

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: P297480

Luminaire Tested: **D3X-WO-42L92765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297480
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-42L92765-LD5-UNV-24-T1-W2A-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3722.0 lumens
Efficiency: N/A
Efficacy: 126.2 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

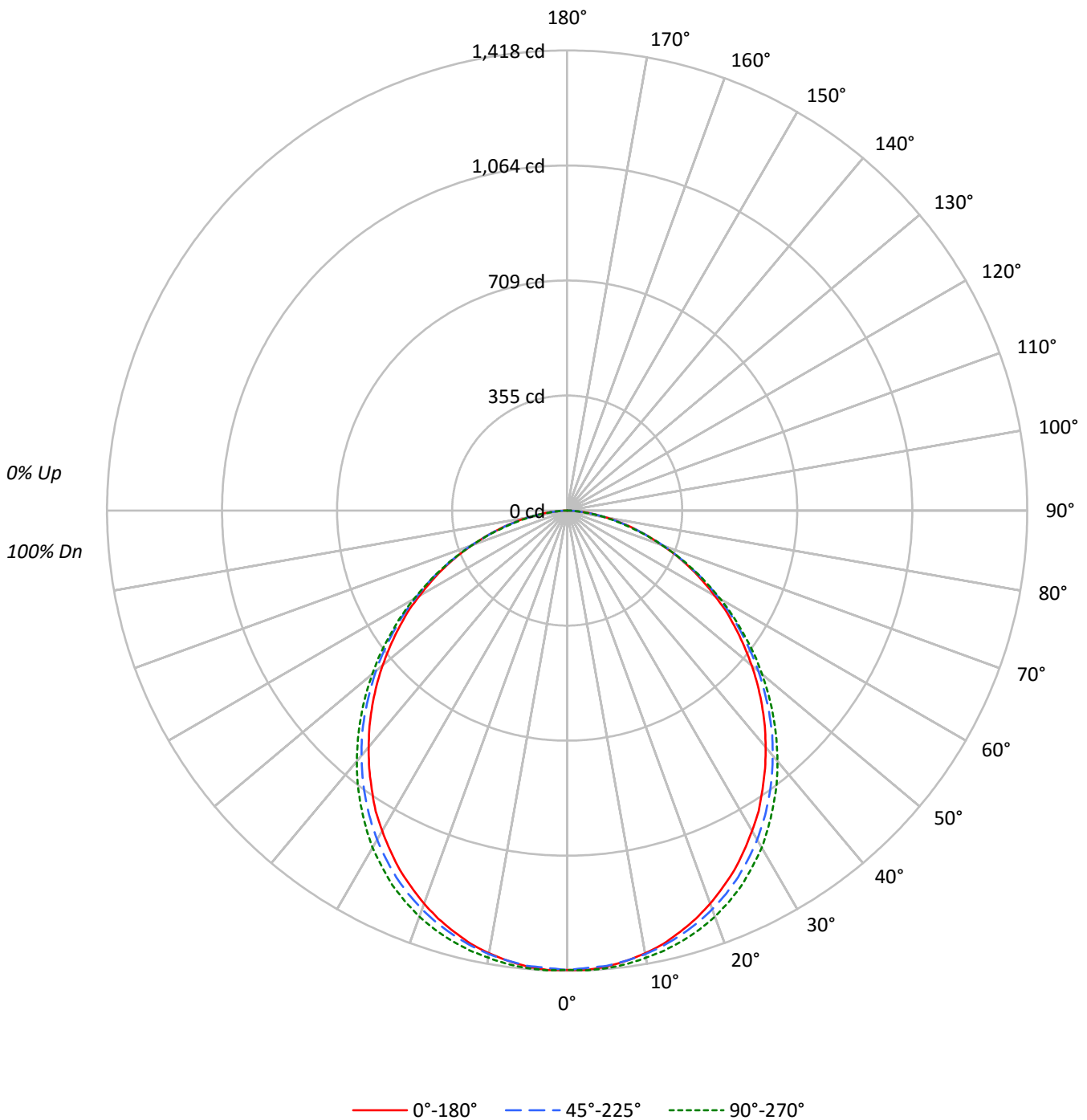
Input Watts (W): 29.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1905	1905	1905
5°	1905	1902	1912
10°	1893	1896	1912
15°	1872	1886	1912
20°	1845	1872	1906
25°	1813	1850	1891
30°	1771	1819	1864
35°	1724	1779	1821
40°	1671	1731	1771
45°	1615	1675	1711
50°	1554	1611	1640
55°	1488	1535	1559
60°	1414	1451	1468
65°	1333	1353	1361
70°	1223	1238	1223
75°	1102	1095	1063
80°	933	923	894
85°	696	678	601



