

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: P296925

Luminaire Tested: **D3X-WD-42L92765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296925
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-42L92765-LD5-UNV-24-T1-W2A-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3754.0 lumens
Efficiency: N/A
Efficacy: 123.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

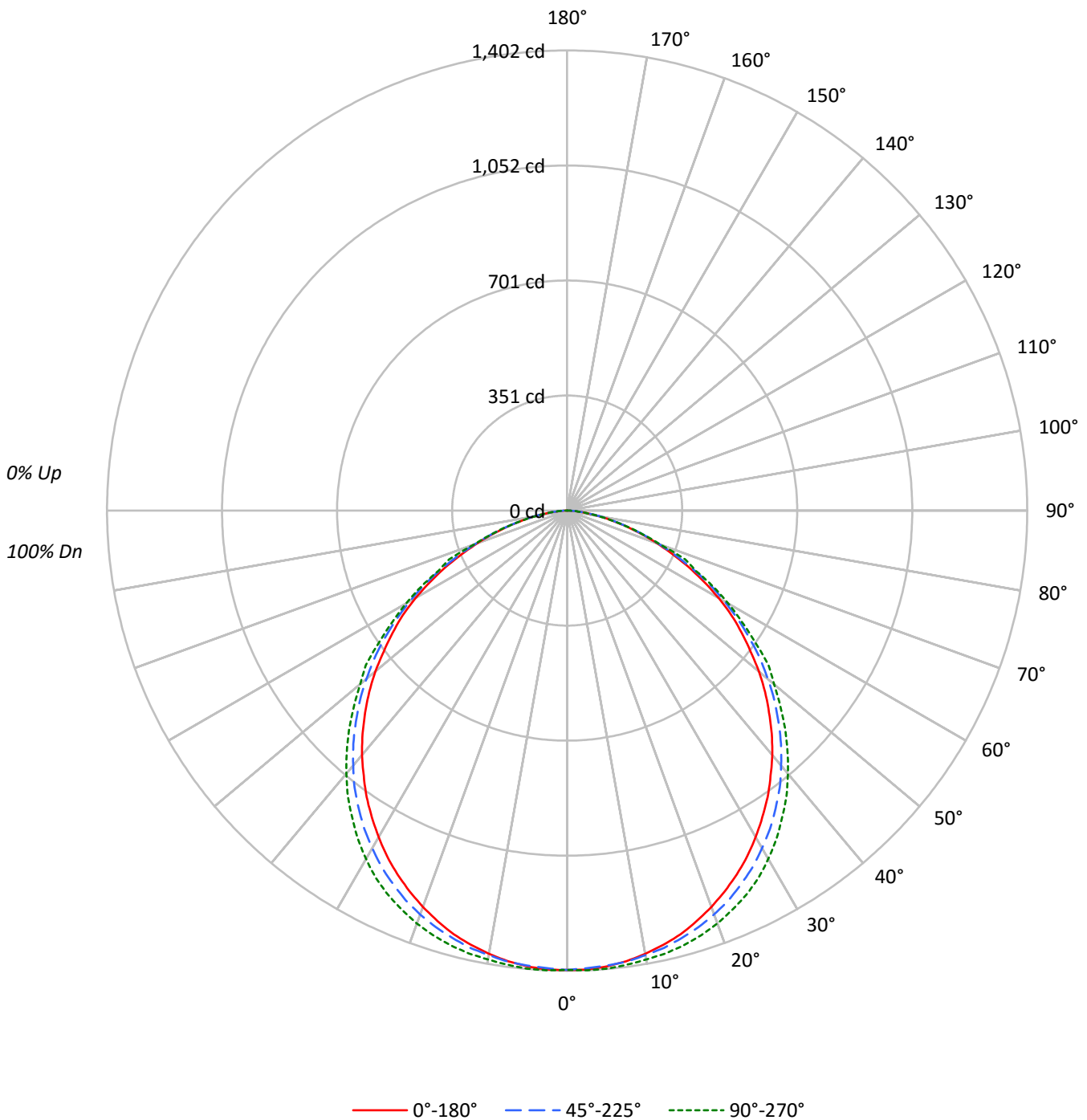
Input Watts (W): 30.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	96	98	95	93	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
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	48	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	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1883	1883	1883
5°	1883	1879	1892
10°	1873	1879	1897
15°	1861	1878	1910
20°	1840	1875	1917
25°	1816	1864	1918
30°	1785	1846	1904
35°	1750	1819	1876
40°	1708	1781	1838
45°	1656	1733	1786
50°	1596	1672	1723
55°	1523	1593	1640
60°	1435	1490	1526
65°	1304	1346	1372
70°	1144	1171	1187
75°	966	980	987
80°	773	783	762
85°	520	540	520



