

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: P296894

Luminaire Tested: **D3X-WD-80L93050-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296894  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-80L93050-LD5-UNV-24-T1-W2A-3000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5888.0 lumens  
Efficiency: N/A  
Efficacy: 94.8 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

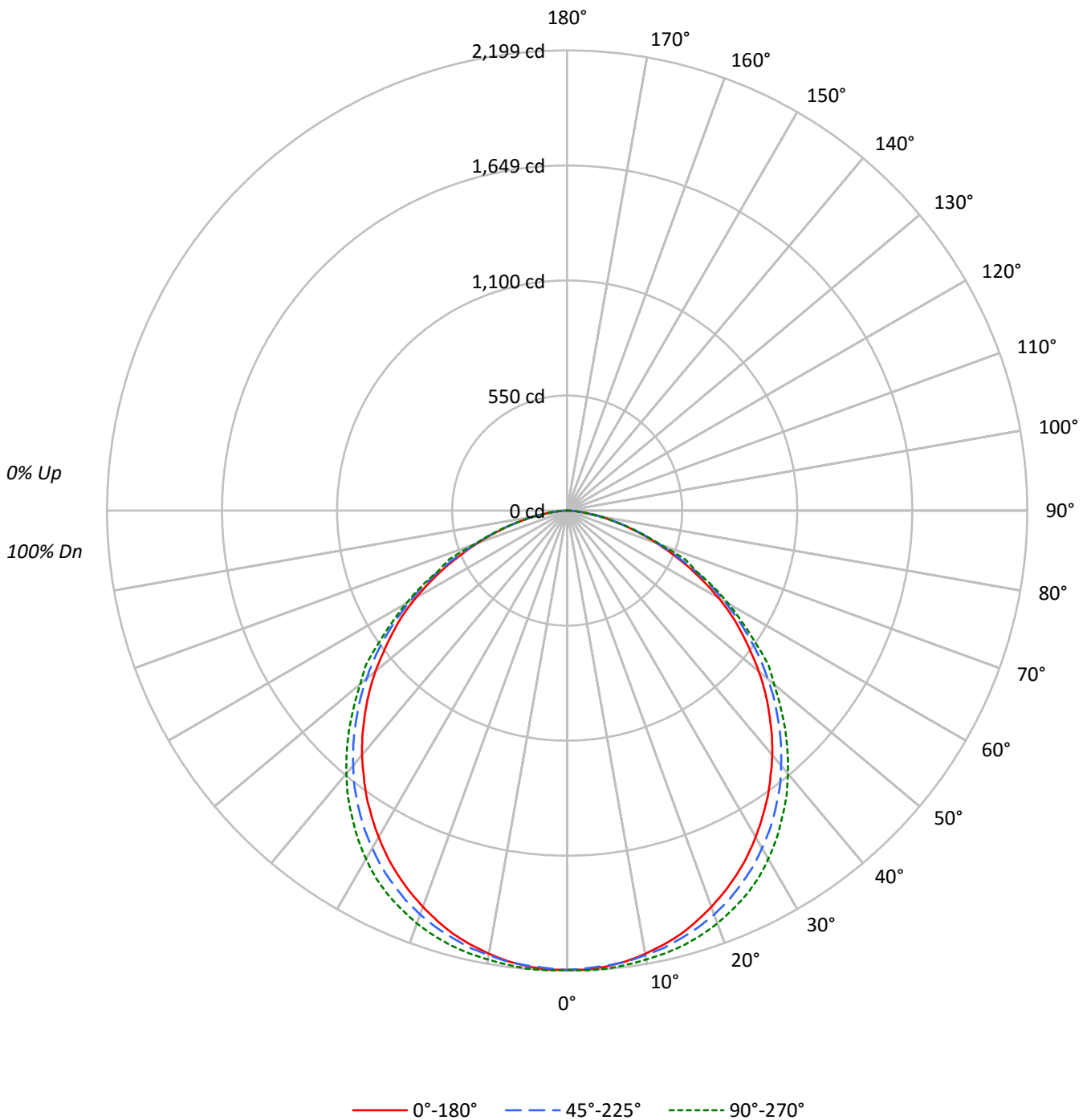
Input Watts (W): 62.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	2953	2953	2953
5°	2953	2947	2967
10°	2938	2947	2976
15°	2919	2946	2996
20°	2886	2940	3007
25°	2848	2923	3008
30°	2800	2895	2987
35°	2745	2852	2943
40°	2679	2794	2883
45°	2597	2717	2802
50°	2503	2622	2702
55°	2389	2498	2572
60°	2251	2337	2393
65°	2045	2112	2152
70°	1795	1837	1862
75°	1515	1538	1549
80°	1211	1227	1195
85°	815	848	815



