

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: P258467

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258467  
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-74L840-LD5-UNV-24-T1-STD  
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH RECTANGULAR PERF  
Light Source: (252) 4000 CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6798.9 lumens  
Efficiency: N/A  
Efficacy: 110.4 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

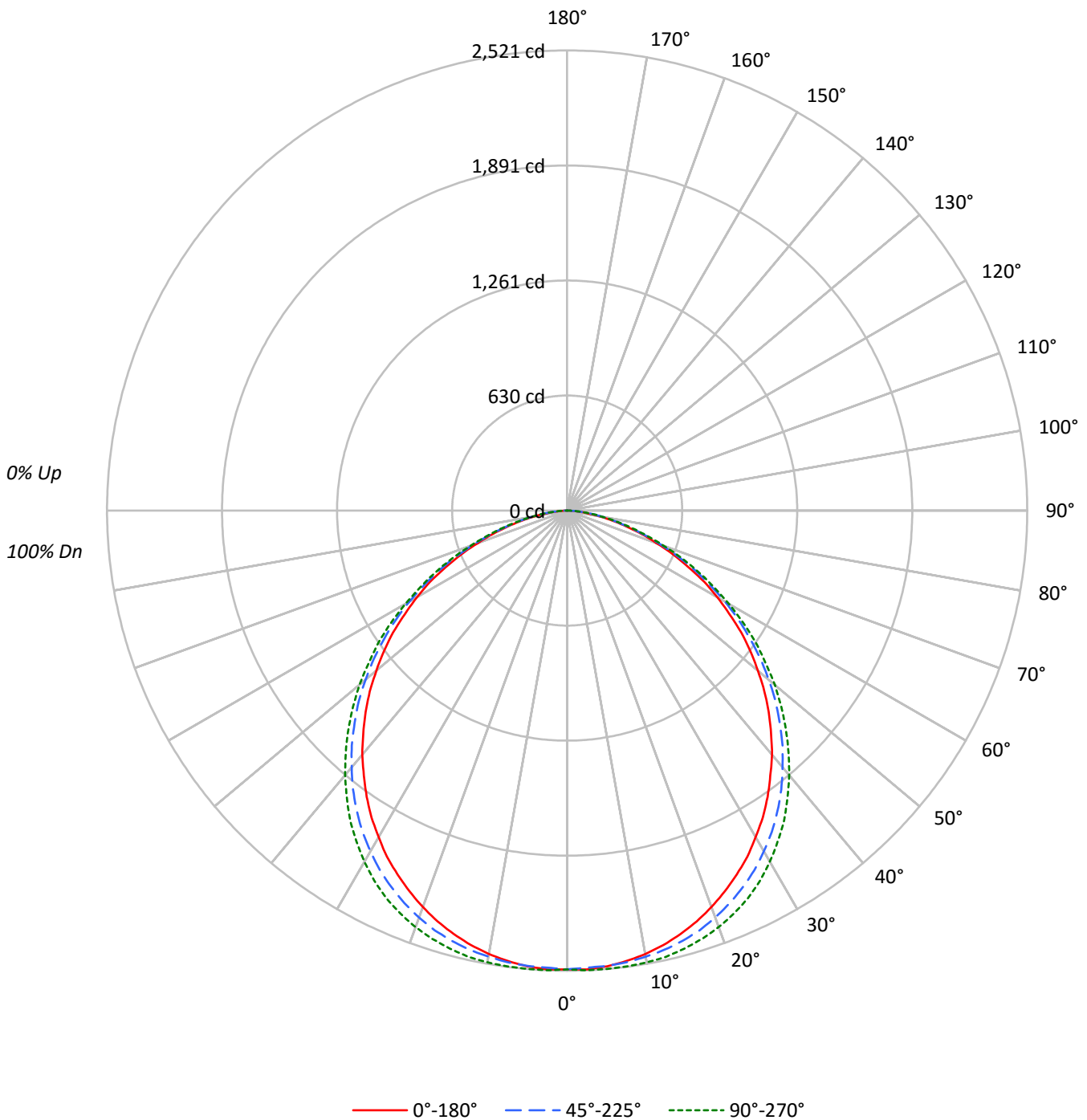
Input Watts (W): 61.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3382	3382	3382
5°	3385	3382	3405
10°	3371	3391	3434
15°	3345	3399	3460
20°	3309	3396	3477
25°	3265	3381	3478
30°	3209	3349	3451
35°	3144	3300	3404
40°	3067	3225	3324
45°	2970	3133	3225
50°	2855	3018	3110
55°	2731	2868	2959
60°	2556	2687	2753
65°	2334	2458	2520
70°	2050	2156	2213
75°	1735	1823	1887
80°	1378	1509	1547
85°	940	1129	1090



