

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: P258416

Luminaire Tested: **D3X-WD-80L935-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258416
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-80L935-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH ROUND PERF
Light Source: (252) 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6334.7 lumens
Efficiency: N/A
Efficacy: 94.0 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

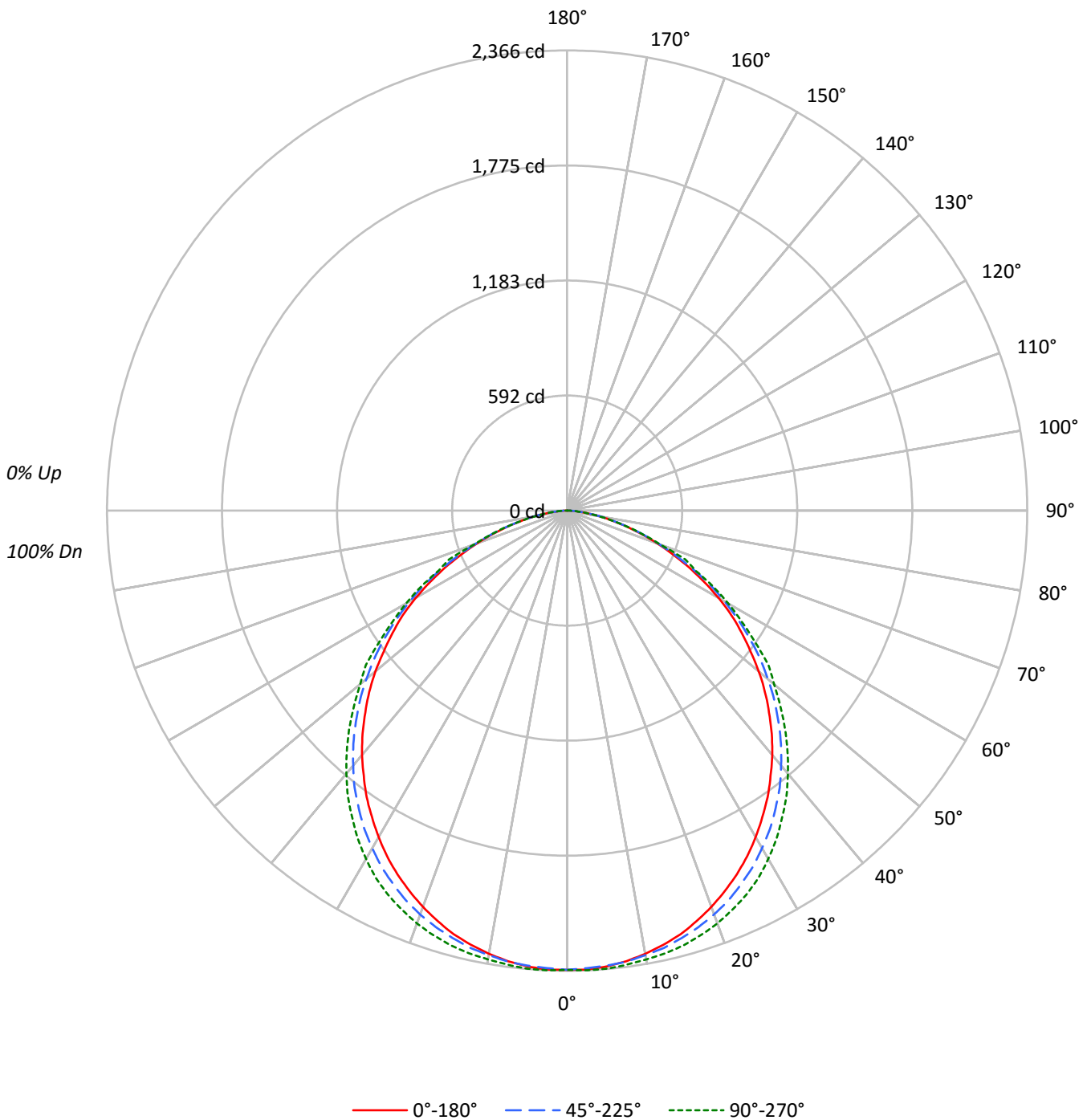
Input Watts (W): 67.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	96	98	95	93	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
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	48	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	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3177	3177	3177
5°	3177	3171	3193
10°	3161	3171	3202
15°	3141	3169	3223
20°	3105	3163	3235
25°	3064	3145	3236
30°	3012	3115	3213
35°	2953	3069	3166
40°	2882	3006	3102
45°	2794	2924	3014
50°	2693	2821	2907
55°	2570	2687	2767
60°	2422	2514	2575
65°	2200	2272	2316
70°	1931	1976	2003
75°	1631	1654	1666
80°	1303	1321	1285
85°	877	912	877