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	134.0	3.6
10°-20°	382.9	10.3
20°-30°	574.0	15.4
30°-40°	676.0	18.2
40°-50°	676.1	18.2
50°-60°	583.4	15.7
60°-70°	419.8	11.3
70°-80°	222.7	6.0
80°-90°	53.1	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°	1090.9	29.3
0°-40°	1766.9	47.5
0°-60°	3026.4	81.3
0°-90°	3722.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3722.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1416	1416	1416	1416	1416	
5°	1410	1409	1408	1413	1416	134
15°	1344	1348	1354	1368	1373	379
25°	1221	1229	1246	1268	1274	562
35°	1049	1062	1083	1102	1108	657
45°	849	860	880	895	899	655
55°	634	641	654	666	664	568
65°	419	420	425	428	428	414
75°	212	209	211	206	204	225
85°	45	45	44	40	39	55
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1415.5	1415.5	1415.5	1415.5	1415.5
2.5°	1416.8	1414.3	1410.5	1415.5	1418.1
5°	1410.5	1409.3	1408.0	1413.0	1415.5
7.5°	1399.2	1400.5	1399.2	1406.8	1409.3
10°	1385.5	1386.7	1388.0	1396.7	1399.2
12.5°	1367.9	1369.2	1372.9	1384.2	1388.0
15°	1344.1	1347.8	1354.1	1367.9	1372.9
17.5°	1319.0	1324.0	1332.8	1349.1	1354.1
20°	1288.9	1295.2	1307.7	1325.3	1331.5
22.5°	1255.1	1261.3	1278.9	1297.7	1304.0
25°	1221.2	1228.7	1246.3	1267.6	1273.9
27.5°	1181.1	1191.1	1209.9	1231.2	1236.3
30°	1139.7	1148.5	1171.1	1191.1	1199.9
32.5°	1098.3	1107.1	1128.4	1148.5	1154.8
35°	1049.4	1062.0	1083.3	1102.1	1108.4
37.5°	1001.8	1013.1	1035.6	1054.4	1060.7
40°	951.6	961.7	985.5	1003.0	1008.1
42.5°	901.5	911.5	935.3	949.1	954.1
45°	848.8	860.1	880.2	895.2	899.0
47.5°	796.2	804.9	823.7	837.5	842.6
50°	742.3	751.0	769.8	781.1	783.6
52.5°	688.3	694.6	712.2	722.2	726.0
55°	634.4	640.7	654.5	665.8	664.5
57.5°	583.0	585.5	599.3	606.8	606.8
60°	525.3	527.9	539.1	544.2	545.4
62.5°	471.4	475.2	484.0	485.2	485.2
65°	418.8	420.0	425.0	427.5	427.5
67.5°	366.1	364.9	369.9	369.9	368.6
70°	310.9	313.5	314.7	312.2	310.9
72.5°	260.8	259.5	259.5	258.3	258.3
75°	211.9	209.4	210.6	205.6	204.4
77.5°	166.8	163.0	161.7	159.2	156.7
80°	120.4	120.4	119.1	116.6	115.4
82.5°	80.2	80.2	79.0	76.5	74.0
85°	45.1	45.1	43.9	40.1	38.9
87.5°	15.0	15.0	15.0	15.0	15.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)