

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: P258461

Luminaire Tested: **D3X-WG-67L840-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258461  
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-67L840-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: 6178.7 lumens  
Efficiency: N/A  
Efficacy: 114.6 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

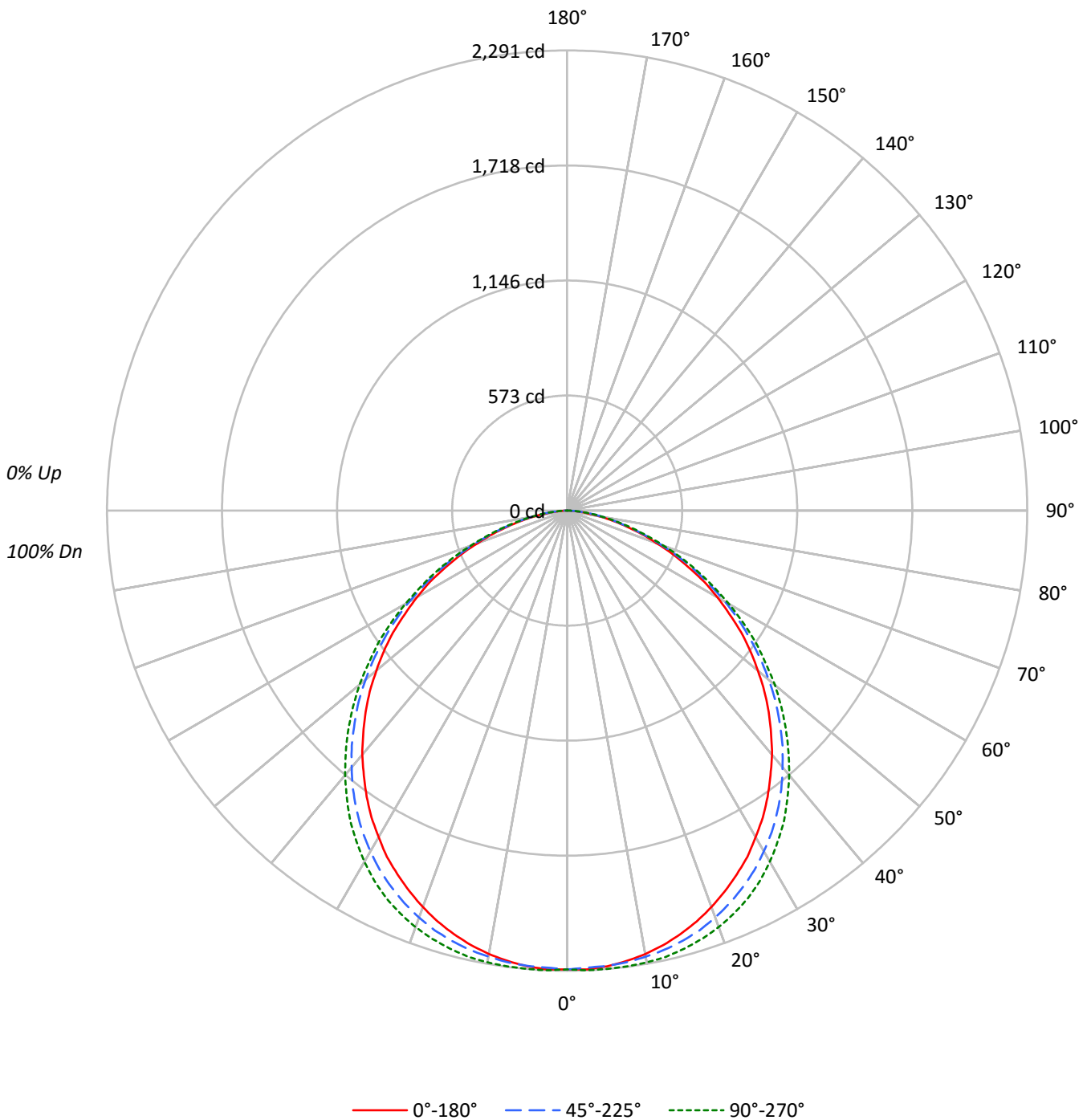
Input Watts (W): 53.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	3073	3073	3073
5°	3076	3073	3094
10°	3063	3081	3121
15°	3040	3089	3145
20°	3007	3087	3160
25°	2967	3072	3161
30°	2916	3043	3136
35°	2857	2999	3094
40°	2787	2931	3021
45°	2700	2847	2931
50°	2594	2743	2826
55°	2482	2606	2689
60°	2323	2442	2502
65°	2121	2234	2290
70°	1863	1959	2011
75°	1576	1657	1714
80°	1252	1372	1406
85°	854	1025	991



