

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: P297226

Luminaire Tested: **D3X-WG-55L92765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297226
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-55L92765-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: 4465.0 lumens
Efficiency: N/A
Efficacy: 116.3 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

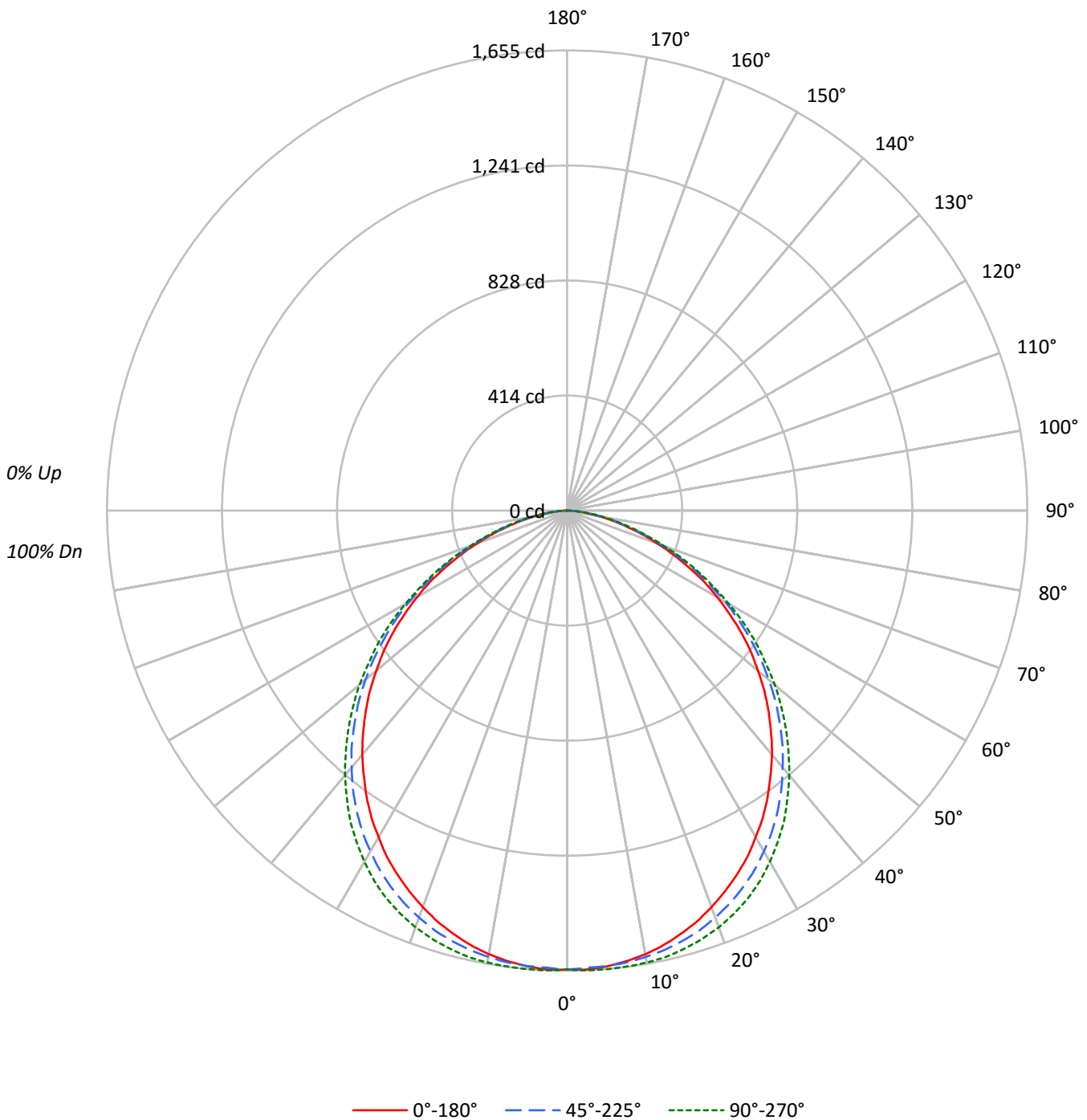
Input Watts (W): 38.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2221	2221	2221
5°	2223	2221	2236
10°	2214	2227	2255
15°	2197	2232	2272
20°	2173	2231	2283
25°	2144	2220	2284
30°	2107	2199	2266
35°	2065	2167	2236
40°	2014	2118	2183
45°	1951	2057	2118
50°	1875	1982	2042
55°	1793	1883	1943
60°	1679	1765	1808
65°	1533	1614	1655
70°	1347	1416	1454
75°	1139	1197	1239
80°	905	992	1017
85°	618	741	716



