580.3	1586.9
47.5°	1405.4	1420.9	1454.1	1478.5	1487.3
50°	1310.3	1325.8	1359.0	1378.9	1383.3
52.5°	1215.1	1226.2	1257.1	1274.9	1281.5
55°	1119.9	1131.0	1155.3	1175.3	1173.0
57.5°	1029.2	1033.6	1058.0	1071.2	1071.2
60°	927.4	931.8	951.7	960.6	962.8
62.5°	832.2	838.8	854.3	856.5	856.5
65°	739.2	741.5	750.3	754.7	754.7
67.5°	646.3	644.1	652.9	652.9	650.7
70°	548.9	553.3	555.5	551.1	548.9
72.5°	460.4	458.2	458.2	455.9	455.9
75°	374.0	369.6	371.8	363.0	360.8
77.5°	294.4	287.7	285.5	281.1	276.7
80°	212.5	212.5	210.3	205.8	203.6
82.5°	141.7	141.7	139.4	135.0	130.6
85°	79.7	79.7	77.5	70.8	68.6
87.5°	26.6	26.6	26.6	26.6	26.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)