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	223.8	3.5
10°-20°	643.6	10.2
20°-30°	976.5	15.4
30°-40°	1165.8	18.4
40°-50°	1180.3	18.6
50°-60°	1020.2	16.1
60°-70°	707.1	11.2
70°-80°	342.1	5.4
80°-90°	75.2	1.2
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°	1843.9	29.1
0°-40°	3009.8	47.5
0°-60°	5210.3	82.2
0°-90°	6334.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6334.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2362	2362	2362	2362	2362	
5°	2352	2350	2348	2359	2364	223
15°	2255	2259	2275	2302	2314	635
25°	2064	2077	2118	2162	2180	950
35°	1798	1814	1868	1916	1927	1123
45°	1468	1489	1536	1575	1584	1132
55°	1096	1107	1146	1193	1180	979
65°	691	698	714	725	727	684
75°	314	316	318	316	320	337
85°	57	61	59	57	57	74
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2361.5	2361.5	2361.5	2361.5	2361.5
2.5°	2361.5	2359.3	2354.7	2361.5	2366.1
5°	2352.5	2350.2	2347.9	2359.3	2363.8
7.5°	2336.5	2336.5	2338.8	2350.2	2354.7
10°	2313.8	2316.1	2320.6	2338.8	2343.4
12.5°	2286.5	2291.1	2302.5	2322.9	2332.0
15°	2254.7	2259.3	2275.2	2302.5	2313.8
17.5°	2213.8	2222.9	2245.6	2277.4	2288.8
20°	2168.4	2179.7	2209.3	2245.6	2259.3
22.5°	2118.3	2129.7	2168.4	2207.0	2220.6
25°	2063.8	2077.4	2118.3	2161.5	2179.7
27.5°	2004.7	2020.6	2066.1	2111.5	2129.7
30°	1938.8	1957.0	2004.7	2052.4	2068.3
32.5°	1868.3	1886.5	1941.1	1986.5	2002.4
35°	1797.9	1813.8	1868.3	1916.1	1927.4
37.5°	1718.3	1736.5	1795.6	1836.5	1852.4
40°	1641.0	1659.2	1711.5	1752.4	1766.0
42.5°	1556.9	1575.1	1627.4	1666.0	1677.4
45°	1468.3	1488.8	1536.5	1575.1	1584.2
47.5°	1379.7	1395.6	1445.6	1479.7	1486.5
50°	1286.5	1302.4	1347.8	1381.9	1388.7
52.5°	1188.7	1213.7	1250.1	1275.1	1304.6
55°	1095.5	1106.9	1145.5	1193.3	1179.6
57.5°	1002.4	1009.2	1041.0	1061.4	1066.0
60°	900.1	909.2	934.2	945.5	956.9
62.5°	793.2	800.1	829.6	841.0	845.5
65°	691.0	697.8	713.7	725.1	727.3
67.5°	586.4	593.2	606.9	616.0	656.9
70°	490.9	495.5	502.3	520.5	509.1
72.5°	400.0	402.3	409.1	409.1	411.4
75°	313.7	315.9	318.2	315.9	320.5
77.5°	234.1	238.7	240.9	238.7	236.4
80°	168.2	172.7	170.5	165.9	165.9
82.5°	109.1	111.4	109.1	106.8	106.8
85°	56.8	61.4	59.1	56.8	56.8
87.5°	20.5	22.7	25.0	27.3	27.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)