

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: P297498

Luminaire Tested: **D3X-WO-50L92765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297498
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-50L92765-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: 4408.0 lumens
Efficiency: N/A
Efficacy: 124.9 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

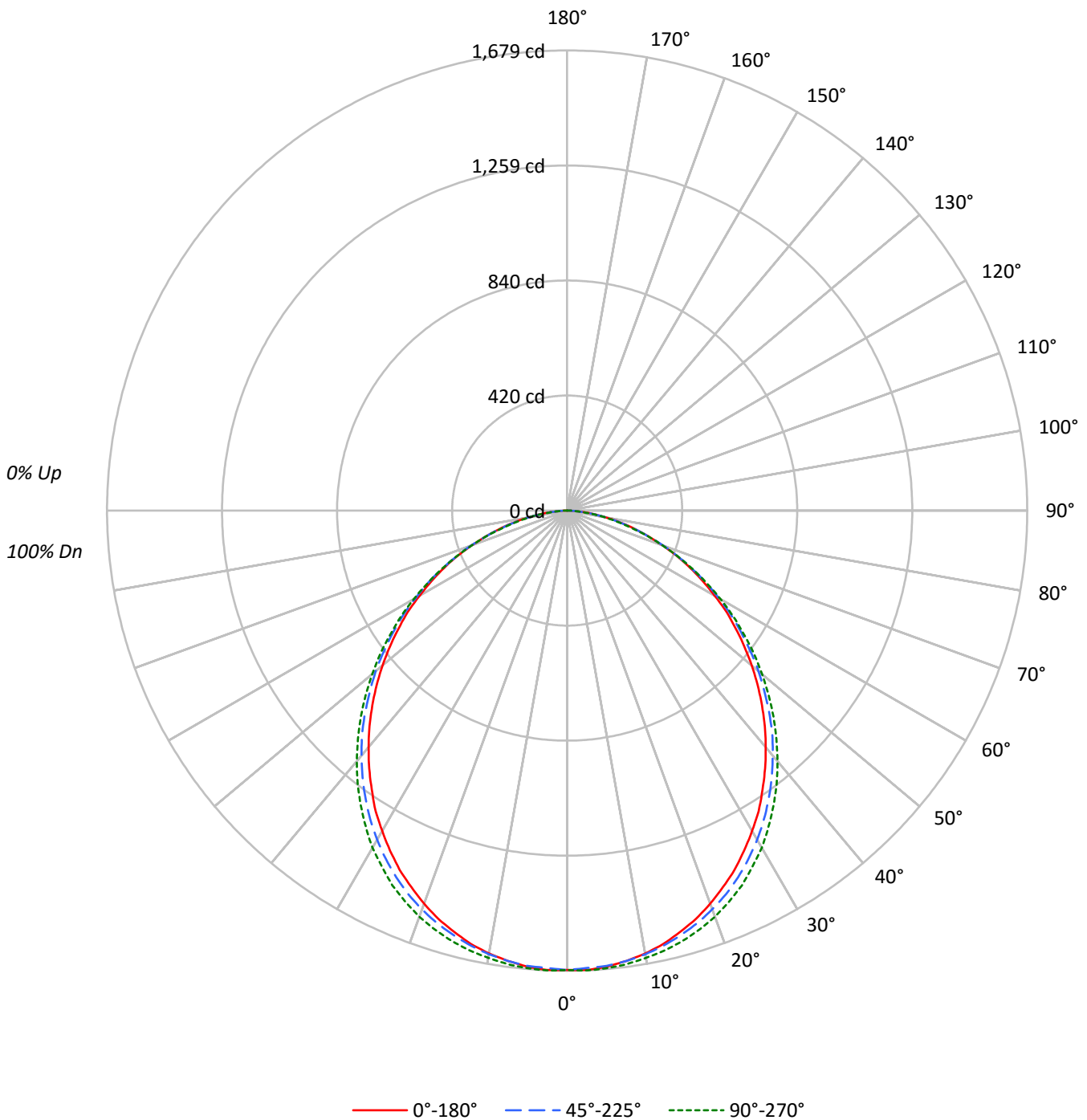
Input Watts (W): 35.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2256	2256	2256
5°	2256	2252	2264
10°	2242	2246	2264
15°	2217	2234	2265
20°	2186	2217	2258
25°	2147	2191	2240
30°	2097	2155	2208
35°	2042	2107	2156
40°	1979	2050	2097
45°	1913	1983	2026
50°	1840	1908	1943
55°	1763	1818	1846
60°	1674	1718	1738
65°	1579	1603	1612
70°	1449	1466	1449
75°	1304	1297	1258
80°	1104	1093	1058
85°	826	803	710



