

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: P297217

Luminaire Tested: **D3X-WG-50L92765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297217  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-50L92765-LD5-UNV-24-T1-W2A-3500K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4016.0 lumens  
Efficiency: N/A  
Efficacy: 114.4 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

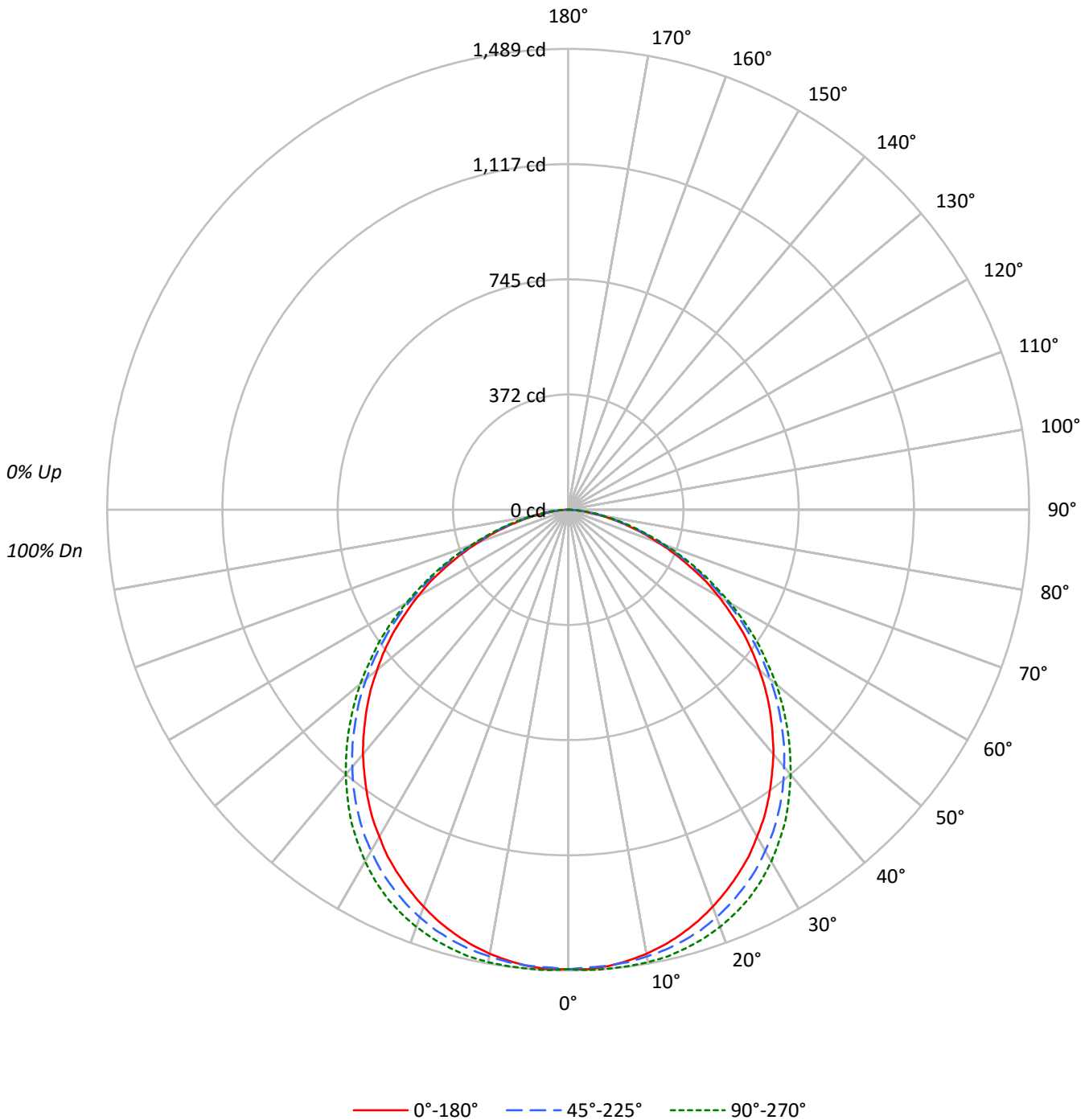
Input Watts (W): 35.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
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	47	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	27	38	32	27	37	31	27	26