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.6	3.5
10°-20°	381.4	10.2
20°-30°	578.7	15.4
30°-40°	690.9	18.4
40°-50°	699.4	18.6
50°-60°	604.6	16.1
60°-70°	419.0	11.2
70°-80°	202.7	5.4
80°-90°	44.6	1.2
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°	1092.7	29.1
0°-40°	1783.6	47.5
0°-60°	3087.6	82.2
0°-90°	3754.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3754.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1400	1400	1400	1400	1400	
5°	1394	1393	1391	1398	1401	132
15°	1336	1339	1348	1364	1371	377
25°	1223	1231	1255	1281	1292	563
35°	1065	1075	1107	1136	1142	666
45°	870	882	910	933	939	671
55°	649	656	679	707	699	580
65°	410	414	423	430	431	405
75°	186	187	189	187	190	199
85°	34	36	35	34	34	44
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1399.5	1399.5	1399.5	1399.5	1399.5
2.5°	1399.5	1398.1	1395.4	1399.5	1402.2
5°	1394.1	1392.7	1391.4	1398.1	1400.8
7.5°	1384.6	1384.6	1386.0	1392.7	1395.4
10°	1371.2	1372.5	1375.2	1386.0	1388.7
12.5°	1355.0	1357.7	1364.4	1376.6	1382.0
15°	1336.2	1338.9	1348.3	1364.4	1371.2
17.5°	1311.9	1317.3	1330.8	1349.6	1356.4
20°	1285.0	1291.7	1309.2	1330.8	1338.9
22.5°	1255.3	1262.1	1285.0	1307.9	1316.0
25°	1223.0	1231.1	1255.3	1280.9	1291.7
27.5°	1188.0	1197.4	1224.4	1251.3	1262.1
30°	1148.9	1159.7	1188.0	1216.3	1225.7
32.5°	1107.2	1118.0	1150.3	1177.2	1186.6
35°	1065.4	1074.9	1107.2	1135.5	1142.2
37.5°	1018.3	1029.1	1064.1	1088.3	1097.8
40°	972.5	983.3	1014.2	1038.5	1046.6
42.5°	922.6	933.4	964.4	987.3	994.0
45°	870.1	882.2	910.5	933.4	938.8
47.5°	817.6	827.0	856.6	876.9	880.9
50°	762.4	771.8	798.7	818.9	823.0
52.5°	704.4	719.3	740.8	755.6	773.1
55°	649.2	656.0	678.9	707.1	699.1
57.5°	594.0	598.0	616.9	629.0	631.7
60°	533.4	538.8	553.6	560.3	567.1
62.5°	470.1	474.1	491.6	498.4	501.1
65°	409.5	413.5	422.9	429.7	431.0
67.5°	347.5	351.5	359.6	365.0	389.3
70°	290.9	293.6	297.7	308.4	301.7
72.5°	237.1	238.4	242.4	242.4	243.8
75°	185.9	187.2	188.6	187.2	189.9
77.5°	138.7	141.4	142.8	141.4	140.1
80°	99.7	102.4	101.0	98.3	98.3
82.5°	64.7	66.0	64.7	63.3	63.3
85°	33.7	36.4	35.0	33.7	33.7
87.5°	12.1	13.5	14.8	16.2	16.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)