

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: P297474

Luminaire Tested: **D3X-WO-36L92765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297474  
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-36L92765-LD5-UNV-24-T1-W2A-5500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 5500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3448.0 lumens  
Efficiency: N/A  
Efficacy: 133.1 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

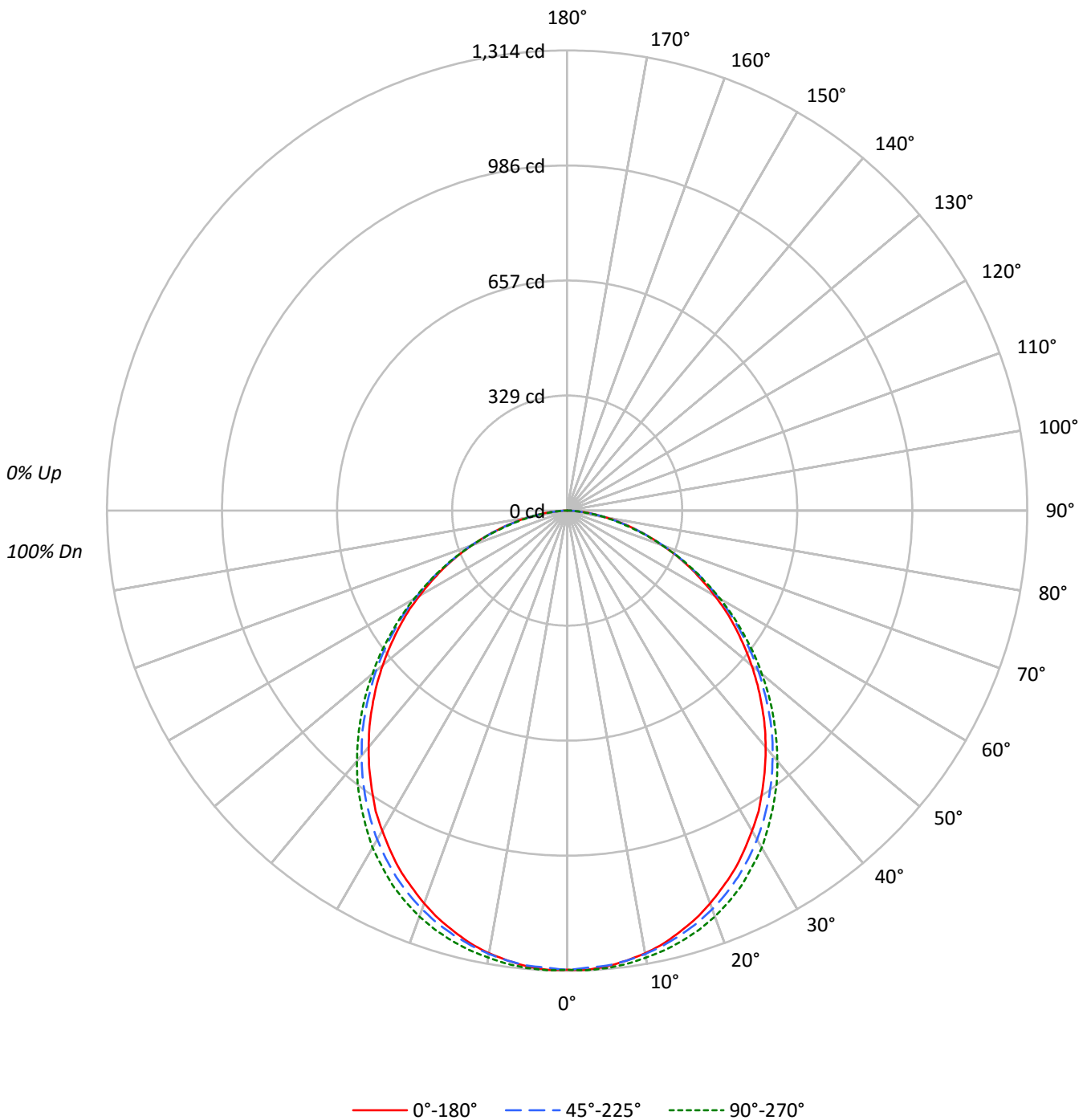
Input Watts (W): 25.9  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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°	1764	1764	1764
5°	1765	1762	1771
10°	1754	1757	1771
15°	1734	1747	1772
20°	1710	1735	1766
25°	1680	1714	1752
30°	1640	1685	1727
35°	1597	1648	1687
40°	1548	1603	1640
45°	1496	1552	1585
50°	1439	1493	1519
55°	1379	1422	1444
60°	1310	1344	1360
65°	1235	1253	1261
70°	1133	1147	1133
75°	1020	1014	984
80°	864	855	828
85°	645	628	556



