

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: P258518

Luminaire Tested: **D3X-WO-67L830-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258518
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-67L830-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: 6307.8 lumens
Efficiency: N/A
Efficacy: 117.0 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

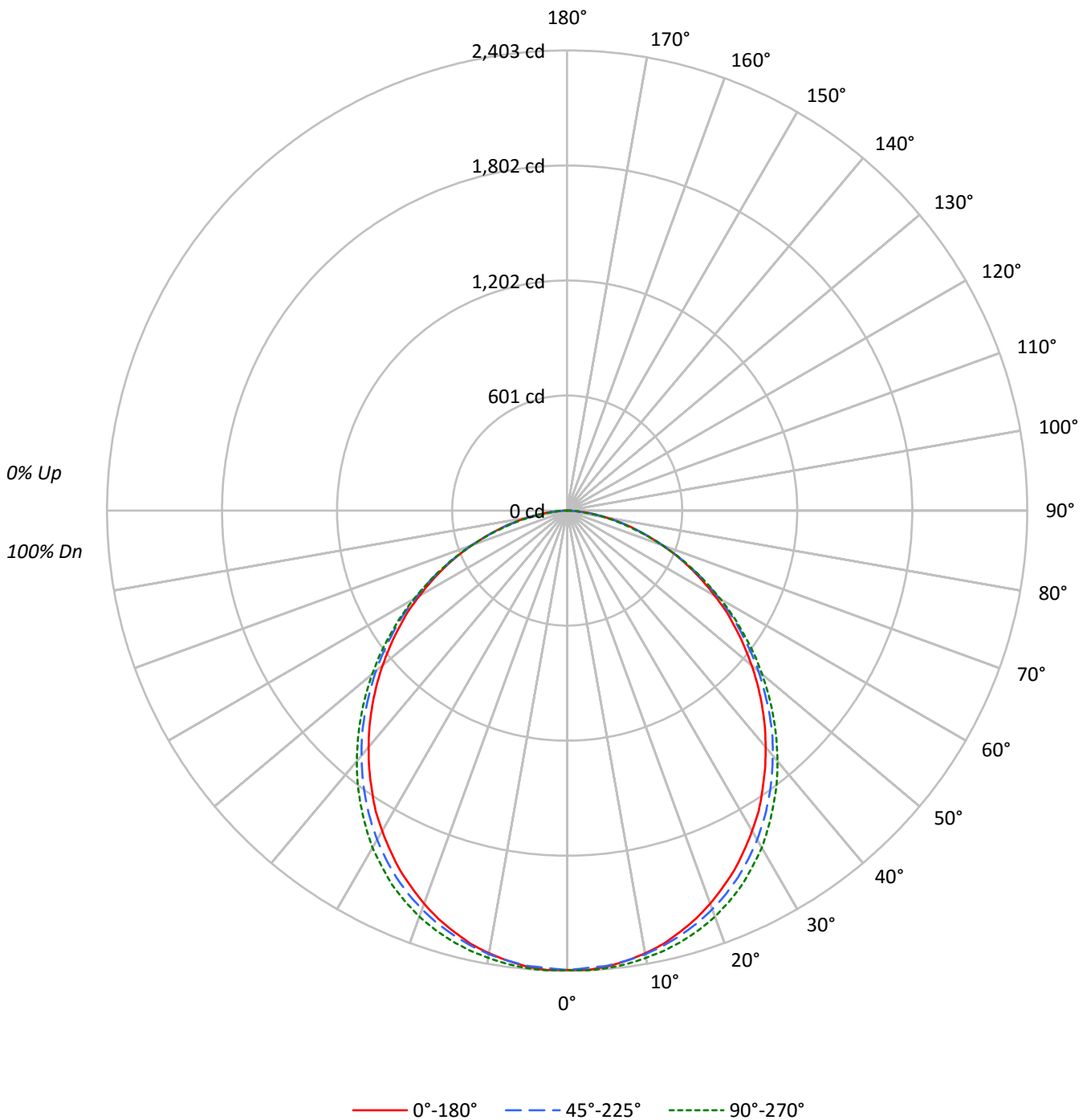
Input Watts (W): 53.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3228	3228	3228
5°	3229	3223	3240
10°	3208	3214	3240
15°	3173	3197	3241
20°	3128	3173	3231
25°	3072	3136	3205
30°	3001	3083	3159
35°	2921	3016	3085
40°	2833	2933	3001
45°	2737	2838	2899
50°	2633	2731	2780
55°	2522	2602	2642
60°	2396	2459	2487
65°	2259	2293	2307
70°	2073	2098	2073
75°	1867	1856	1801
80°	1581	1564	1515
85°	1181	1149	1017