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.8	3.5
10°-20°	452.8	10.1
20°-30°	688.1	15.4
30°-40°	821.1	18.4
40°-50°	829.3	18.6
50°-60°	714.5	16.0
60°-70°	498.1	11.2
70°-80°	246.8	5.5
80°-90°	57.6	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°	1297.7	29.1
0°-40°	2118.8	47.5
0°-60°	3662.6	82.0
0°-90°	4465.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4465.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1651	1651	1651	1651	1651	
5°	1646	1644	1644	1652	1655	156
15°	1577	1585	1603	1623	1631	445
25°	1444	1464	1496	1526	1539	665
35°	1257	1278	1320	1350	1361	786
45°	1025	1048	1081	1107	1113	790
55°	764	780	803	822	828	681
65°	481	491	507	512	520	478
75°	219	222	230	235	238	236
85°	40	48	48	45	46	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1650.6	1650.6	1650.6	1650.6	1650.6
2.5°	1652.2	1649.0	1645.8	1652.2	1655.4
5°	1645.8	1644.2	1644.2	1652.2	1655.4
7.5°	1634.6	1634.6	1639.4	1650.6	1653.8
10°	1620.2	1623.4	1629.8	1645.8	1650.6
12.5°	1601.0	1607.4	1618.6	1637.8	1644.2
15°	1577.0	1585.0	1602.6	1623.4	1631.4
17.5°	1549.9	1561.0	1583.4	1607.4	1615.4
20°	1517.9	1532.3	1557.8	1585.0	1594.6
22.5°	1482.7	1500.3	1529.1	1557.8	1569.0
25°	1444.3	1463.5	1495.5	1525.9	1538.7
27.5°	1404.3	1423.5	1458.7	1489.1	1501.9
30°	1356.3	1378.7	1415.5	1447.5	1458.7
32.5°	1309.9	1332.3	1370.7	1399.5	1410.7
35°	1257.2	1277.9	1319.5	1349.9	1361.1
37.5°	1201.2	1225.2	1265.2	1292.3	1301.9
40°	1146.8	1167.6	1206.0	1233.2	1242.8
42.5°	1086.0	1108.4	1146.8	1170.8	1178.8
45°	1025.2	1047.6	1081.2	1106.8	1113.2
47.5°	962.9	983.7	1017.2	1038.0	1044.4
50°	895.7	914.9	946.9	967.7	975.7
52.5°	831.7	849.3	876.5	894.1	898.9
55°	764.5	780.5	802.9	822.1	828.5
57.5°	692.6	710.1	730.9	746.9	751.7
60°	623.8	638.2	655.8	670.2	671.8
62.5°	556.6	563.0	579.0	591.8	593.4
65°	481.4	491.0	507.0	511.8	519.8
67.5°	412.7	419.1	431.8	438.2	444.6
70°	342.3	347.1	359.9	367.9	369.5
72.5°	281.5	283.1	292.7	299.1	300.7
75°	219.1	222.3	230.3	235.1	238.3
77.5°	166.3	169.5	175.9	179.1	179.1
80°	116.8	121.6	128.0	129.6	131.2
82.5°	75.2	81.6	86.4	88.0	84.8
85°	40.0	48.0	48.0	44.8	46.4
87.5°	14.4	17.6	19.2	20.8	20.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)