

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: P258523

Luminaire Tested: **D3X-WO-67L940-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258523  
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-67L940-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: 5803.6 lumens  
Efficiency: N/A  
Efficacy: 107.7 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

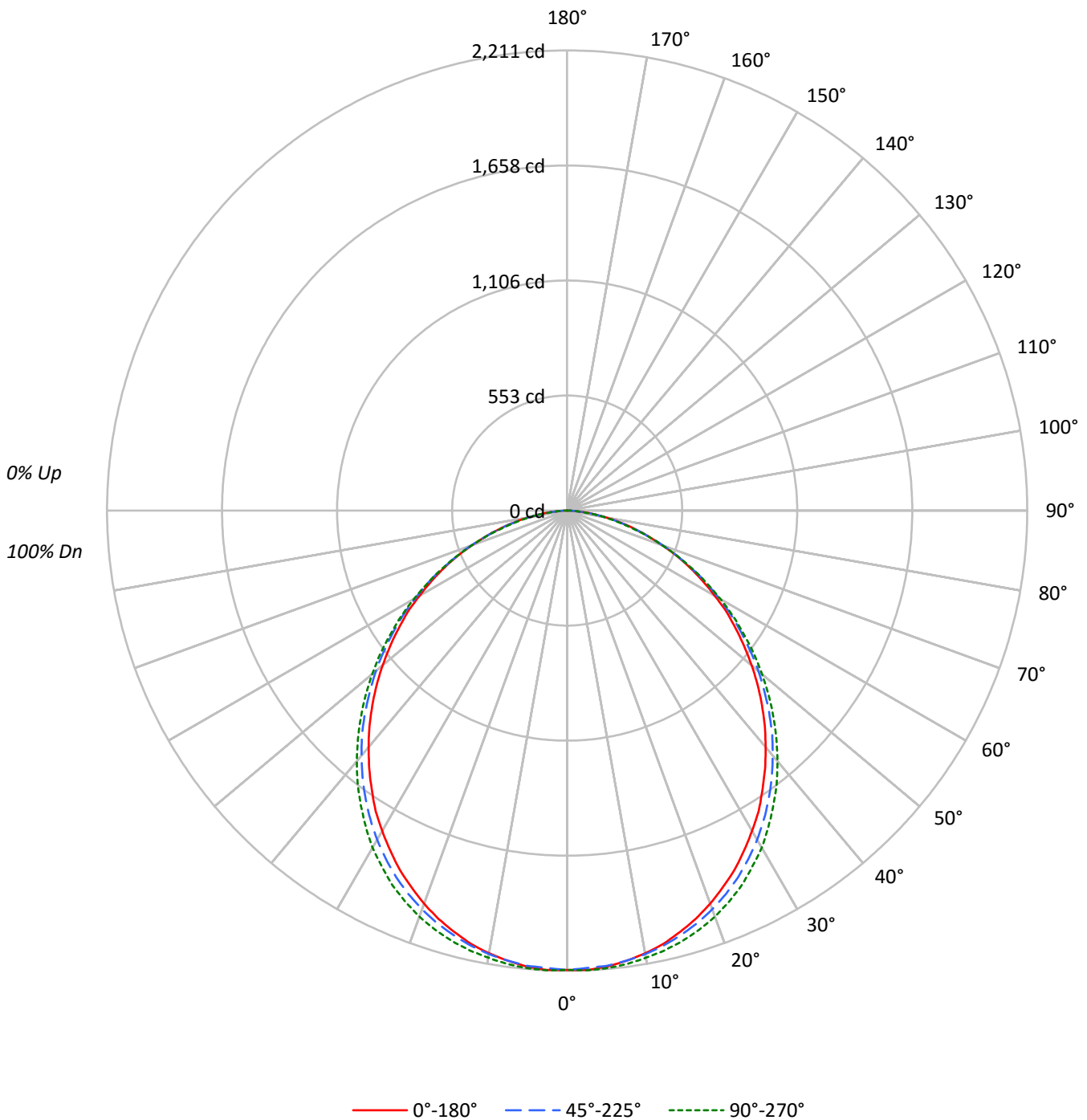
Input Watts (W): 53.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2970	2970	2970
5°	2971	2965	2981
10°	2952	2957	2981
15°	2919	2941	2982
20°	2878	2920	2973
25°	2827	2885	2949
30°	2761	2837	2907
35°	2688	2774	2839
40°	2606	2699	2761
45°	2518	2611	2667
50°	2423	2513	2558
55°	2320	2394	2431
60°	2204	2262	2288
65°	2079	2110	2123
70°	1907	1930	1907
75°	1718	1707	1657
80°	1454	1439	1394
85°	1087	1056	936