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	238.8	3.5
10°-20°	689.5	10.1
20°-30°	1047.8	15.4
30°-40°	1250.3	18.4
40°-50°	1262.7	18.6
50°-60°	1087.9	16.0
60°-70°	758.4	11.2
70°-80°	375.8	5.5
80°-90°	87.6	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°	1976.1	29.1
0°-40°	3226.3	47.5
0°-60°	5577.0	82.0
0°-90°	6798.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6798.9	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2513	2513	2513	2513	2513	
5°	2506	2504	2504	2516	2521	238
15°	2401	2414	2440	2472	2484	677
25°	2199	2228	2277	2323	2343	1013
35°	1914	1946	2009	2056	2073	1196
45°	1561	1595	1646	1685	1695	1203
55°	1164	1188	1223	1252	1262	1038
65°	733	748	772	779	792	728
75°	334	338	351	358	363	360
85°	61	73	73	68	71	78
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2513.4	2513.4	2513.4	2513.4	2513.4
2.5°	2515.8	2511.0	2506.1	2515.8	2520.7
5°	2506.1	2503.7	2503.7	2515.8	2520.7
7.5°	2489.1	2489.1	2496.4	2513.4	2518.3
10°	2467.1	2472.0	2481.7	2506.1	2513.4
12.5°	2437.9	2447.6	2464.7	2493.9	2503.7
15°	2401.4	2413.6	2440.3	2472.0	2484.2
17.5°	2360.0	2377.0	2411.1	2447.6	2459.8
20°	2311.3	2333.2	2372.1	2413.6	2428.2
22.5°	2257.7	2284.5	2328.3	2372.1	2389.2
25°	2199.2	2228.5	2277.2	2323.4	2342.9
27.5°	2138.3	2167.6	2221.2	2267.4	2286.9
30°	2065.3	2099.4	2155.4	2204.1	2221.2
32.5°	1994.7	2028.7	2087.2	2131.0	2148.1
35°	1914.3	1945.9	2009.3	2055.5	2072.6
37.5°	1829.0	1865.6	1926.5	1967.9	1982.5
40°	1746.2	1777.9	1836.3	1877.7	1892.4
42.5°	1653.7	1687.8	1746.2	1782.8	1794.9
45°	1561.1	1595.2	1646.4	1685.3	1695.1
47.5°	1466.2	1497.8	1549.0	1580.6	1590.4
50°	1363.9	1393.1	1441.8	1473.5	1485.6
52.5°	1266.4	1293.2	1334.6	1361.4	1368.7
55°	1164.2	1188.5	1222.6	1251.8	1261.6
57.5°	1054.6	1081.3	1113.0	1137.4	1144.7
60°	949.8	971.8	998.5	1020.5	1022.9
62.5°	847.5	857.3	881.6	901.1	903.6
65°	733.1	747.7	772.0	779.4	791.5
67.5°	628.4	638.1	657.6	667.3	677.1
70°	521.2	528.5	548.0	560.2	562.6
72.5°	428.6	431.1	445.7	455.4	457.9
75°	333.7	338.5	350.7	358.0	362.9
77.5°	253.3	258.2	267.9	272.8	272.8
80°	177.8	185.1	194.8	197.3	199.7
82.5°	114.5	124.2	131.5	134.0	129.1
85°	60.9	73.1	73.1	68.2	70.6
87.5°	21.9	26.8	29.2	31.7	31.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)