

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: P297497

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297497
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-50L92765-LD5-UNV-24-T1-W2A-3500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4270.0 lumens
Efficiency: N/A
Efficacy: 121.7 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

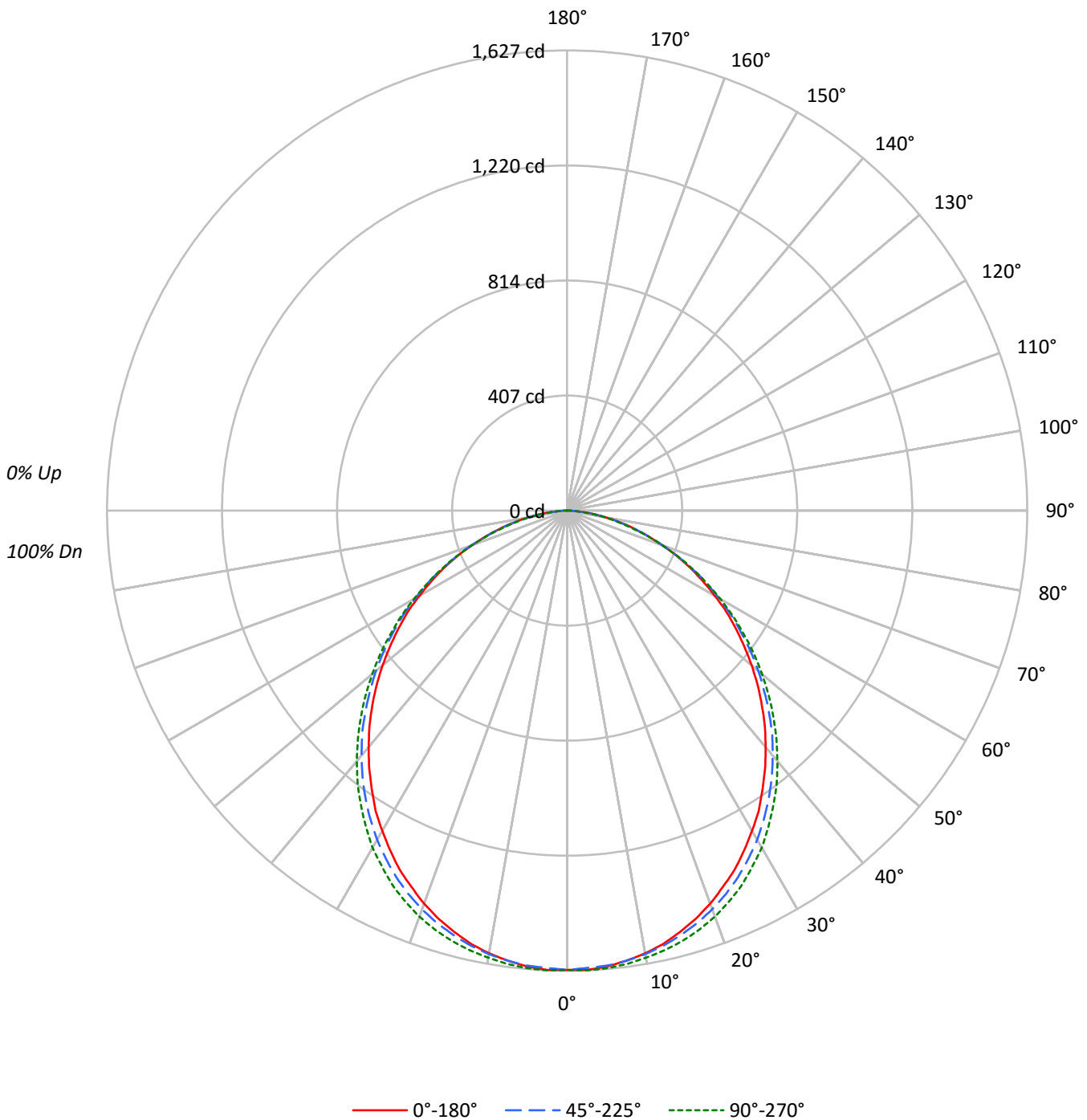
Input Watts (W): 35.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2185	2185	2185
5°	2186	2182	2193
10°	2172	2175	2193
15°	2148	2164	2194
20°	2117	2148	2187
25°	2080	2123	2170
30°	2031	2087	2139
35°	1977	2041	2089
40°	1917	1986	2031
45°	1853	1921	1962
50°	1782	1849	1882
55°	1707	1761	1788
60°	1622	1664	1684
65°	1529	1552	1562
70°	1403	1420	1403
75°	1264	1256	1219
80°	1070	1058	1025
85°	800	777	689



