

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: P297500

Luminaire Tested: **D3X-WO-50L92765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297500
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-5000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4614.0 lumens
Efficiency: N/A
Efficacy: 128.9 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

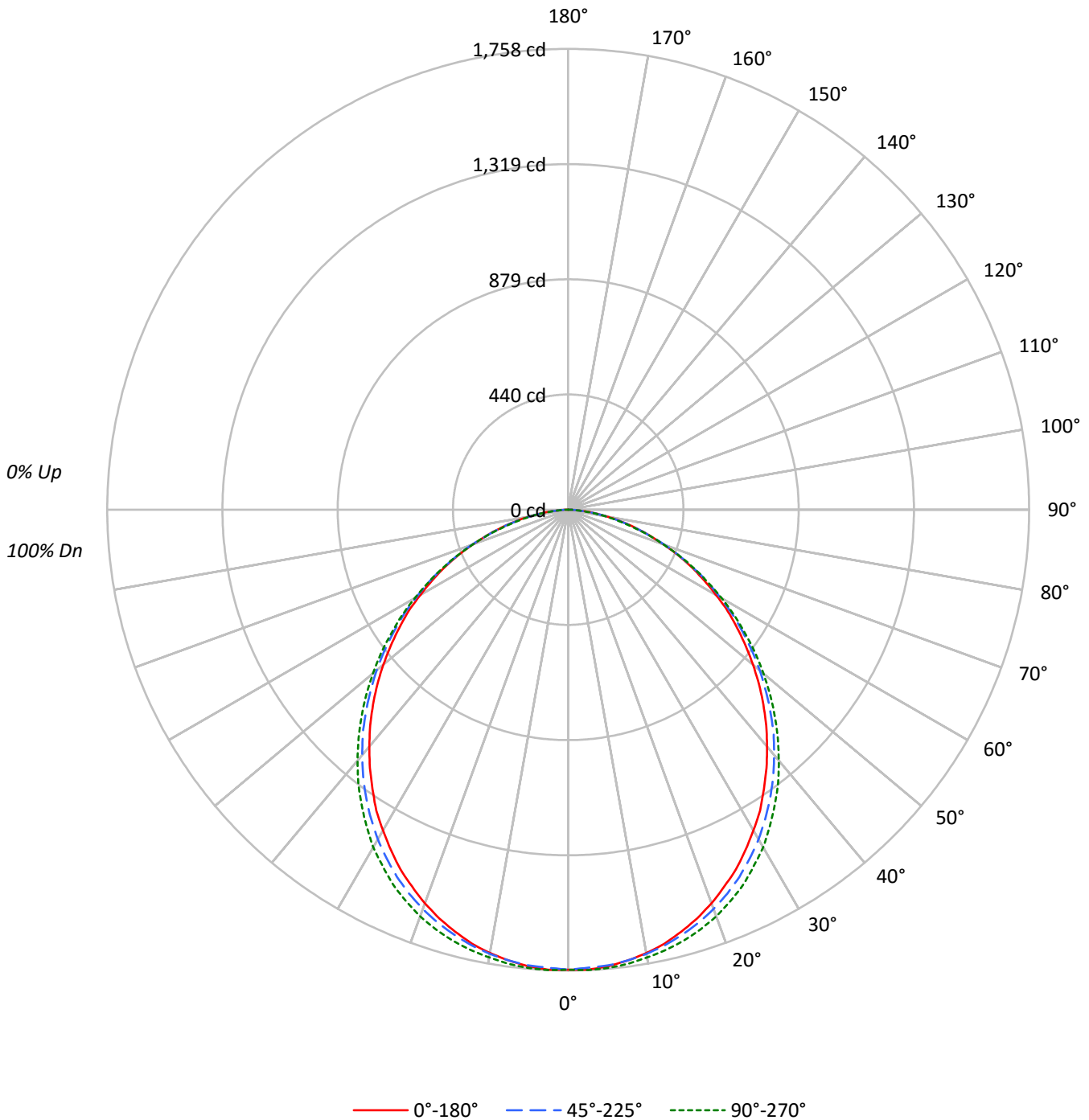
Input Watts (W): 35.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2361	2361	2361
5°	2362	2358	2370
10°	2347	2351	2370
15°	2321	2338	2371
20°	2288	2321	2364
25°	2248	2294	2344
30°	2195	2255	2311
35°	2137	2206	2257
40°	2072	2146	2195
45°	2002	2076	2120
50°	1926	1998	2033
55°	1845	1903	1932
60°	1752	1798	1819
65°	1653	1677	1687
70°	1517	1535	1517
75°	1366	1357	1317
80°	1156	1144	1108
85°	865	840	744