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	208.0	3.5
10°-20°	598.2	10.2
20°-30°	907.6	15.4
30°-40°	1083.6	18.4
40°-50°	1097.0	18.6
50°-60°	948.3	16.1
60°-70°	657.2	11.2
70°-80°	318.0	5.4
80°-90°	69.9	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°	1713.9	29.1
0°-40°	2797.5	47.5
0°-60°	4842.8	82.2
0°-90°	5888.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5888.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2195	2195	2195	2195	2195	
5°	2187	2184	2182	2193	2197	208
15°	2096	2100	2115	2140	2151	591
25°	1918	1931	1969	2009	2026	883
35°	1671	1686	1737	1781	1792	1044
45°	1365	1384	1428	1464	1472	1053
55°	1018	1029	1065	1109	1096	910
65°	642	649	663	674	676	636
75°	292	294	296	294	298	313
85°	53	57	55	53	53	68
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2195.0	2195.0	2195.0	2195.0	2195.0
2.5°	2195.0	2192.9	2188.7	2195.0	2199.2
5°	2186.6	2184.4	2182.3	2192.9	2197.1
7.5°	2171.8	2171.8	2173.9	2184.4	2188.7
10°	2150.6	2152.8	2157.0	2173.9	2178.1
12.5°	2125.3	2129.5	2140.1	2159.1	2167.5
15°	2095.7	2099.9	2114.7	2140.1	2150.6
17.5°	2057.7	2066.1	2087.3	2116.8	2127.4
20°	2015.4	2026.0	2053.5	2087.3	2099.9
22.5°	1969.0	1979.5	2015.4	2051.3	2064.0
25°	1918.3	1930.9	1969.0	2009.1	2026.0
27.5°	1863.3	1878.1	1920.4	1962.6	1979.5
30°	1802.1	1819.0	1863.3	1907.7	1922.5
32.5°	1736.6	1753.5	1804.2	1846.4	1861.2
35°	1671.1	1685.9	1736.6	1780.9	1791.5
37.5°	1597.1	1614.0	1669.0	1707.0	1721.8
40°	1525.3	1542.2	1590.8	1628.8	1641.5
42.5°	1447.1	1464.0	1512.6	1548.5	1559.1
45°	1364.7	1383.8	1428.1	1464.0	1472.5
47.5°	1282.4	1297.1	1343.6	1375.3	1381.6
50°	1195.7	1210.5	1252.8	1284.5	1290.8
52.5°	1104.9	1128.1	1161.9	1185.2	1212.6
55°	1018.3	1028.8	1064.8	1109.1	1096.4
57.5°	931.7	938.0	967.6	986.6	990.8
60°	836.6	845.0	868.3	878.8	889.4
62.5°	737.3	743.6	771.1	781.7	785.9
65°	642.2	648.6	663.4	673.9	676.0
67.5°	545.1	551.4	564.1	572.5	610.5
70°	456.3	460.5	466.9	483.8	473.2
72.5°	371.8	373.9	380.3	380.3	382.4
75°	291.5	293.7	295.8	293.7	297.9
77.5°	217.6	221.8	223.9	221.8	219.7
80°	156.3	160.6	158.4	154.2	154.2
82.5°	101.4	103.5	101.4	99.3	99.3
85°	52.8	57.0	54.9	52.8	52.8
87.5°	19.0	21.1	23.2	25.4	25.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)