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	209.0	3.6
10°-20°	597.0	10.3
20°-30°	895.1	15.4
30°-40°	1054.1	18.2
40°-50°	1054.3	18.2
50°-60°	909.6	15.7
60°-70°	654.6	11.3
70°-80°	347.2	6.0
80°-90°	82.8	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°	1701.0	29.3
0°-40°	2755.1	47.5
0°-60°	4719.0	81.3
0°-90°	5803.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5803.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2207	2207	2207	2207	2207	
5°	2199	2197	2196	2203	2207	209
15°	2096	2102	2111	2133	2141	591
25°	1904	1916	1943	1976	1986	876
35°	1636	1656	1689	1718	1728	1024
45°	1324	1341	1372	1396	1402	1021
55°	989	999	1020	1038	1036	885
65°	653	655	663	667	667	646
75°	330	326	328	321	319	351
85°	70	70	68	63	61	85
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2207.2	2207.2	2207.2	2207.2	2207.2
2.5°	2209.2	2205.2	2199.4	2207.2	2211.1
5°	2199.4	2197.4	2195.5	2203.3	2207.2
7.5°	2181.8	2183.7	2181.8	2193.5	2197.4
10°	2160.3	2162.2	2164.2	2177.9	2181.8
12.5°	2132.9	2134.9	2140.7	2158.3	2164.2
15°	2095.8	2101.6	2111.4	2132.9	2140.7
17.5°	2056.7	2064.5	2078.2	2103.6	2111.4
20°	2009.7	2019.5	2039.1	2066.4	2076.2
22.5°	1957.0	1966.7	1994.1	2023.4	2033.2
25°	1904.2	1915.9	1943.3	1976.5	1986.3
27.5°	1841.6	1857.3	1886.6	1919.8	1927.6
30°	1777.1	1790.8	1826.0	1857.3	1870.9
32.5°	1712.6	1726.3	1759.5	1790.8	1800.6
35°	1636.3	1655.9	1689.1	1718.5	1728.2
37.5°	1562.1	1579.6	1614.8	1644.2	1653.9
40°	1483.9	1499.5	1536.6	1564.0	1571.8
42.5°	1405.7	1421.3	1458.4	1479.9	1487.8
45°	1323.5	1341.1	1372.4	1395.9	1401.7
47.5°	1241.4	1255.1	1284.4	1305.9	1313.8
50°	1157.4	1171.0	1200.4	1218.0	1221.9
52.5°	1073.3	1083.1	1110.4	1126.1	1131.9
55°	989.2	999.0	1020.5	1038.1	1036.2
57.5°	909.1	913.0	934.5	946.2	946.2
60°	819.1	823.1	840.7	848.5	850.4
62.5°	735.1	740.9	754.6	756.6	756.6
65°	653.0	654.9	662.7	666.7	666.7
67.5°	570.9	568.9	576.7	576.7	574.8
70°	484.8	488.8	490.7	486.8	484.8
72.5°	406.6	404.7	404.7	402.7	402.7
75°	330.4	326.5	328.4	320.6	318.7
77.5°	260.0	254.2	252.2	248.3	244.4
80°	187.7	187.7	185.7	181.8	179.9
82.5°	125.1	125.1	123.2	119.3	115.3
85°	70.4	70.4	68.4	62.6	60.6
87.5°	23.5	23.5	23.5	23.5	23.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)