

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: P258465

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258465  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-74L830-LD5-UNV-24-T1-STD  
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH RECTANGULAR PERF  
Light Source: (252) 3000 CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6527.3 lumens  
Efficiency: N/A  
Efficacy: 106.0 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

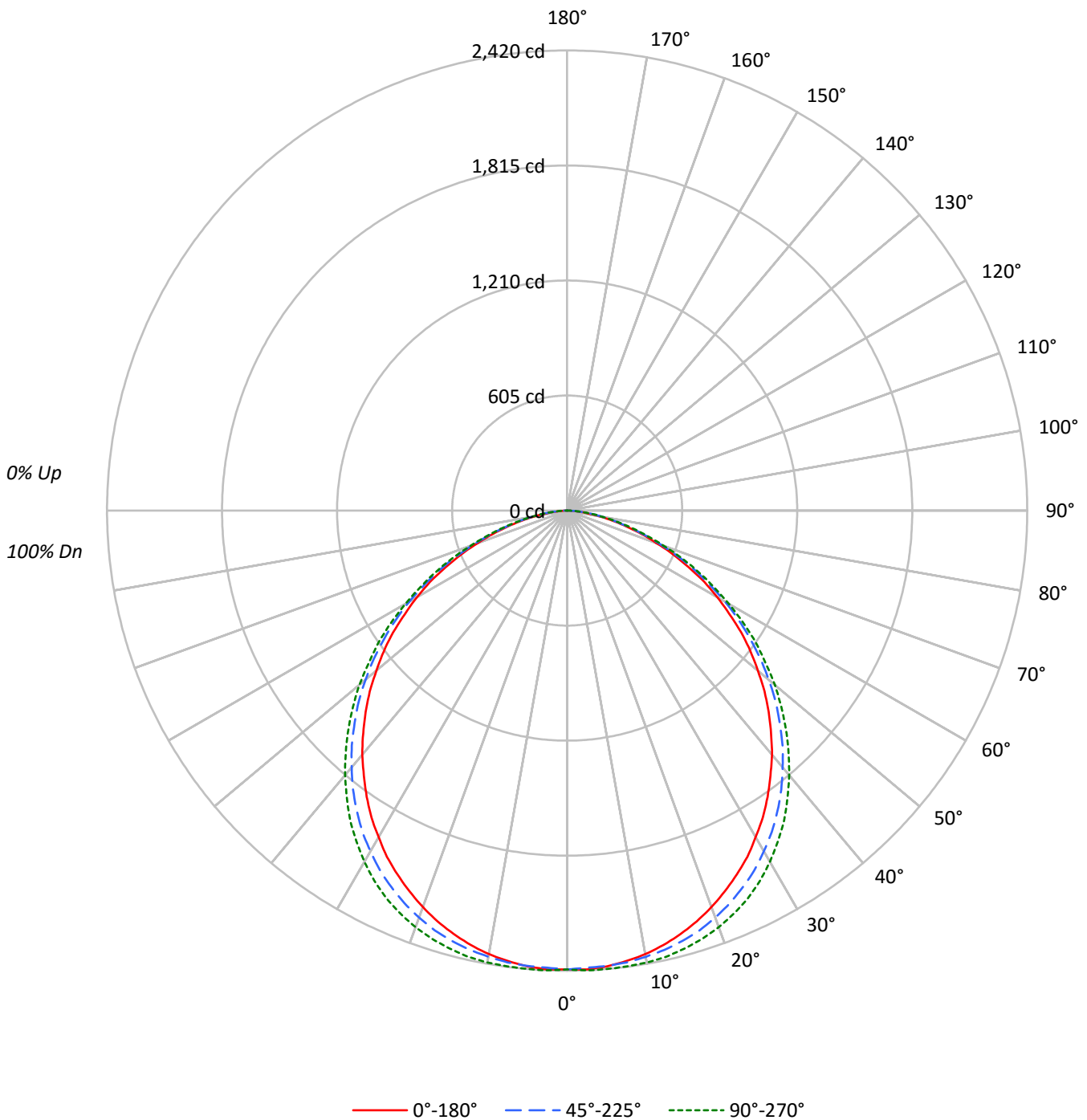
Input Watts (W): 61.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	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	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	42	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	27	38	32	27	37	31	27	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3247	3247	3247
5°	3250	3246	3269
10°	3236	3255	3297
15°	3211	3264	3322
20°	3177	3261	3338
25°	3135	3246	3339
30°	3081	3215	3313
35°	3019	3168	3268
40°	2945	3097	3191
45°	2852	3008	3097
50°	2741	2897	2986
55°	2622	2753	2841
60°	2454	2580	2643
65°	2241	2360	2419
70°	1969	2070	2125
75°	1665	1750	1811
80°	1323	1450	1485
85°	903	1082	1047



