

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: P296895

Luminaire Tested: **D3X-WD-80L93050-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P296895  
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-3500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6433.0 lumens  
Efficiency: N/A  
Efficacy: 104.1 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

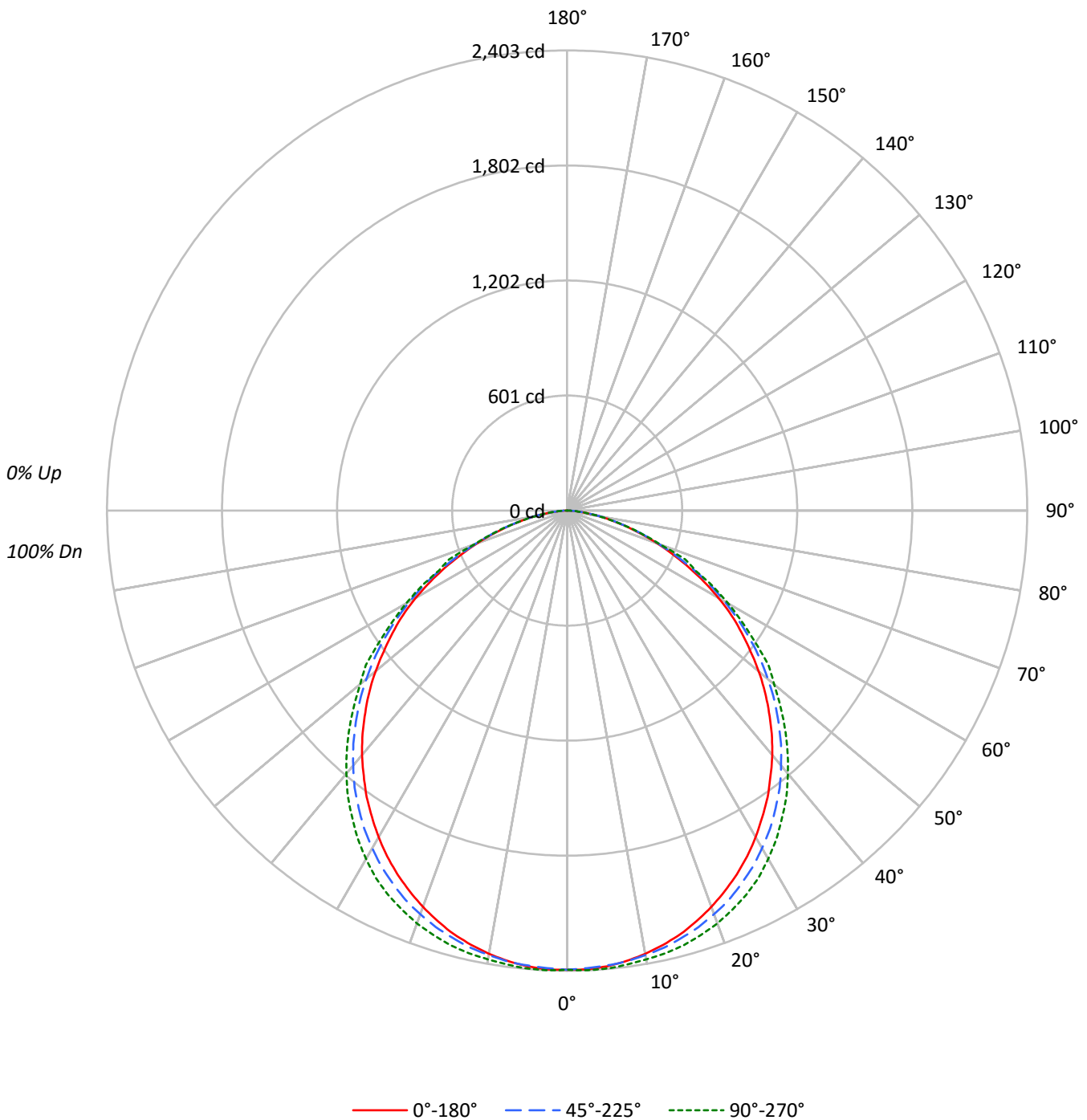
Input Watts (W): 61.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	3227	3227	3227
5°	3227	3220	3242
10°	3210	3220	3251
15°	3189	3218	3273
20°	3153	3212	3285
25°	3111	3194	3286
30°	3059	3163	3263
35°	2999	3116	3215
40°	2927	3053	3150
45°	2837	2969	3061
50°	2735	2865	2952
55°	2610	2729	2810
60°	2460	2553	2615
65°	2234	2308	2351
70°	1961	2007	2034
75°	1656	1680	1692
80°	1323	1341	1306
85°	891	926	891



