

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: P297348

Luminaire Tested: **D3X-WO-45L82765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297348  
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-45L82765-LD5-UNV-24-T1-W2A-3500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (504) 80 CRI LEDS TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4441.0 lumens  
Efficiency: N/A  
Efficacy: 140.1 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

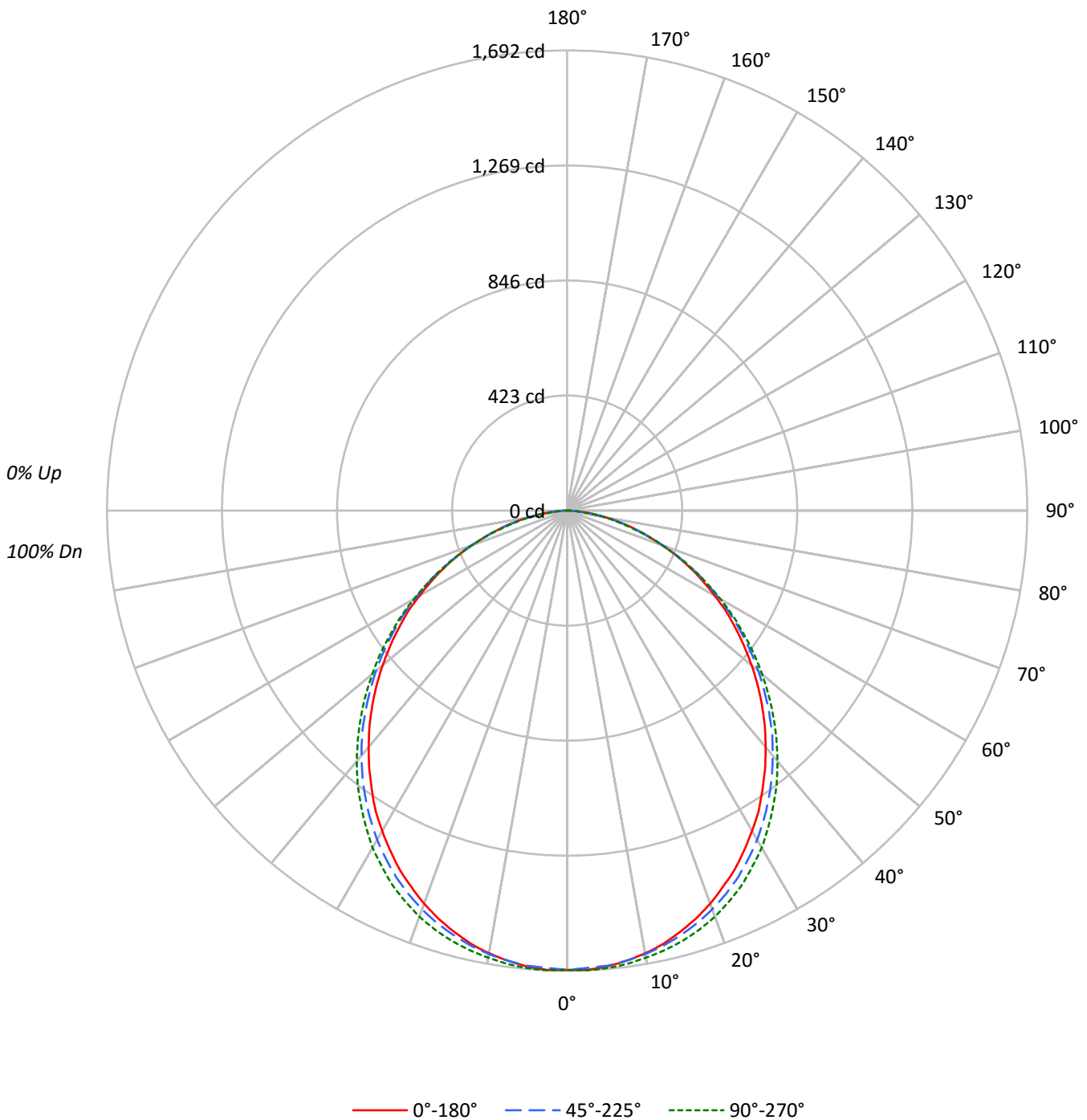
Input Watts (W): 31.7  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2273	2273	2273
5°	2273	2269	2281
10°	2259	2263	2281
15°	2234	2251	2282
20°	2202	2234	2275
25°	2163	2208	2256
30°	2113	2171	2224
35°	2057	2123	2172
40°	1994	2065	2113
45°	1927	1998	2041
50°	1854	1923	1957
55°	1776	1832	1860
60°	1687	1731	1751
65°	1591	1614	1624
70°	1459	1477	1459
75°	1314	1306	1267
80°	1113	1101	1066
85°	832	809	716



