

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: P297487

Luminaire Tested: **D3X-WO-45L92765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297487
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-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3705.0 lumens
Efficiency: N/A
Efficacy: 118.8 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

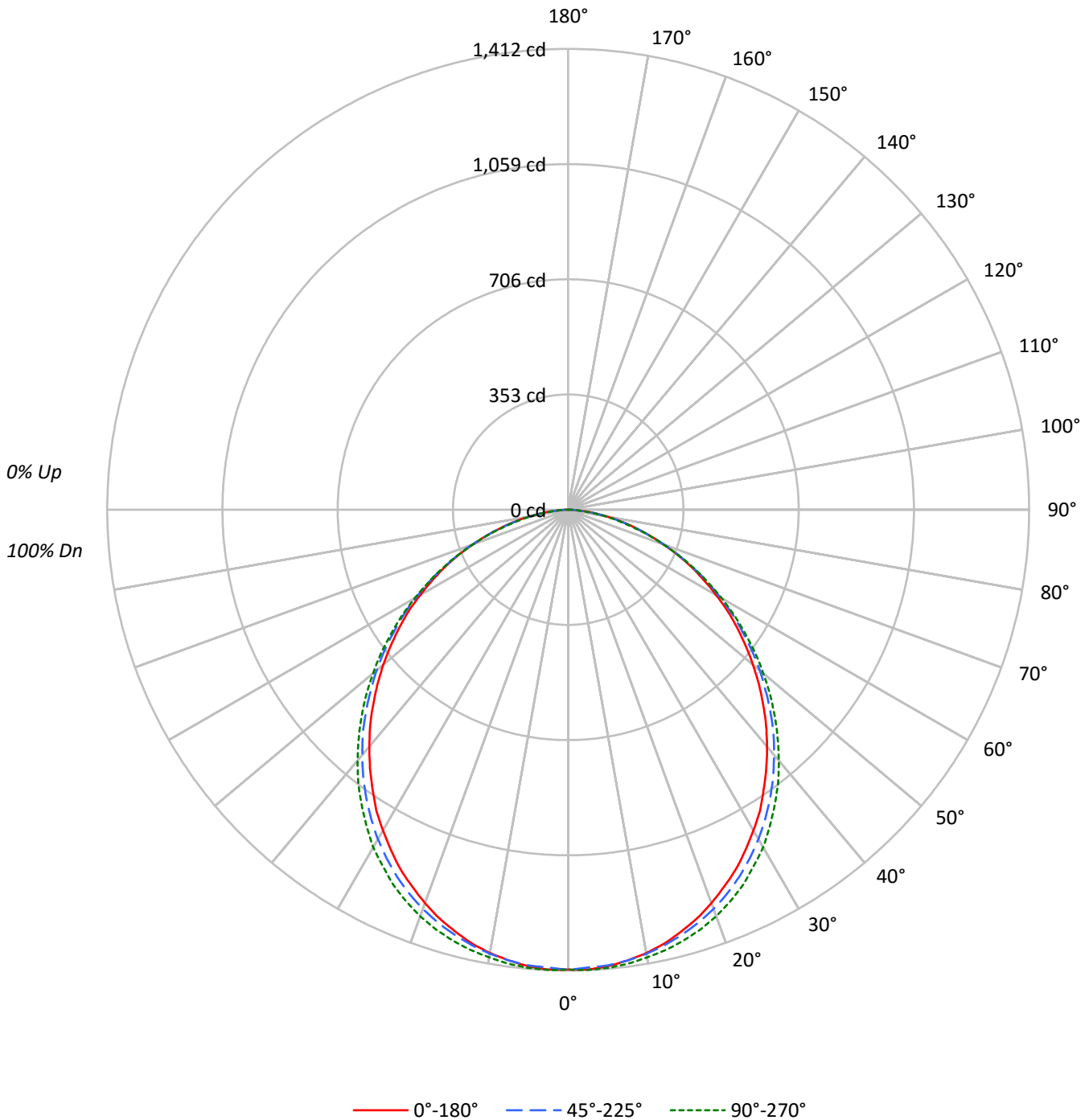
Input Watts (W): 31.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	109	105	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60					60			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52					52			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	41	39					39			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1896	1896	1896
5°	1896	1893	1903
10°	1884	1888	1903
15°	1864	1878	1904
20°	1837	1864	1898
25°	1805	1842	1882
30°	1763	1811	1856
35°	1716	1771	1812
40°	1664	1723	1763
45°	1608	1667	1703
50°	1547	1604	1633
55°	1481	1528	1552
60°	1407	1444	1461
65°	1327	1347	1355
70°	1218	1233	1218
75°	1096	1090	1057
80°	928	919	890
85°	693	675	597



