

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: P297201

Luminaire Tested: **D3X-WG-42L92765-LD5-UNV-24-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297201
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-42L92765-LD5-UNV-24-T1-W2A-4500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3591.0 lumens
Efficiency: N/A
Efficacy: 120.9 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

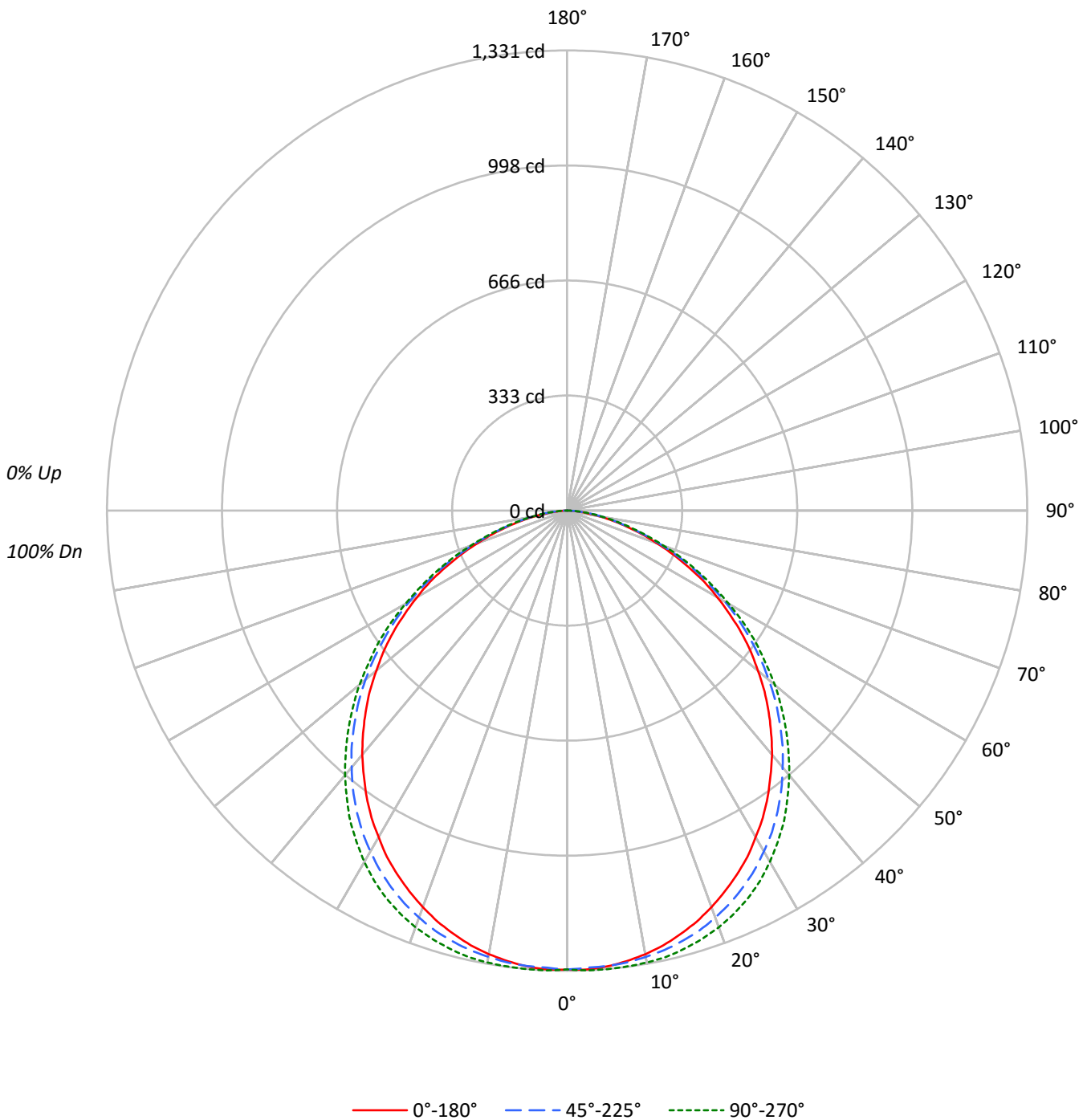
Input Watts (W): 29.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297201