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.1	3.6
10°-20°	474.6	10.3
20°-30°	711.6	15.4
30°-40°	838.0	18.2
40°-50°	838.2	18.2
50°-60°	723.2	15.7
60°-70°	520.4	11.3
70°-80°	276.0	6.0
80°-90°	65.8	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°	1352.4	29.3
0°-40°	2190.4	47.5
0°-60°	3751.8	81.3
0°-90°	4614.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4614.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1755	1755	1755	1755	1755	
5°	1749	1747	1746	1752	1755	166
15°	1666	1671	1679	1696	1702	470
25°	1514	1523	1545	1571	1579	696
35°	1301	1316	1343	1366	1374	814
45°	1052	1066	1091	1110	1114	812
55°	786	794	811	825	824	704
65°	519	521	527	530	530	513
75°	263	260	261	255	253	279
85°	56	56	54	50	48	68
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1754.8	1754.8	1754.8	1754.8	1754.8
2.5°	1756.3	1753.2	1748.6	1754.8	1757.9
5°	1748.6	1747.0	1745.5	1751.7	1754.8
7.5°	1734.6	1736.1	1734.6	1743.9	1747.0
10°	1717.5	1719.0	1720.6	1731.5	1734.6
12.5°	1695.7	1697.3	1701.9	1715.9	1720.6
15°	1666.2	1670.9	1678.6	1695.7	1701.9
17.5°	1635.1	1641.3	1652.2	1672.4	1678.6
20°	1597.8	1605.6	1621.1	1642.9	1650.7
22.5°	1555.8	1563.6	1585.4	1608.7	1616.5
25°	1513.9	1523.2	1545.0	1571.4	1579.2
27.5°	1464.1	1476.6	1499.9	1526.3	1532.5
30°	1412.8	1423.7	1451.7	1476.6	1487.5
32.5°	1361.6	1372.4	1398.9	1423.7	1431.5
35°	1300.9	1316.5	1342.9	1366.2	1374.0
37.5°	1241.9	1255.9	1283.8	1307.2	1314.9
40°	1179.7	1192.1	1221.7	1243.4	1249.6
42.5°	1117.5	1130.0	1159.5	1176.6	1182.8
45°	1052.3	1066.2	1091.1	1109.8	1114.4
47.5°	987.0	997.9	1021.2	1038.3	1044.5
50°	920.1	931.0	954.3	968.3	971.4
52.5°	853.3	861.1	882.8	895.3	899.9
55°	786.5	794.2	811.3	825.3	823.8
57.5°	722.7	725.9	742.9	752.3	752.3
60°	651.2	654.4	668.3	674.6	676.1
62.5°	584.4	589.1	600.0	601.5	601.5
65°	519.1	520.7	526.9	530.0	530.0
67.5°	453.9	452.3	458.5	458.5	457.0
70°	385.5	388.6	390.1	387.0	385.5
72.5°	323.3	321.7	321.7	320.2	320.2
75°	262.7	259.6	261.1	254.9	253.3
77.5°	206.7	202.1	200.5	197.4	194.3
80°	149.2	149.2	147.7	144.5	143.0
82.5°	99.5	99.5	97.9	94.8	91.7
85°	56.0	56.0	54.4	49.7	48.2
87.5°	18.7	18.7	18.7	18.7	18.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)