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	159.9	3.6
10°-20°	456.8	10.3
20°-30°	684.9	15.4
30°-40°	806.6	18.2
40°-50°	806.7	18.2
50°-60°	696.1	15.7
60°-70°	500.9	11.3
70°-80°	265.7	6.0
80°-90°	63.4	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°	1301.7	29.3
0°-40°	2108.3	47.5
0°-60°	3611.1	81.3
0°-90°	4441.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4441.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1689	1689	1689	1689	1689	
5°	1683	1682	1680	1686	1689	160
15°	1604	1608	1616	1632	1638	452
25°	1457	1466	1487	1512	1520	670
35°	1252	1267	1293	1315	1322	783
45°	1013	1026	1050	1068	1073	781
55°	757	764	781	794	793	677
65°	500	501	507	510	510	494
75°	253	250	251	245	244	269
85°	54	54	52	48	46	65
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1689.0	1689.0	1689.0	1689.0	1689.0
2.5°	1690.5	1687.5	1683.0	1689.0	1692.0
5°	1683.0	1681.5	1680.0	1686.0	1689.0
7.5°	1669.5	1671.0	1669.5	1678.5	1681.5
10°	1653.1	1654.6	1656.1	1666.6	1669.5
12.5°	1632.1	1633.6	1638.1	1651.6	1656.1
15°	1603.7	1608.2	1615.7	1632.1	1638.1
17.5°	1573.8	1579.8	1590.3	1609.7	1615.7
20°	1537.9	1545.4	1560.3	1581.3	1588.8
22.5°	1497.5	1505.0	1525.9	1548.4	1555.8
25°	1457.1	1466.1	1487.0	1512.5	1519.9
27.5°	1409.2	1421.2	1443.6	1469.1	1475.1
30°	1359.9	1370.3	1397.3	1421.2	1431.7
32.5°	1310.5	1321.0	1346.4	1370.3	1377.8
35°	1252.2	1267.1	1292.6	1315.0	1322.5
37.5°	1195.3	1208.8	1235.7	1258.1	1265.6
40°	1135.5	1147.4	1175.9	1196.8	1202.8
42.5°	1075.6	1087.6	1116.0	1132.5	1138.5
45°	1012.8	1026.3	1050.2	1068.2	1072.6
47.5°	950.0	960.4	982.9	999.3	1005.3
50°	885.6	896.1	918.5	932.0	935.0
52.5°	821.3	828.8	849.7	861.7	866.2
55°	757.0	764.5	780.9	794.4	792.9
57.5°	695.6	698.6	715.1	724.1	724.1
60°	626.8	629.8	643.3	649.3	650.8
62.5°	562.5	567.0	577.5	579.0	579.0
65°	499.7	501.2	507.1	510.1	510.1
67.5°	436.8	435.3	441.3	441.3	439.8
70°	371.0	374.0	375.5	372.5	371.0
72.5°	311.2	309.7	309.7	308.2	308.2
75°	252.8	249.8	251.3	245.3	243.8
77.5°	199.0	194.5	193.0	190.0	187.0
80°	143.6	143.6	142.1	139.1	137.6
82.5°	95.7	95.7	94.2	91.3	88.3
85°	53.9	53.9	52.4	47.9	46.4
87.5°	18.0	18.0	18.0	18.0	18.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)