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.4	3.6
10°-20°	381.1	10.3
20°-30°	571.4	15.4
30°-40°	672.9	18.2
40°-50°	673.1	18.2
50°-60°	580.7	15.7
60°-70°	417.9	11.3
70°-80°	221.7	6.0
80°-90°	52.9	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°	1085.9	29.3
0°-40°	1758.9	47.5
0°-60°	3012.6	81.3
0°-90°	3705.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3705.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1409	1409	1409	1409	1409	
5°	1404	1403	1402	1407	1409	133
15°	1338	1342	1348	1362	1367	377
25°	1216	1223	1241	1262	1268	559
35°	1045	1057	1078	1097	1103	654
45°	845	856	876	891	895	652
55°	632	638	652	663	662	565
65°	417	418	423	426	426	412
75°	211	208	210	205	203	224
85°	45	45	44	40	39	54
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1409.1	1409.1	1409.1	1409.1	1409.1
2.5°	1410.3	1407.8	1404.1	1409.1	1411.6
5°	1404.1	1402.8	1401.6	1406.6	1409.1
7.5°	1392.9	1394.1	1392.9	1400.3	1402.8
10°	1379.1	1380.4	1381.6	1390.4	1392.9
12.5°	1361.7	1362.9	1366.6	1377.9	1381.6
15°	1337.9	1341.7	1347.9	1361.7	1366.6
17.5°	1313.0	1318.0	1326.7	1342.9	1347.9
20°	1283.0	1289.3	1301.7	1319.2	1325.5
22.5°	1249.3	1255.6	1273.0	1291.8	1298.0
25°	1215.6	1223.1	1240.6	1261.8	1268.0
27.5°	1175.7	1185.7	1204.4	1225.6	1230.6
30°	1134.5	1143.2	1165.7	1185.7	1194.4
32.5°	1093.3	1102.1	1123.3	1143.2	1149.5
35°	1044.6	1057.1	1078.3	1097.1	1103.3
37.5°	997.2	1008.4	1030.9	1049.6	1055.9
40°	947.3	957.3	981.0	998.5	1003.5
42.5°	897.4	907.4	931.1	944.8	949.8
45°	844.9	856.2	876.2	891.1	894.9
47.5°	792.5	801.3	820.0	833.7	838.7
50°	738.9	747.6	766.3	777.6	780.0
52.5°	685.2	691.4	708.9	718.9	722.6
55°	631.5	637.8	651.5	662.7	661.5
57.5°	580.4	582.9	596.6	604.1	604.1
60°	522.9	525.4	536.7	541.7	542.9
62.5°	469.3	473.0	481.8	483.0	483.0
65°	416.9	418.1	423.1	425.6	425.6
67.5°	364.4	363.2	368.2	368.2	366.9
70°	309.5	312.0	313.3	310.8	309.5
72.5°	259.6	258.4	258.4	257.1	257.1
75°	210.9	208.4	209.7	204.7	203.4
77.5°	166.0	162.3	161.0	158.5	156.0
80°	119.8	119.8	118.6	116.1	114.8
82.5°	79.9	79.9	78.6	76.1	73.6
85°	44.9	44.9	43.7	39.9	38.7
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)