

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: P297492

Luminaire Tested: **D3X-WO-45L92765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297492
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-45L92765-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: 4268.0 lumens
Efficiency: N/A
Efficacy: 131.3 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

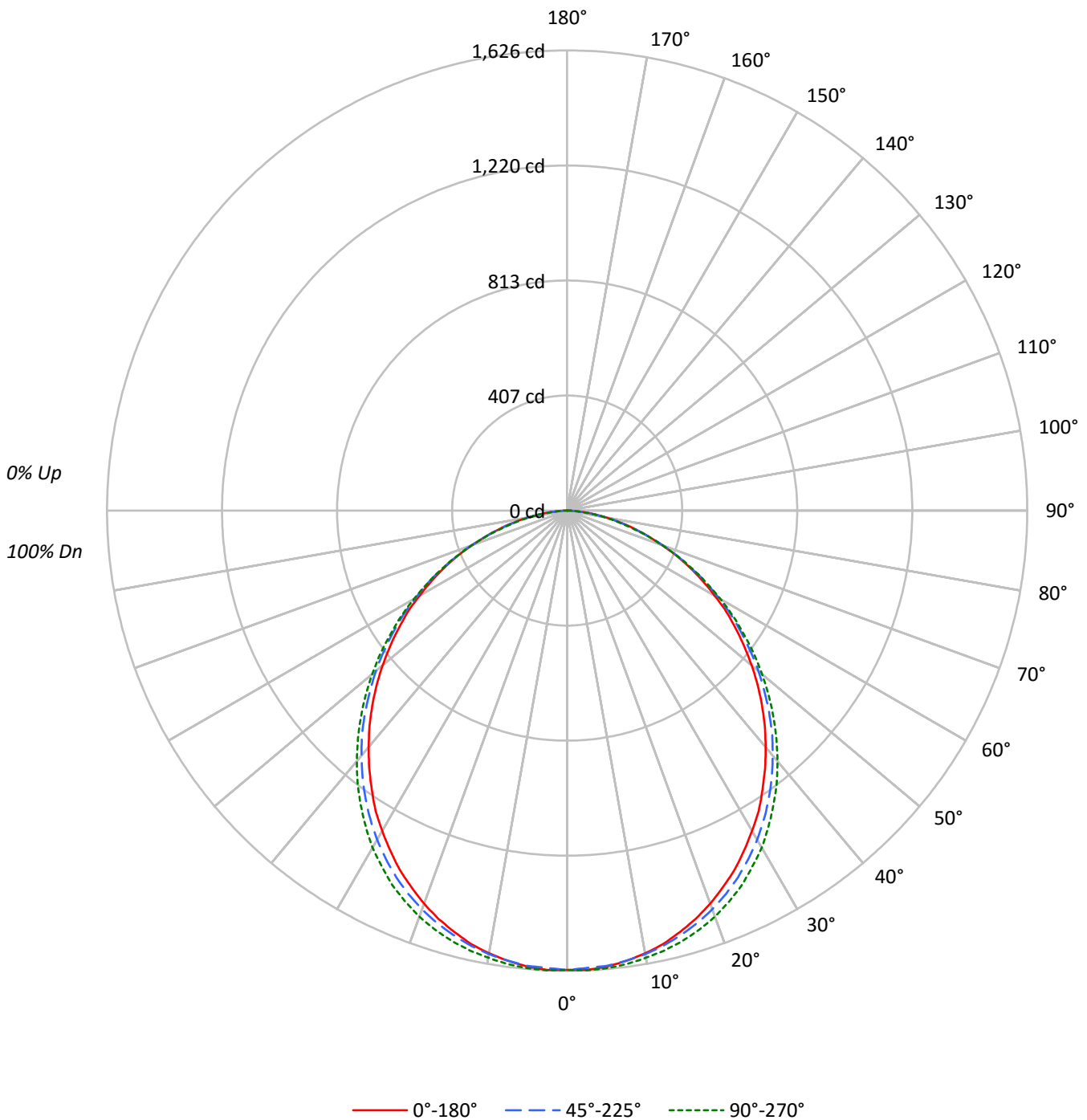
Input Watts (W): 32.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297492