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	227.1	3.6
10°-20°	648.8	10.3
20°-30°	972.8	15.4
30°-40°	1145.7	18.2
40°-50°	1145.9	18.2
50°-60°	988.7	15.7
60°-70°	711.4	11.3
70°-80°	377.4	6.0
80°-90°	90.0	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°	1848.8	29.3
0°-40°	2994.5	47.5
0°-60°	5129.0	81.3
0°-90°	6307.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6307.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2399	2399	2399	2399	2399	
5°	2390	2388	2386	2395	2399	227
15°	2278	2284	2295	2318	2327	642
25°	2070	2082	2112	2148	2159	952
35°	1778	1800	1836	1868	1878	1113
45°	1438	1458	1492	1517	1524	1110
55°	1075	1086	1109	1128	1126	962
65°	710	712	720	725	725	702
75°	359	355	357	348	346	382
85°	76	76	74	68	66	92
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2399.0	2399.0	2399.0	2399.0	2399.0
2.5°	2401.1	2396.9	2390.5	2399.0	2403.2
5°	2390.5	2388.4	2386.2	2394.7	2399.0
7.5°	2371.4	2373.5	2371.4	2384.1	2388.4
10°	2348.0	2350.1	2352.2	2367.1	2371.4
12.5°	2318.2	2320.4	2326.7	2345.9	2352.2
15°	2277.9	2284.2	2294.9	2318.2	2326.7
17.5°	2235.4	2243.9	2258.7	2286.4	2294.9
20°	2184.4	2195.0	2216.2	2246.0	2256.6
22.5°	2127.0	2137.6	2167.4	2199.2	2209.9
25°	2069.6	2082.4	2112.1	2148.2	2158.9
27.5°	2001.6	2018.6	2050.5	2086.6	2095.1
30°	1931.5	1946.4	1984.6	2018.6	2033.5
32.5°	1861.4	1876.3	1912.4	1946.4	1957.0
35°	1778.5	1799.8	1835.9	1867.8	1878.4
37.5°	1697.8	1716.9	1755.1	1787.0	1797.6
40°	1612.8	1629.8	1670.1	1699.9	1708.4
42.5°	1527.8	1544.8	1585.2	1608.5	1617.0
45°	1438.5	1457.7	1491.7	1517.2	1523.5
47.5°	1349.3	1364.2	1396.0	1419.4	1427.9
50°	1257.9	1272.8	1304.7	1323.8	1328.0
52.5°	1166.6	1177.2	1206.9	1223.9	1230.3
55°	1075.2	1085.8	1109.2	1128.3	1126.2
57.5°	988.1	992.3	1015.7	1028.4	1028.4
60°	890.3	894.6	913.7	922.2	924.3
62.5°	799.0	805.3	820.2	822.3	822.3
65°	709.7	711.8	720.3	724.6	724.6
67.5°	620.5	618.3	626.8	626.8	624.7
70°	527.0	531.2	533.3	529.1	527.0
72.5°	442.0	439.8	439.8	437.7	437.7
75°	359.1	354.9	357.0	348.5	346.4
77.5°	282.6	276.2	274.1	269.9	265.6
80°	204.0	204.0	201.9	197.6	195.5
82.5°	136.0	136.0	133.9	129.6	125.4
85°	76.5	76.5	74.4	68.0	65.9
87.5°	25.5	25.5	25.5	25.5	25.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)