

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: P297414

Luminaire Tested: **D3X-WO-36L93050-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297414  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-36L93050-LD5-UNV-24-T1-W2A-3000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2858.0 lumens  
Efficiency: N/A  
Efficacy: 110.8 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

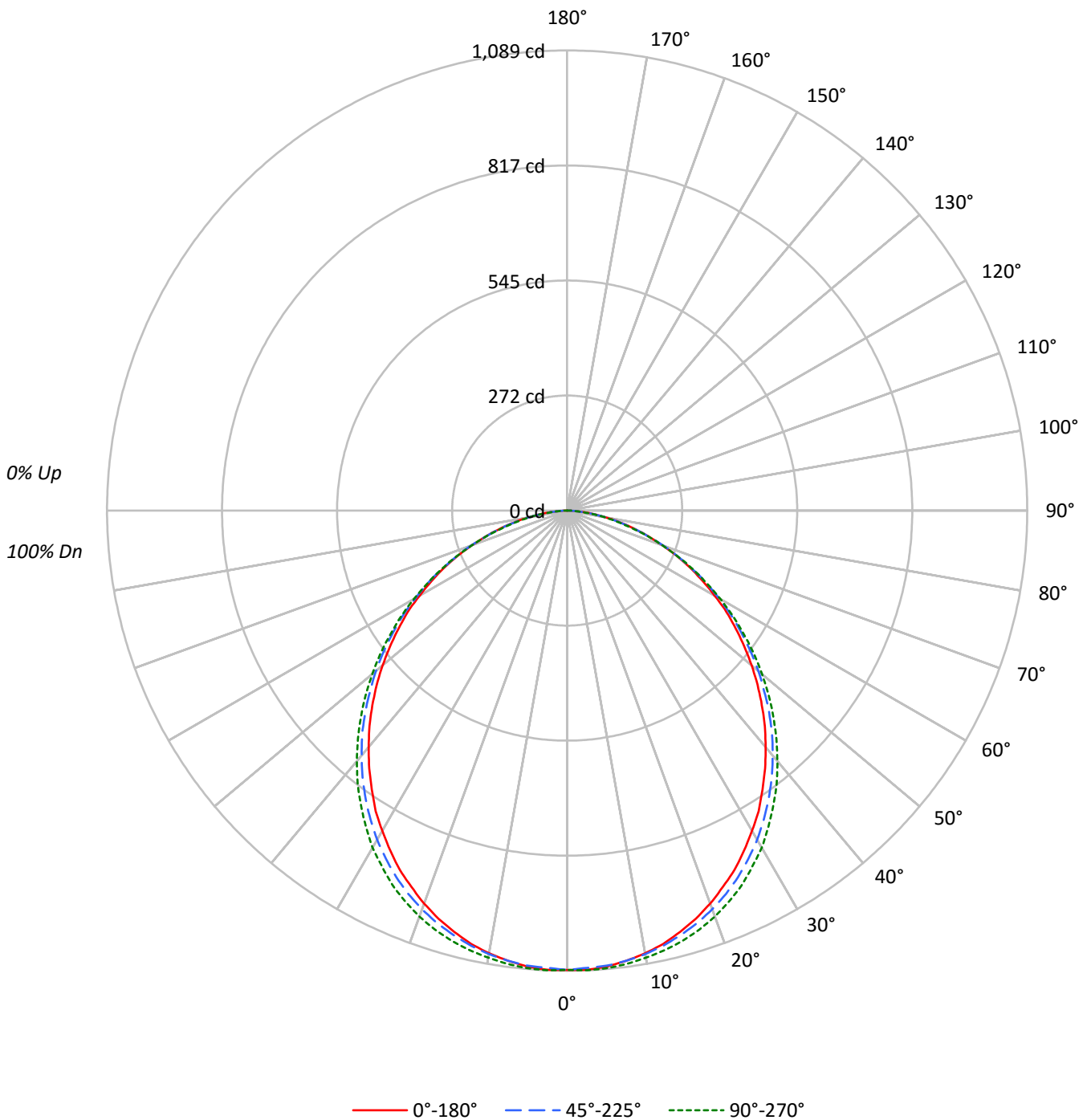
Input Watts (W): 25.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60					60			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52					52			
5	77	64	55	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	41	39					39			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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	28	38	32	27	37	32	27	26					26			