CATALOG NUMBER: D3X-WO-45L92765-LD5-UNV-24-T1-W2A-5500K

Luminous Intensity Polar Plot





TEST NUMBER: P297492

CATALOG NUMBER: D3X-WO-45L92765-LD5-UNV-24-T1-W2A-5500K

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°	2184	2184	2184
5°	2185	2181	2192
10°	2171	2175	2192
15°	2147	2163	2193
20°	2116	2147	2186
25°	2079	2122	2169
30°	2030	2086	2138
35°	1977	2040	2088
40°	1917	1985	2030
45°	1852	1921	1962
50°	1782	1848	1881
55°	1707	1761	1787
60°	1621	1664	1683
65°	1529	1552	1561
70°	1403	1420	1403
75°	1263	1255	1219
80°	1069	1058	1025
85°	800	777	689



TEST NUMBER: P297492

CATALOG NUMBER: D3X-WO-45L92765-LD5-UNV-24-T1-W2A-5500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.7	3.6
10°-20°	439.0	10.3
20°-30°	658.2	15.4
30°-40°	775.2	18.2
40°-50°	775.3	18.2
50°-60°	669.0	15.7
60°-70°	481.4	11.3
70°-80°	255.3	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°	1251.0	29.3
0°-40°	2026.1	47.5
0°-60°	3470.4	81.3
0°-90°	4268.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4268.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1623	1623	1623	1623	1623	
5°	1617	1616	1615	1620	1623	153
15°	1541	1546	1553	1569	1574	435
25°	1400	1409	1429	1454	1461	644
35°	1203	1218	1242	1264	1271	753
45°	973	986	1009	1026	1031	751
55°	728	735	750	763	762	651
65°	480	482	487	490	490	475
75°	243	240	242	236	234	258
85°	52	52	50	46	45	63
90°	0	0	0	0	0	



TEST NUMBER: P297492

CATALOG NUMBER: D3X-WO-45L92765-LD5-UNV-24-T1-W2A-5500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1623.2	1623.2	1623.2	1623.2	1623.2
2.5°	1624.6	1621.8	1617.4	1623.2	1626.1
5°	1617.4	1616.0	1614.6	1620.3	1623.2
7.5°	1604.5	1605.9	1604.5	1613.1	1616.0
10°	1588.7	1590.1	1591.6	1601.6	1604.5
12.5°	1568.6	1570.0	1574.3	1587.3	1591.6
15°	1541.2	1545.6	1552.8	1568.6	1574.3
17.5°	1512.5	1518.2	1528.3	1547.0	1552.8
20°	1478.0	1485.2	1499.6	1519.7	1526.9
22.5°	1439.2	1446.4	1466.5	1488.1	1495.2
25°	1400.4	1409.0	1429.1	1453.5	1460.7
27.5°	1354.3	1365.8	1387.4	1411.9	1417.6
30°	1306.9	1317.0	1342.8	1365.8	1375.9
32.5°	1259.5	1269.5	1294.0	1317.0	1324.2
35°	1203.4	1217.8	1242.2	1263.8	1271.0
37.5°	1148.7	1161.7	1187.6	1209.1	1216.3
40°	1091.2	1102.7	1130.1	1150.2	1155.9
42.5°	1033.7	1045.2	1072.5	1088.4	1094.1
45°	973.3	986.3	1009.3	1026.5	1030.9
47.5°	913.0	923.0	944.6	960.4	966.2
50°	851.1	861.2	882.8	895.7	898.6
52.5°	789.3	796.5	816.6	828.1	832.4
55°	727.5	734.7	750.5	763.4	762.0
57.5°	668.5	671.4	687.2	695.9	695.9
60°	602.4	605.3	618.2	624.0	625.4
62.5°	540.6	544.9	555.0	556.4	556.4
65°	480.2	481.6	487.4	490.3	490.3
67.5°	419.8	418.4	424.1	424.1	422.7
70°	356.6	359.4	360.9	358.0	356.6
72.5°	299.0	297.6	297.6	296.2	296.2
75°	243.0	240.1	241.5	235.8	234.4
77.5°	191.2	186.9	185.5	182.6	179.7
80°	138.0	138.0	136.6	133.7	132.3
82.5°	92.0	92.0	90.6	87.7	84.8
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)