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	227.3	3.5
10°-20°	653.6	10.2
20°-30°	991.7	15.4
30°-40°	1183.9	18.4
40°-50°	1198.6	18.6
50°-60°	1036.1	16.1
60°-70°	718.1	11.2
70°-80°	347.4	5.4
80°-90°	76.4	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°	1872.5	29.1
0°-40°	3056.5	47.5
0°-60°	5291.1	82.2
0°-90°	6433.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6433.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2398	2398	2398	2398	2398	
5°	2389	2387	2384	2396	2400	227
15°	2290	2294	2310	2338	2350	645
25°	2096	2110	2151	2195	2214	965
35°	1826	1842	1897	1946	1957	1141
45°	1491	1512	1560	1600	1609	1150
55°	1112	1124	1163	1212	1198	994
65°	702	709	725	736	739	694
75°	318	321	323	321	326	342
85°	58	62	60	58	58	75
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2398.2	2398.2	2398.2	2398.2	2398.2
2.5°	2398.2	2395.9	2391.3	2398.2	2402.8
5°	2388.9	2386.6	2384.3	2395.9	2400.5
7.5°	2372.8	2372.8	2375.1	2386.6	2391.3
10°	2349.7	2352.0	2356.6	2375.1	2379.7
12.5°	2322.0	2326.6	2338.2	2358.9	2368.2
15°	2289.7	2294.3	2310.5	2338.2	2349.7
17.5°	2248.1	2257.4	2280.5	2312.8	2324.3
20°	2202.0	2213.5	2243.5	2280.5	2294.3
22.5°	2151.2	2162.7	2202.0	2241.2	2255.1
25°	2095.8	2109.7	2151.2	2195.1	2213.5
27.5°	2035.8	2052.0	2098.1	2144.3	2162.7
30°	1968.9	1987.3	2035.8	2084.3	2100.4
32.5°	1897.3	1915.8	1971.2	2017.3	2033.5
35°	1825.8	1841.9	1897.3	1945.8	1957.3
37.5°	1745.0	1763.4	1823.4	1865.0	1881.1
40°	1666.5	1685.0	1738.0	1779.6	1793.4
42.5°	1581.1	1599.6	1652.6	1691.9	1703.4
45°	1491.1	1511.8	1560.3	1599.6	1608.8
47.5°	1401.1	1417.2	1468.0	1502.6	1509.5
50°	1306.4	1322.6	1368.7	1403.4	1410.3
52.5°	1207.2	1232.6	1269.5	1294.9	1324.9
55°	1112.5	1124.1	1163.3	1211.8	1197.9
57.5°	1017.9	1024.8	1057.1	1077.9	1082.5
60°	914.0	923.3	948.7	960.2	971.7
62.5°	805.5	812.5	842.5	854.0	858.6
65°	701.7	708.6	724.8	736.3	738.6
67.5°	595.5	602.4	616.3	625.5	667.1
70°	498.6	503.2	510.1	528.6	517.0
72.5°	406.2	408.5	415.5	415.5	417.8
75°	318.5	320.8	323.1	320.8	325.5
77.5°	237.7	242.4	244.7	242.4	240.0
80°	170.8	175.4	173.1	168.5	168.5
82.5°	110.8	113.1	110.8	108.5	108.5
85°	57.7	62.3	60.0	57.7	57.7
87.5°	20.8	23.1	25.4	27.7	27.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)