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.2	3.6
10°-20°	354.7	10.3
20°-30°	531.8	15.4
30°-40°	626.2	18.2
40°-50°	626.4	18.2
50°-60°	540.4	15.7
60°-70°	388.9	11.3
70°-80°	206.3	6.0
80°-90°	49.2	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°	1010.6	29.3
0°-40°	1636.9	47.5
0°-60°	2803.6	81.3
0°-90°	3448.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3448.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1311	1311	1311	1311	1311	
5°	1307	1306	1304	1309	1311	124
15°	1245	1249	1254	1267	1272	351
25°	1131	1138	1154	1174	1180	520
35°	972	984	1004	1021	1027	608
45°	786	797	815	829	833	607
55°	588	594	606	617	616	526
65°	388	389	394	396	396	384
75°	196	194	195	190	189	209
85°	42	42	41	37	36	51
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1311.3	1311.3	1311.3	1311.3	1311.3
2.5°	1312.5	1310.2	1306.7	1311.3	1313.7
5°	1306.7	1305.5	1304.4	1309.0	1311.3
7.5°	1296.2	1297.4	1296.2	1303.2	1305.5
10°	1283.5	1284.6	1285.8	1293.9	1296.2
12.5°	1267.2	1268.4	1271.8	1282.3	1285.8
15°	1245.1	1248.6	1254.4	1267.2	1271.8
17.5°	1221.9	1226.5	1234.7	1249.8	1254.4
20°	1194.0	1199.8	1211.4	1227.7	1233.5
22.5°	1162.7	1168.5	1184.7	1202.2	1208.0
25°	1131.3	1138.3	1154.5	1174.3	1180.1
27.5°	1094.1	1103.4	1120.9	1140.6	1145.2
30°	1055.8	1063.9	1084.8	1103.4	1111.6
32.5°	1017.5	1025.6	1045.4	1063.9	1069.7
35°	972.2	983.8	1003.5	1021.0	1026.8
37.5°	928.0	938.5	959.4	976.8	982.6
40°	881.6	890.9	912.9	929.2	933.8
42.5°	835.1	844.4	866.5	879.3	883.9
45°	786.3	796.8	815.4	829.3	832.8
47.5°	737.6	745.7	763.1	775.9	780.5
50°	687.6	695.7	713.2	723.6	725.9
52.5°	637.7	643.5	659.7	669.0	672.5
55°	587.7	593.5	606.3	616.8	615.6
57.5°	540.1	542.4	555.2	562.2	562.2
60°	486.7	489.0	499.4	504.1	505.3
62.5°	436.7	440.2	448.3	449.5	449.5
65°	387.9	389.1	393.7	396.1	396.1
67.5°	339.2	338.0	342.6	342.6	341.5
70°	288.1	290.4	291.5	289.2	288.1
72.5°	241.6	240.4	240.4	239.3	239.3
75°	196.3	194.0	195.1	190.5	189.3
77.5°	154.5	151.0	149.8	147.5	145.2
80°	111.5	111.5	110.3	108.0	106.9
82.5°	74.3	74.3	73.2	70.9	68.5
85°	41.8	41.8	40.7	37.2	36.0
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)