

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: P297494

Luminaire Tested: **D3X-WO-45L92765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297494
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-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4315.0 lumens
Efficiency: N/A
Efficacy: 130.8 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

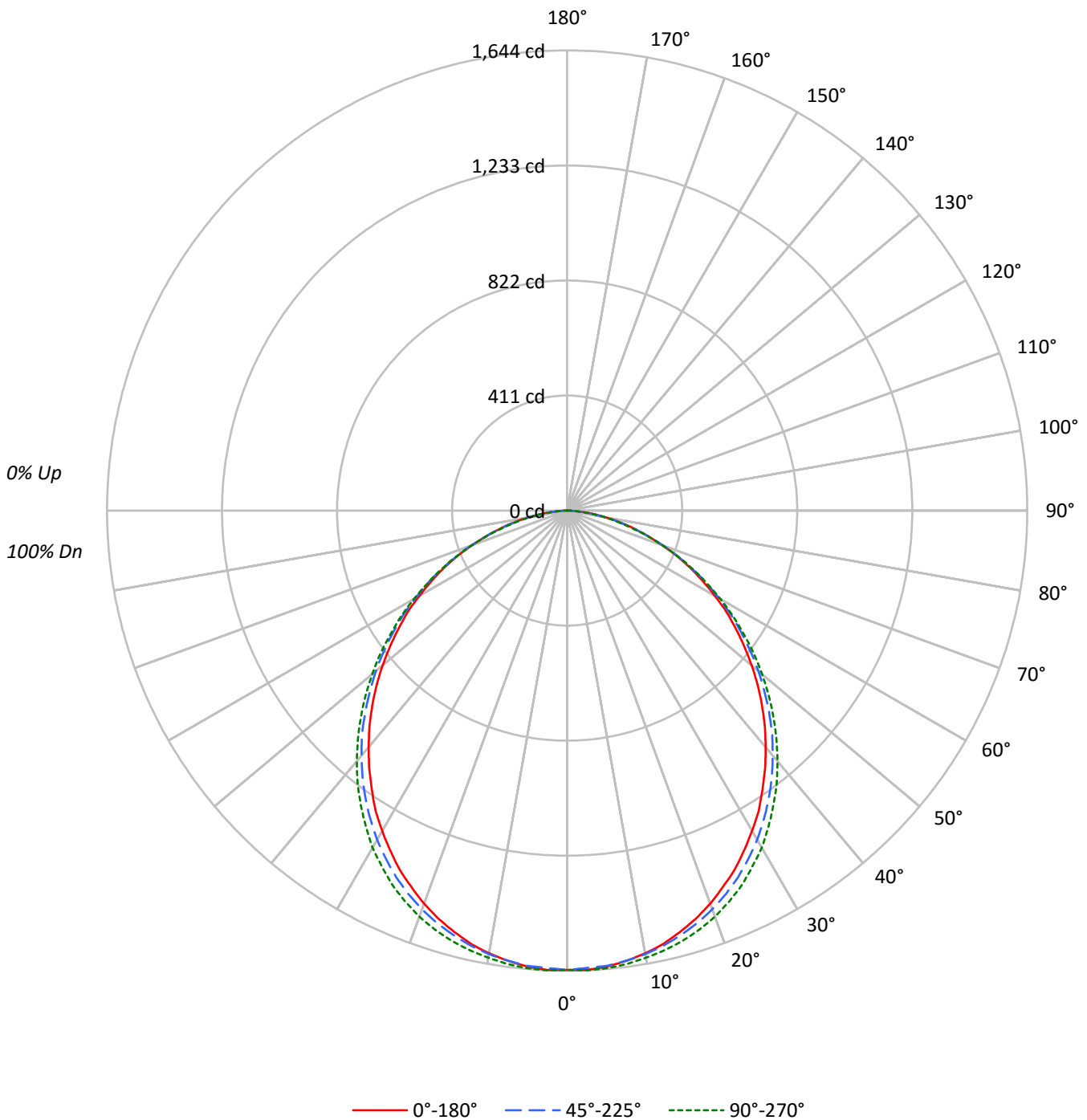
Input Watts (W): 33
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2208	2208	2208
5°	2209	2205	2217
10°	2194	2198	2216
15°	2170	2187	2217
20°	2140	2171	2210
25°	2102	2145	2192
30°	2053	2109	2161
35°	1998	2063	2111
40°	1938	2007	2053
45°	1873	1942	1983
50°	1801	1868	1902
55°	1725	1780	1807
60°	1639	1682	1702
65°	1546	1569	1578
70°	1418	1435	1418
75°	1277	1269	1232
80°	1081	1070	1036
85°	807	786	696