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.8	3.6
10°-20°	439.2	10.3
20°-30°	658.6	15.4
30°-40°	775.6	18.2
40°-50°	775.7	18.2
50°-60°	669.3	15.7
60°-70°	481.6	11.3
70°-80°	255.4	6.0
80°-90°	60.9	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°	1251.5	29.3
0°-40°	2027.1	47.5
0°-60°	3472.0	81.3
0°-90°	4270.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4270.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1624	1624	1624	1624	1624	
5°	1618	1617	1615	1621	1624	154
15°	1542	1546	1554	1569	1575	435
25°	1401	1410	1430	1454	1461	644
35°	1204	1218	1243	1264	1272	753
45°	974	987	1010	1027	1031	751
55°	728	735	751	764	762	651
65°	480	482	488	490	490	475
75°	243	240	242	236	234	259
85°	52	52	50	46	45	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1624.0	1624.0	1624.0	1624.0	1624.0
2.5°	1625.4	1622.5	1618.2	1624.0	1626.8
5°	1618.2	1616.8	1615.3	1621.1	1624.0
7.5°	1605.3	1606.7	1605.3	1613.9	1616.8
10°	1589.4	1590.9	1592.3	1602.4	1605.3
12.5°	1569.3	1570.7	1575.1	1588.0	1592.3
15°	1542.0	1546.3	1553.5	1569.3	1575.1
17.5°	1513.2	1519.0	1529.0	1547.7	1553.5
20°	1478.7	1485.9	1500.3	1520.4	1527.6
22.5°	1439.8	1447.0	1467.2	1488.7	1495.9
25°	1401.0	1409.6	1429.8	1454.2	1461.4
27.5°	1355.0	1366.5	1388.1	1412.5	1418.3
30°	1307.5	1317.6	1343.5	1366.5	1376.6
32.5°	1260.0	1270.1	1294.6	1317.6	1324.8
35°	1203.9	1218.3	1242.8	1264.4	1271.6
37.5°	1149.3	1162.2	1188.1	1209.7	1216.9
40°	1091.7	1103.3	1130.6	1150.7	1156.5
42.5°	1034.2	1045.7	1073.1	1088.9	1094.6
45°	973.8	986.7	1009.8	1027.0	1031.3
47.5°	913.4	923.5	945.0	960.9	966.6
50°	851.5	861.6	883.2	896.1	899.0
52.5°	789.7	796.9	817.0	828.5	832.8
55°	727.8	735.0	750.8	763.8	762.4
57.5°	668.9	671.7	687.6	696.2	696.2
60°	602.7	605.6	618.5	624.3	625.7
62.5°	540.8	545.2	555.2	556.7	556.7
65°	480.4	481.9	487.6	490.5	490.5
67.5°	420.0	418.6	424.3	424.3	422.9
70°	356.7	359.6	361.0	358.2	356.7
72.5°	299.2	297.7	297.7	296.3	296.3
75°	243.1	240.2	241.7	235.9	234.5
77.5°	191.3	187.0	185.6	182.7	179.8
80°	138.1	138.1	136.6	133.8	132.3
82.5°	92.1	92.1	90.6	87.7	84.9
85°	51.8	51.8	50.3	46.0	44.6
87.5°	17.3	17.3	17.3	17.3	17.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)