

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: P297417

Luminaire Tested: **D3X-WO-36L93050-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297417  
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-4500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3431.0 lumens  
Efficiency: N/A  
Efficacy: 131.0 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

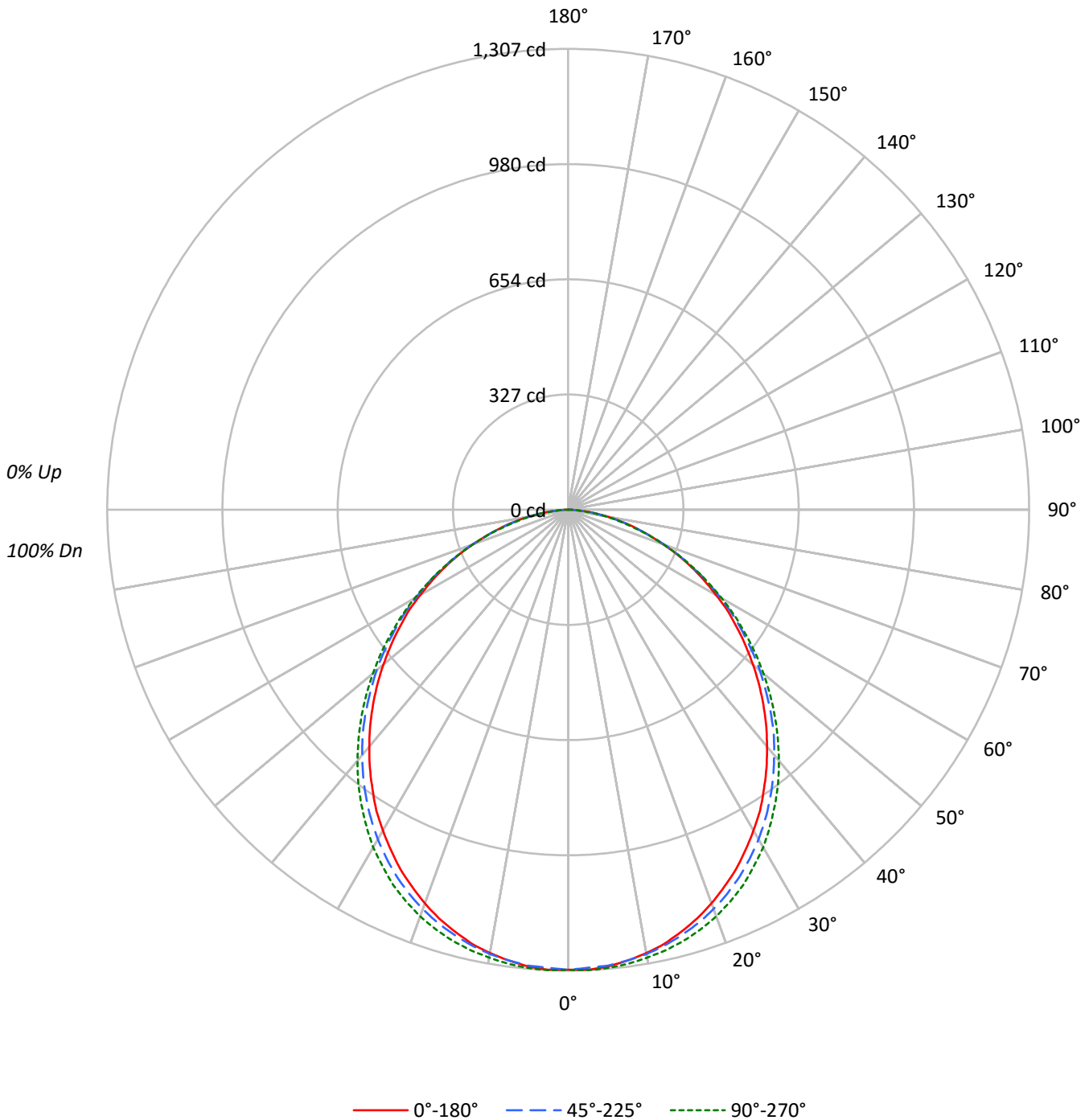
Input Watts (W): 26.2  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1756	1756	1756
5°	1756	1753	1762
10°	1745	1748	1762
15°	1726	1739	1763
20°	1701	1726	1757
25°	1671	1705	1743
30°	1632	1677	1718
35°	1589	1640	1678
40°	1541	1596	1632
45°	1489	1544	1577
50°	1432	1485	1512
55°	1372	1415	1437
60°	1303	1337	1353
65°	1229	1247	1255
70°	1127	1141	1127
75°	1015	1010	979
80°	860	851	824
85°	642	625	553



