

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: P258464

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258464  
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-67L940-LD5-UNV-24-T1-STD  
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH RECTANGULAR PERF  
Light Source: (252) 4000 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5457.6 lumens  
Efficiency: N/A  
Efficacy: 101.3 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

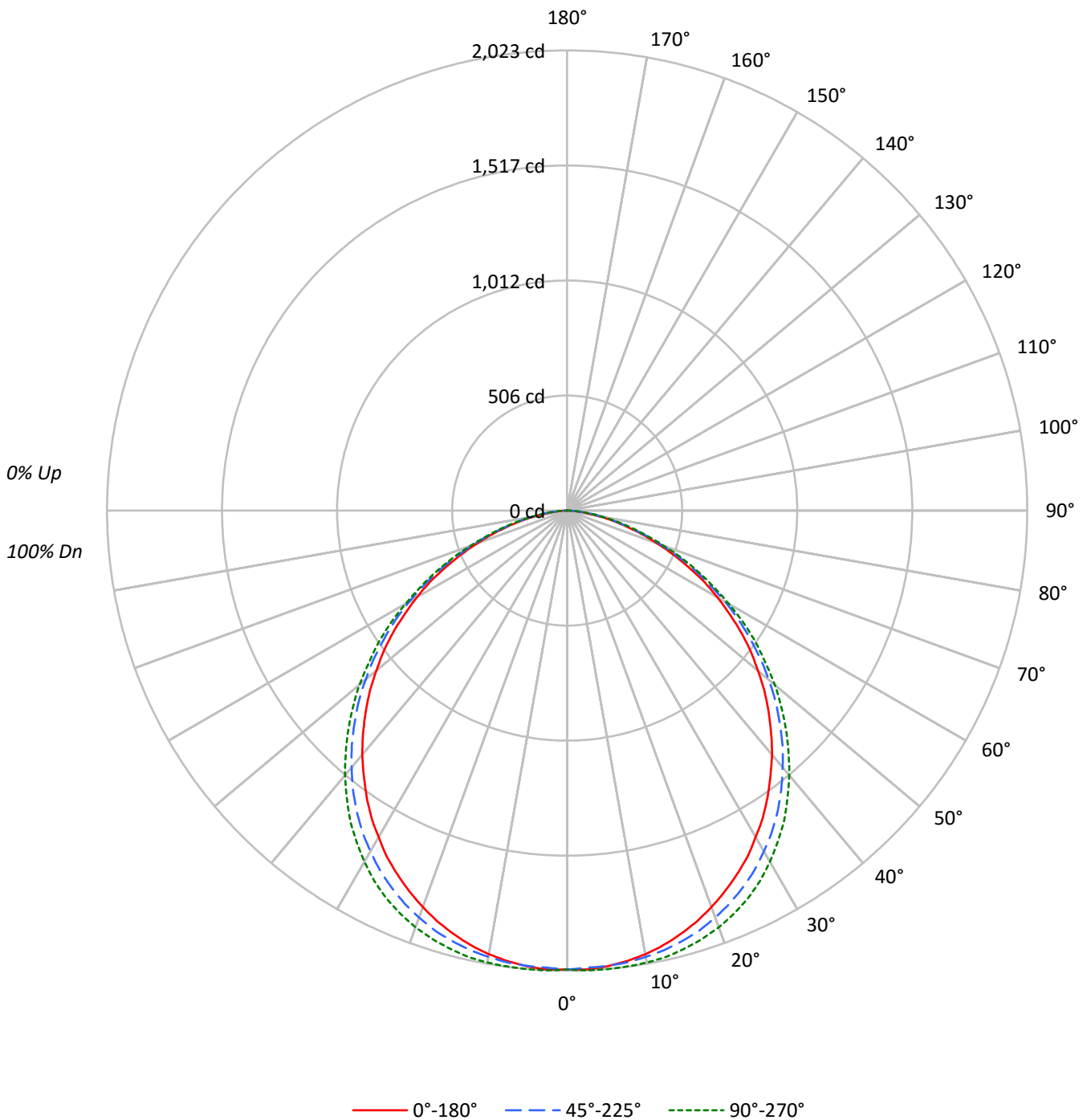
Input Watts (W): 53.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71					71			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61					61			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52					52			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	42	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	26					26			