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	229.3	3.5
10°-20°	661.9	10.1
20°-30°	1005.9	15.4
30°-40°	1200.3	18.4
40°-50°	1212.3	18.6
50°-60°	1044.5	16.0
60°-70°	728.1	11.2
70°-80°	360.8	5.5
80°-90°	84.1	1.3
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°	1897.1	29.1
0°-40°	3097.4	47.5
0°-60°	5354.2	82.0
0°-90°	6527.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6527.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2413	2413	2413	2413	2413	
5°	2406	2404	2404	2415	2420	228
15°	2305	2317	2343	2373	2385	650
25°	2111	2139	2186	2231	2249	973
35°	1838	1868	1929	1973	1990	1149
45°	1499	1532	1581	1618	1627	1155
55°	1118	1141	1174	1202	1211	996
65°	704	718	741	748	760	699
75°	320	325	337	344	348	345
85°	58	70	70	66	68	75
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2413.0	2413.0	2413.0	2413.0	2413.0
2.5°	2415.3	2410.7	2406.0	2415.3	2420.0
5°	2406.0	2403.6	2403.6	2415.3	2420.0
7.5°	2389.6	2389.6	2396.6	2413.0	2417.7
10°	2368.6	2373.2	2382.6	2406.0	2413.0
12.5°	2340.5	2349.9	2366.2	2394.3	2403.6
15°	2305.4	2317.1	2342.9	2373.2	2384.9
17.5°	2265.7	2282.1	2314.8	2349.9	2361.6
20°	2218.9	2240.0	2277.4	2317.1	2331.2
22.5°	2167.5	2193.2	2235.3	2277.4	2293.7
25°	2111.4	2139.4	2186.2	2230.6	2249.3
27.5°	2052.9	2081.0	2132.4	2176.8	2195.5
30°	1982.8	2015.5	2069.3	2116.0	2132.4
32.5°	1915.0	1947.7	2003.8	2045.9	2062.3
35°	1837.8	1868.2	1929.0	1973.4	1989.8
37.5°	1756.0	1791.0	1849.5	1889.2	1903.3
40°	1676.5	1706.9	1763.0	1802.7	1816.8
42.5°	1587.6	1620.4	1676.5	1711.5	1723.2
45°	1498.8	1531.5	1580.6	1618.0	1627.4
47.5°	1407.6	1438.0	1487.1	1517.5	1526.8
50°	1309.4	1337.4	1384.2	1414.6	1426.3
52.5°	1215.9	1241.6	1281.3	1307.0	1314.1
55°	1117.6	1141.0	1173.8	1201.8	1211.2
57.5°	1012.4	1038.1	1068.5	1091.9	1098.9
60°	911.9	932.9	958.7	979.7	982.0
62.5°	813.7	823.0	846.4	865.1	867.5
65°	703.8	717.8	741.2	748.2	759.9
67.5°	603.2	612.6	631.3	640.7	650.0
70°	500.4	507.4	526.1	537.8	540.1
72.5°	411.5	413.9	427.9	437.2	439.6
75°	320.3	325.0	336.7	343.7	348.4
77.5°	243.2	247.8	257.2	261.9	261.9
80°	170.7	177.7	187.1	189.4	191.7
82.5°	109.9	119.2	126.3	128.6	123.9
85°	58.5	70.1	70.1	65.5	67.8
87.5°	21.0	25.7	28.1	30.4	30.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)