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	123.5	3.6
10°-20°	352.9	10.3
20°-30°	529.2	15.4
30°-40°	623.2	18.2
40°-50°	623.3	18.2
50°-60°	537.8	15.7
60°-70°	387.0	11.3
70°-80°	205.3	6.0
80°-90°	49.0	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°	1005.6	29.3
0°-40°	1628.8	47.5
0°-60°	2789.8	81.3
0°-90°	3431.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3431.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1305	1305	1305	1305	1305	
5°	1300	1299	1298	1303	1305	123
15°	1239	1242	1248	1261	1266	349
25°	1126	1133	1149	1168	1174	518
35°	967	979	999	1016	1022	605
45°	782	793	811	825	829	604
55°	585	591	603	614	613	523
65°	386	387	392	394	394	382
75°	195	193	194	190	188	208
85°	42	42	40	37	36	50
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1304.9	1304.9	1304.9	1304.9	1304.9
2.5°	1306.0	1303.7	1300.2	1304.9	1307.2
5°	1300.2	1299.1	1297.9	1302.6	1304.9
7.5°	1289.8	1291.0	1289.8	1296.8	1299.1
10°	1277.1	1278.3	1279.4	1287.5	1289.8
12.5°	1261.0	1262.1	1265.6	1276.0	1279.4
15°	1239.0	1242.5	1248.2	1261.0	1265.6
17.5°	1215.9	1220.5	1228.6	1243.6	1248.2
20°	1188.1	1193.9	1205.5	1221.7	1227.4
22.5°	1156.9	1162.7	1178.9	1196.2	1202.0
25°	1125.7	1132.7	1148.8	1168.5	1174.3
27.5°	1088.7	1098.0	1115.3	1135.0	1139.6
30°	1050.6	1058.7	1079.5	1098.0	1106.1
32.5°	1012.5	1020.6	1040.2	1058.7	1064.5
35°	967.4	978.9	998.6	1015.9	1021.7
37.5°	923.5	933.9	954.7	972.0	977.8
40°	877.2	886.5	908.4	924.6	929.2
42.5°	831.0	840.3	862.2	874.9	879.5
45°	782.5	792.9	811.4	825.2	828.7
47.5°	733.9	742.0	759.3	772.1	776.7
50°	684.2	692.3	709.6	720.0	722.4
52.5°	634.5	640.3	656.5	665.7	669.2
55°	584.8	590.6	603.3	613.7	612.6
57.5°	537.4	539.7	552.5	559.4	559.4
60°	484.3	486.6	497.0	501.6	502.8
62.5°	434.6	438.0	446.1	447.3	447.3
65°	386.0	387.2	391.8	394.1	394.1
67.5°	337.5	336.3	341.0	341.0	339.8
70°	286.6	288.9	290.1	287.8	286.6
72.5°	240.4	239.2	239.2	238.1	238.1
75°	195.3	193.0	194.2	189.5	188.4
77.5°	153.7	150.3	149.1	146.8	144.5
80°	111.0	111.0	109.8	107.5	106.3
82.5°	74.0	74.0	72.8	70.5	68.2
85°	41.6	41.6	40.5	37.0	35.8
87.5°	13.9	13.9	13.9	13.9	13.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)