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

	0°	45°	90°
0°	2715	2715	2715
5°	2717	2714	2733
10°	2706	2722	2757
15°	2685	2729	2778
20°	2656	2727	2791
25°	2621	2714	2792
30°	2576	2688	2770
35°	2524	2649	2733
40°	2462	2589	2668
45°	2385	2515	2589
50°	2292	2423	2496
55°	2192	2302	2376
60°	2052	2157	2210
65°	1874	1973	2023
70°	1646	1731	1777
75°	1392	1463	1514
80°	1106	1212	1242
85°	755	906	875



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	191.7	3.5
10°-20°	553.5	10.1
20°-30°	841.1	15.4
30°-40°	1003.6	18.4
40°-50°	1013.6	18.6
50°-60°	873.3	16.0
60°-70°	608.8	11.2
70°-80°	301.7	5.5
80°-90°	70.4	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°	1586.2	29.1
0°-40°	2589.9	47.5
0°-60°	4476.8	82.0
0°-90°	5457.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5457.6	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2018	2018	2018	2018	2018	
5°	2012	2010	2010	2020	2023	191
15°	1928	1937	1959	1984	1994	544
25°	1765	1789	1828	1865	1881	813
35°	1537	1562	1613	1650	1664	960
45°	1253	1280	1322	1353	1361	966
55°	934	954	981	1005	1013	833
65°	588	600	620	626	635	584
75°	268	272	282	287	291	289
85°	49	59	59	55	57	62
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2017.6	2017.6	2017.6	2017.6	2017.6
2.5°	2019.5	2015.6	2011.7	2019.5	2023.4
5°	2011.7	2009.7	2009.7	2019.5	2023.4
7.5°	1998.0	1998.0	2003.9	2017.6	2021.5
10°	1980.4	1984.3	1992.2	2011.7	2017.6
12.5°	1957.0	1964.8	1978.5	2001.9	2009.7
15°	1927.6	1937.4	1958.9	1984.3	1994.1
17.5°	1894.4	1908.1	1935.5	1964.8	1974.6
20°	1855.3	1872.9	1904.2	1937.4	1949.1
22.5°	1812.3	1833.8	1869.0	1904.2	1917.9
25°	1765.4	1788.8	1827.9	1865.1	1880.7
27.5°	1716.5	1740.0	1783.0	1820.1	1835.8
30°	1657.8	1685.2	1730.2	1769.3	1783.0
32.5°	1601.2	1628.5	1675.4	1710.6	1724.3
35°	1536.6	1562.1	1612.9	1650.0	1663.7
37.5°	1468.2	1497.5	1546.4	1579.6	1591.4
40°	1401.7	1427.2	1474.1	1507.3	1519.0
42.5°	1327.5	1354.8	1401.7	1431.1	1440.8
45°	1253.2	1280.5	1321.6	1352.9	1360.7
47.5°	1176.9	1202.3	1243.4	1268.8	1276.6
50°	1094.8	1118.3	1157.4	1182.8	1192.6
52.5°	1016.6	1038.1	1071.3	1092.9	1098.7
55°	934.5	954.0	981.4	1004.9	1012.7
57.5°	846.5	868.0	893.4	913.0	918.9
60°	762.5	780.0	801.6	819.1	821.1
62.5°	680.3	688.2	707.7	723.4	725.3
65°	588.5	600.2	619.7	625.6	635.4
67.5°	504.4	512.2	527.9	535.7	543.5
70°	418.4	424.2	439.9	449.7	451.6
72.5°	344.1	346.0	357.8	365.6	367.5
75°	267.8	271.7	281.5	287.4	291.3
77.5°	203.3	207.2	215.1	219.0	219.0
80°	142.7	148.6	156.4	158.4	160.3
82.5°	91.9	99.7	105.6	107.5	103.6
85°	48.9	58.7	58.7	54.7	56.7
87.5°	17.6	21.5	23.5	25.4	25.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)