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.4	3.6
10°-20°	443.9	10.3
20°-30°	665.5	15.4
30°-40°	783.7	18.2
40°-50°	783.9	18.2
50°-60°	676.3	15.7
60°-70°	486.7	11.3
70°-80°	258.1	6.0
80°-90°	61.6	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°	1264.7	29.3
0°-40°	2048.5	47.5
0°-60°	3508.6	81.3
0°-90°	4315.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4315.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1641	1641	1641	1641	1641	
5°	1635	1634	1632	1638	1641	155
15°	1558	1563	1570	1586	1592	439
25°	1416	1424	1445	1470	1477	651
35°	1217	1231	1256	1278	1285	761
45°	984	997	1020	1038	1042	759
55°	736	743	759	772	770	658
65°	486	487	493	496	496	480
75°	246	243	244	238	237	261
85°	52	52	51	46	45	63
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1641.1	1641.1	1641.1	1641.1	1641.1
2.5°	1642.5	1639.6	1635.3	1641.1	1644.0
5°	1635.3	1633.8	1632.4	1638.2	1641.1
7.5°	1622.2	1623.6	1622.2	1630.9	1633.8
10°	1606.2	1607.6	1609.1	1619.3	1622.2
12.5°	1585.8	1587.3	1591.7	1604.7	1609.1
15°	1558.2	1562.6	1569.8	1585.8	1591.7
17.5°	1529.1	1535.0	1545.1	1564.0	1569.8
20°	1494.3	1501.5	1516.1	1536.4	1543.7
22.5°	1455.0	1462.3	1482.6	1504.4	1511.7
25°	1415.8	1424.5	1444.8	1469.6	1476.8
27.5°	1369.3	1380.9	1402.7	1427.4	1433.2
30°	1321.3	1331.5	1357.6	1380.9	1391.1
32.5°	1273.3	1283.5	1308.2	1331.5	1338.7
35°	1216.6	1231.2	1255.9	1277.7	1285.0
37.5°	1161.4	1174.5	1200.6	1222.4	1229.7
40°	1103.3	1114.9	1142.5	1162.9	1168.7
42.5°	1045.1	1056.7	1084.4	1100.3	1106.2
45°	984.1	997.1	1020.4	1037.8	1042.2
47.5°	923.0	933.2	955.0	971.0	976.8
50°	860.5	870.7	892.5	905.6	908.5
52.5°	798.0	805.3	825.6	837.3	841.6
55°	735.5	742.8	758.8	771.8	770.4
57.5°	675.9	678.8	694.8	703.5	703.5
60°	609.0	612.0	625.0	630.8	632.3
62.5°	546.5	550.9	561.1	562.5	562.5
65°	485.5	486.9	492.8	495.7	495.7
67.5°	424.4	423.0	428.8	428.8	427.3
70°	360.5	363.4	364.8	361.9	360.5
72.5°	302.3	300.9	300.9	299.4	299.4
75°	245.7	242.7	244.2	238.4	236.9
77.5°	193.3	189.0	187.5	184.6	181.7
80°	139.5	139.5	138.1	135.2	133.7
82.5°	93.0	93.0	91.6	88.7	85.8
85°	52.3	52.3	50.9	46.5	45.1
87.5°	17.4	17.4	17.4	17.4	17.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)