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

	0°	45°	90°
0°	1998	1998	1998
5°	1999	1997	2011
10°	1991	2003	2028
15°	1976	2008	2044
20°	1955	2006	2054
25°	1929	1997	2055
30°	1895	1978	2038
35°	1857	1949	2011
40°	1812	1905	1963
45°	1755	1850	1905
50°	1686	1783	1837
55°	1613	1694	1748
60°	1510	1587	1626
65°	1379	1452	1488
70°	1211	1273	1307
75°	1025	1077	1115
80°	814	892	914
85°	556	667	644



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	141.1	3.5
10°-20°	407.3	10.1
20°-30°	618.9	15.4
30°-40°	738.5	18.4
40°-50°	745.9	18.6
50°-60°	642.6	16.0
60°-70°	448.0	11.2
70°-80°	222.0	5.5
80°-90°	51.8	1.3
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°	1167.2	29.1
0°-40°	1905.7	47.5
0°-60°	3294.2	82.0
0°-90°	4016.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4016.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1485	1485	1485	1485	1485	
5°	1480	1479	1479	1486	1489	141
15°	1418	1426	1442	1460	1467	400
25°	1299	1316	1345	1372	1384	598
35°	1131	1149	1187	1214	1224	707
45°	922	942	972	996	1001	711
55°	688	702	722	739	745	613
65°	433	442	456	460	468	430
75°	197	200	207	212	214	212
85°	36	43	43	40	42	46
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1484.6	1484.6	1484.6	1484.6	1484.6
2.5°	1486.1	1483.2	1480.3	1486.1	1488.9
5°	1480.3	1478.9	1478.9	1486.1	1488.9
7.5°	1470.2	1470.2	1474.6	1484.6	1487.5
10°	1457.3	1460.2	1465.9	1480.3	1484.6
12.5°	1440.0	1445.8	1455.9	1473.1	1478.9
15°	1418.5	1425.6	1441.5	1460.2	1467.4
17.5°	1394.0	1404.1	1424.2	1445.8	1453.0
20°	1365.2	1378.2	1401.2	1425.6	1434.3
22.5°	1333.6	1349.4	1375.3	1401.2	1411.3
25°	1299.1	1316.3	1345.1	1372.4	1383.9
27.5°	1263.1	1280.3	1312.0	1339.3	1350.8
30°	1219.9	1240.1	1273.2	1301.9	1312.0
32.5°	1178.2	1198.3	1232.9	1258.8	1268.8
35°	1130.7	1149.4	1186.8	1214.2	1224.2
37.5°	1080.4	1102.0	1137.9	1162.4	1171.0
40°	1031.5	1050.2	1084.7	1109.2	1117.8
42.5°	976.8	996.9	1031.5	1053.1	1060.2
45°	922.1	942.3	972.5	995.5	1001.3
47.5°	866.0	884.7	914.9	933.6	939.4
50°	805.6	822.9	851.6	870.4	877.5
52.5°	748.1	763.9	788.4	804.2	808.5
55°	687.6	702.0	722.2	739.4	745.2
57.5°	622.9	638.7	657.4	671.8	676.1
60°	561.1	574.0	589.8	602.8	604.2
62.5°	500.6	506.4	520.8	532.3	533.7
65°	433.0	441.6	456.0	460.4	467.5
67.5°	371.2	376.9	388.4	394.2	399.9
70°	307.9	312.2	323.7	330.9	332.3
72.5°	253.2	254.6	263.3	269.0	270.5
75°	197.1	200.0	207.2	211.5	214.4
77.5°	149.6	152.5	158.2	161.1	161.1
80°	105.0	109.3	115.1	116.5	118.0
82.5°	67.6	73.4	77.7	79.1	76.2
85°	36.0	43.2	43.2	40.3	41.7
87.5°	12.9	15.8	17.3	18.7	18.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)