CATALOG NUMBER: D3X-WG-42L92765-LD5-UNV-24-T1-W2A-4500K

Luminous Intensity Polar Plot





TEST NUMBER: P297201

CATALOG NUMBER: D3X-WG-42L92765-LD5-UNV-24-T1-W2A-4500K

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°	1786	1786	1786
5°	1788	1786	1798
10°	1780	1791	1814
15°	1767	1795	1828
20°	1748	1794	1836
25°	1724	1786	1837
30°	1695	1769	1823
35°	1661	1743	1798
40°	1620	1704	1756
45°	1569	1655	1704
50°	1508	1594	1643
55°	1442	1515	1563
60°	1350	1419	1454
65°	1233	1298	1331
70°	1083	1138	1169
75°	916	963	997
80°	728	797	817
85°	497	596	576



TEST NUMBER: P297201

CATALOG NUMBER: D3X-WG-42L92765-LD5-UNV-24-T1-W2A-4500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.1	3.5
10°-20°	364.2	10.1
20°-30°	553.4	15.4
30°-40°	660.4	18.4
40°-50°	666.9	18.6
50°-60°	574.6	16.0
60°-70°	400.6	11.2
70°-80°	198.5	5.5
80°-90°	46.3	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°	1043.7	29.1
0°-40°	1704.1	47.5
0°-60°	2945.6	82.0
0°-90°	3591.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3591.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1328	1328	1328	1328	1328	
5°	1324	1322	1322	1329	1331	126
15°	1268	1275	1289	1306	1312	358
25°	1162	1177	1203	1227	1238	535
35°	1011	1028	1061	1086	1095	632
45°	825	843	870	890	895	636
55°	615	628	646	661	666	548
65°	387	395	408	412	418	385
75°	176	179	185	189	192	190
85°	32	39	39	36	37	41
90°	0	0	0	0	0	



TEST NUMBER: P297201

CATALOG NUMBER: D3X-WG-42L92765-LD5-UNV-24-T1-W2A-4500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1327.5	1327.5	1327.5	1327.5	1327.5
2.5°	1328.8	1326.2	1323.7	1328.8	1331.4
5°	1323.7	1322.4	1322.4	1328.8	1331.4
7.5°	1314.7	1314.7	1318.5	1327.5	1330.1
10°	1303.1	1305.6	1310.8	1323.7	1327.5
12.5°	1287.6	1292.8	1301.8	1317.2	1322.4
15°	1268.3	1274.8	1288.9	1305.6	1312.1
17.5°	1246.5	1255.5	1273.5	1292.8	1299.2
20°	1220.7	1232.3	1252.9	1274.8	1282.5
22.5°	1192.4	1206.6	1229.8	1252.9	1261.9
25°	1161.6	1177.0	1202.7	1227.2	1237.5
27.5°	1129.4	1144.9	1173.2	1197.6	1207.9
30°	1090.8	1108.8	1138.4	1164.1	1173.2
32.5°	1053.5	1071.5	1102.4	1125.6	1134.6
35°	1011.1	1027.8	1061.2	1085.7	1094.7
37.5°	966.1	985.3	1017.5	1039.4	1047.1
40°	922.3	939.0	969.9	991.8	999.5
42.5°	873.4	891.4	922.3	941.6	948.0
45°	824.6	842.6	869.6	890.2	895.3
47.5°	774.4	791.1	818.1	834.8	840.0
50°	720.4	735.8	761.5	778.2	784.7
52.5°	668.9	683.1	704.9	719.1	722.9
55°	614.9	627.7	645.7	661.2	666.3
57.5°	557.0	571.1	587.9	600.7	604.6
60°	501.7	513.3	527.4	539.0	540.3
62.5°	447.7	452.8	465.7	476.0	477.2
65°	387.2	394.9	407.8	411.6	418.1
67.5°	331.9	337.0	347.3	352.5	357.6
70°	275.3	279.1	289.4	295.9	297.1
72.5°	226.4	227.7	235.4	240.5	241.8
75°	176.2	178.8	185.2	189.1	191.7
77.5°	133.8	136.4	141.5	144.1	144.1
80°	93.9	97.8	102.9	104.2	105.5
82.5°	60.5	65.6	69.5	70.7	68.2
85°	32.2	38.6	38.6	36.0	37.3
87.5°	11.6	14.1	15.4	16.7	16.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)