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

	0°	45°	90°
0°	1463	1463	1463
5°	1463	1460	1468
10°	1453	1456	1468
15°	1438	1448	1468
20°	1417	1438	1464
25°	1392	1421	1452
30°	1360	1397	1432
35°	1324	1366	1398
40°	1283	1329	1360
45°	1240	1286	1314
50°	1193	1237	1259
55°	1143	1179	1197
60°	1086	1114	1127
65°	1024	1039	1045
70°	939	951	939
75°	846	841	816
80°	716	709	687
85°	536	520	460



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	102.9	3.6
10°-20°	294.0	10.3
20°-30°	440.8	15.4
30°-40°	519.1	18.2
40°-50°	519.2	18.2
50°-60°	448.0	15.7
60°-70°	322.3	11.3
70°-80°	171.0	6.0
80°-90°	40.8	1.4
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°	837.7	29.3
0°-40°	1356.8	47.5
0°-60°	2323.9	81.3
0°-90°	2858.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2858.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1087	1087	1087	1087	1087	
5°	1083	1082	1081	1085	1087	103
15°	1032	1035	1040	1050	1054	291
25°	938	944	957	973	978	431
35°	806	816	832	846	851	504
45°	652	660	676	687	690	503
55°	487	492	503	511	510	436
65°	322	322	326	328	328	318
75°	163	161	162	158	157	173
85°	35	35	34	31	30	42
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1087.0	1087.0	1087.0	1087.0	1087.0
2.5°	1087.9	1086.0	1083.1	1087.0	1088.9
5°	1083.1	1082.1	1081.2	1085.0	1087.0
7.5°	1074.4	1075.4	1074.4	1080.2	1082.1
10°	1063.8	1064.8	1065.8	1072.5	1074.4
12.5°	1050.4	1051.3	1054.2	1062.9	1065.8
15°	1032.1	1035.0	1039.8	1050.4	1054.2
17.5°	1012.8	1016.7	1023.4	1035.9	1039.8
20°	989.7	994.5	1004.2	1017.6	1022.4
22.5°	963.7	968.5	982.0	996.5	1001.3
25°	937.7	943.5	957.0	973.3	978.2
27.5°	906.9	914.6	929.1	945.4	949.3
30°	875.1	881.9	899.2	914.6	921.4
32.5°	843.4	850.1	866.5	881.9	886.7
35°	805.8	815.5	831.8	846.3	851.1
37.5°	769.2	777.9	795.2	809.7	814.5
40°	730.7	738.4	756.7	770.2	774.1
42.5°	692.2	699.9	718.2	728.8	732.7
45°	651.8	660.4	675.9	687.4	690.3
47.5°	611.3	618.1	632.5	643.1	647.0
50°	570.0	576.7	591.1	599.8	601.7
52.5°	528.6	533.4	546.8	554.5	557.4
55°	487.2	492.0	502.6	511.2	510.3
57.5°	447.7	449.6	460.2	466.0	466.0
60°	403.4	405.3	414.0	417.8	418.8
62.5°	362.0	364.9	371.6	372.6	372.6
65°	321.6	322.5	326.4	328.3	328.3
67.5°	281.1	280.2	284.0	284.0	283.0
70°	238.8	240.7	241.7	239.7	238.8
72.5°	200.3	199.3	199.3	198.3	198.3
75°	162.7	160.8	161.7	157.9	156.9
77.5°	128.0	125.2	124.2	122.3	120.3
80°	92.4	92.4	91.5	89.5	88.6
82.5°	61.6	61.6	60.7	58.7	56.8
85°	34.7	34.7	33.7	30.8	29.8
87.5°	11.6	11.6	11.6	11.6	11.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)