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	217.0	3.5
10°-20°	626.6	10.1
20°-30°	952.2	15.4
30°-40°	1136.2	18.4
40°-50°	1147.5	18.6
50°-60°	988.7	16.0
60°-70°	689.2	11.2
70°-80°	341.6	5.5
80°-90°	79.6	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°	1795.8	29.1
0°-40°	2932.0	47.5
0°-60°	5068.2	82.0
0°-90°	6178.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6178.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2284	2284	2284	2284	2284	
5°	2278	2275	2275	2286	2291	216
15°	2182	2193	2218	2246	2258	615
25°	1999	2025	2069	2112	2129	921
35°	1740	1768	1826	1868	1884	1087
45°	1419	1450	1496	1532	1540	1094
55°	1058	1080	1111	1138	1146	943
65°	666	680	702	708	719	662
75°	303	308	319	325	330	327
85°	55	66	66	62	64	71
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2284.1	2284.1	2284.1	2284.1	2284.1
2.5°	2286.3	2281.9	2277.5	2286.3	2290.8
5°	2277.5	2275.3	2275.3	2286.3	2290.8
7.5°	2262.0	2262.0	2268.6	2284.1	2288.5
10°	2242.1	2246.5	2255.3	2277.5	2284.1
12.5°	2215.5	2224.4	2239.8	2266.4	2275.3
15°	2182.3	2193.4	2217.7	2246.5	2257.6
17.5°	2144.7	2160.2	2191.2	2224.4	2235.4
20°	2100.4	2120.3	2155.7	2193.4	2206.7
22.5°	2051.7	2076.1	2115.9	2155.7	2171.2
25°	1998.6	2025.2	2069.4	2111.5	2129.2
27.5°	1943.3	1969.8	2018.5	2060.6	2078.3
30°	1876.9	1907.9	1958.8	2003.0	2018.5
32.5°	1812.7	1843.7	1896.8	1936.6	1952.1
35°	1739.6	1768.4	1826.0	1868.0	1883.5
37.5°	1662.2	1695.4	1750.7	1788.3	1801.6
40°	1586.9	1615.7	1668.8	1706.4	1719.7
42.5°	1502.8	1533.8	1586.9	1620.1	1631.2
45°	1418.7	1449.7	1496.2	1531.6	1540.4
47.5°	1332.4	1361.2	1407.7	1436.4	1445.3
50°	1239.4	1266.0	1310.3	1339.0	1350.1
52.5°	1150.9	1175.3	1212.9	1237.2	1243.9
55°	1058.0	1080.1	1111.1	1137.6	1146.5
57.5°	958.4	982.7	1011.5	1033.6	1040.2
60°	863.2	883.1	907.4	927.4	929.6
62.5°	770.2	779.1	801.2	818.9	821.1
65°	666.2	679.5	701.6	708.3	719.3
67.5°	571.0	579.9	597.6	606.4	615.3
70°	473.6	480.3	498.0	509.1	511.3
72.5°	389.5	391.8	405.0	413.9	416.1
75°	303.2	307.6	318.7	325.4	329.8
77.5°	230.2	234.6	243.5	247.9	247.9
80°	161.6	168.2	177.1	179.3	181.5
82.5°	104.0	112.9	119.5	121.7	117.3
85°	55.3	66.4	66.4	62.0	64.2
87.5°	19.9	24.3	26.6	28.8	28.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)