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	158.7	3.6
10°-20°	453.4	10.3
20°-30°	679.8	15.4
30°-40°	800.6	18.2
40°-50°	800.7	18.2
50°-60°	690.9	15.7
60°-70°	497.1	11.3
70°-80°	263.7	6.0
80°-90°	62.9	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°	1292.0	29.3
0°-40°	2092.6	47.5
0°-60°	3584.2	81.3
0°-90°	4408.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4408.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1676	1676	1676	1676	1676	
5°	1670	1669	1668	1674	1676	158
15°	1592	1596	1604	1620	1626	449
25°	1446	1455	1476	1501	1509	665
35°	1243	1258	1283	1305	1313	778
45°	1005	1019	1042	1060	1065	775
55°	751	759	775	788	787	672
65°	496	497	503	506	506	491
75°	251	248	250	244	242	267
85°	54	54	52	48	46	65
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1676.4	1676.4	1676.4	1676.4	1676.4
2.5°	1677.9	1675.0	1670.5	1676.4	1679.4
5°	1670.5	1669.0	1667.5	1673.5	1676.4
7.5°	1657.1	1658.6	1657.1	1666.0	1669.0
10°	1640.8	1642.3	1643.8	1654.2	1657.1
12.5°	1620.0	1621.5	1626.0	1639.3	1643.8
15°	1591.8	1596.3	1603.7	1620.0	1626.0
17.5°	1562.1	1568.0	1578.4	1597.7	1603.7
20°	1526.5	1533.9	1548.7	1569.5	1577.0
22.5°	1486.4	1493.8	1514.6	1536.9	1544.3
25°	1446.3	1455.2	1476.0	1501.2	1508.7
27.5°	1398.8	1410.6	1432.9	1458.2	1464.1
30°	1349.8	1360.2	1386.9	1410.6	1421.0
32.5°	1300.8	1311.2	1336.4	1360.2	1367.6
35°	1242.9	1257.7	1282.9	1305.2	1312.6
37.5°	1186.4	1199.8	1226.5	1248.8	1256.2
40°	1127.0	1138.9	1167.1	1187.9	1193.9
42.5°	1067.6	1079.5	1107.7	1124.1	1130.0
45°	1005.3	1018.6	1042.4	1060.2	1064.7
47.5°	942.9	953.3	975.6	991.9	997.8
50°	879.1	889.5	911.7	925.1	928.1
52.5°	815.2	822.6	843.4	855.3	859.8
55°	751.4	758.8	775.1	788.5	787.0
57.5°	690.5	693.4	709.8	718.7	718.7
60°	622.2	625.1	638.5	644.4	645.9
62.5°	558.3	562.8	573.2	574.7	574.7
65°	496.0	497.4	503.4	506.3	506.3
67.5°	433.6	432.1	438.0	438.0	436.6
70°	368.3	371.2	372.7	369.7	368.3
72.5°	308.9	307.4	307.4	305.9	305.9
75°	250.9	248.0	249.5	243.5	242.0
77.5°	197.5	193.0	191.6	188.6	185.6
80°	142.5	142.5	141.1	138.1	136.6
82.5°	95.0	95.0	93.5	90.6	87.6
85°	53.5	53.5	52.0	47.5	46.0
87.5°	17.8	17.8	17.8	17.8	17.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)