

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: P296954

Luminaire Tested: **D3X-WD-60L92765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296954
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-60L92765-LD5-UNV-24-T1-W2A-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4608.0 lumens
Efficiency: N/A
Efficacy: 107.4 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

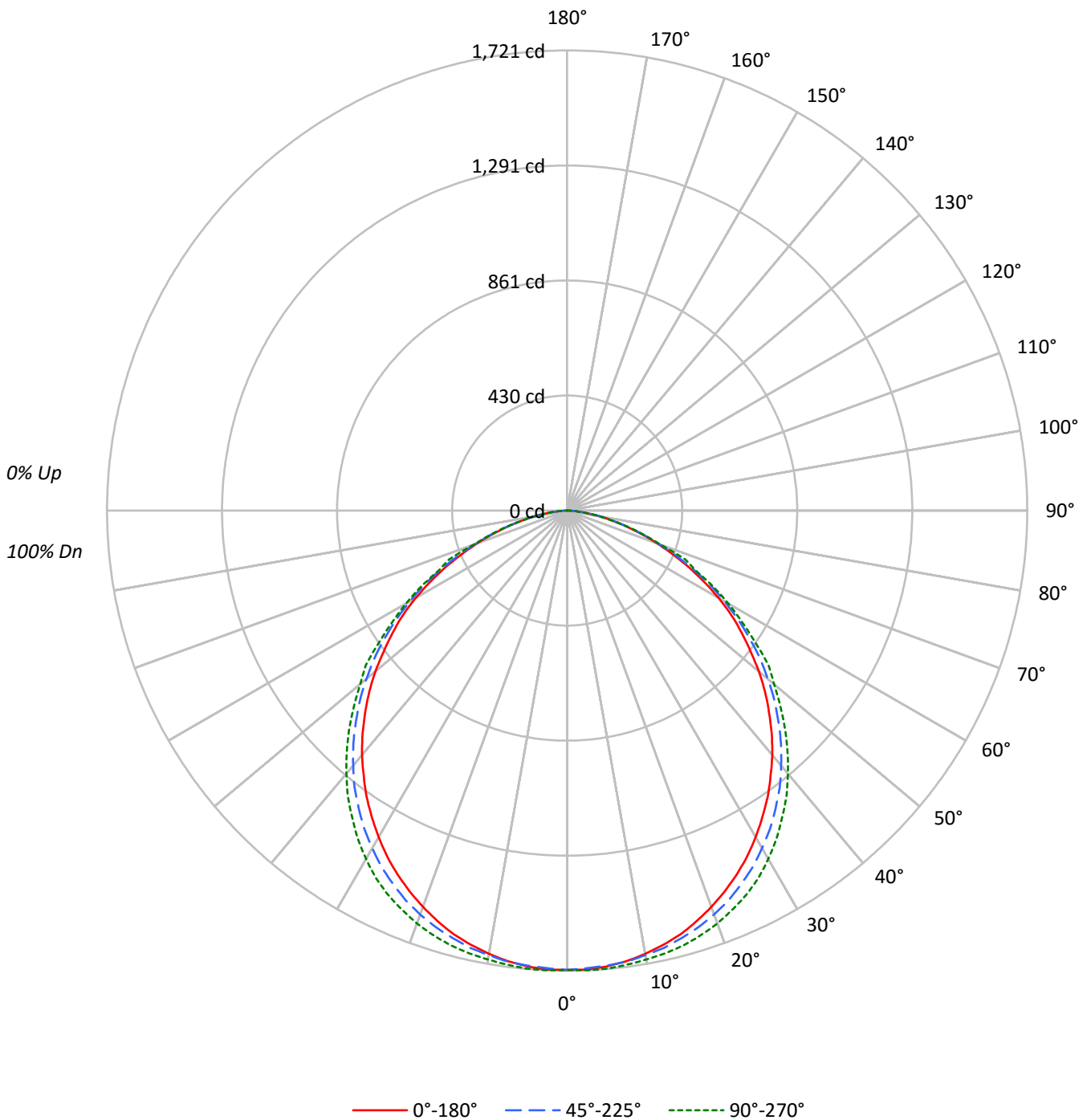
Input Watts (W): 42.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	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	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	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°	2311	2311	2311
5°	2311	2307	2322
10°	2300	2306	2329
15°	2285	2305	2344
20°	2258	2301	2353
25°	2229	2288	2354
30°	2191	2266	2337
35°	2148	2232	2303
40°	2097	2187	2256
45°	2032	2127	2193
50°	1959	2052	2115
55°	1869	1955	2013
60°	1762	1829	1873
65°	1600	1653	1684
70°	1405	1437	1457
75°	1186	1203	1212
80°	948	961	935
85°	638	664	638



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	162.8	3.5
10°-20°	468.2	10.2
20°-30°	710.3	15.4
30°-40°	848.1	18.4
40°-50°	858.6	18.6
50°-60°	742.1	16.1
60°-70°	514.4	11.2
70°-80°	248.9	5.4
80°-90°	54.7	1.2
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°	1341.3	29.1
0°-40°	2189.4	47.5
0°-60°	3790.1	82.2
0°-90°	4608.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4608.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1718	1718	1718	1718	1718	
5°	1711	1710	1708	1716	1720	162
15°	1640	1643	1655	1675	1683	462
25°	1501	1511	1541	1572	1586	691
35°	1308	1319	1359	1394	1402	817
45°	1068	1083	1118	1146	1152	824
55°	797	805	833	868	858	712
65°	503	508	519	527	529	497
75°	228	230	232	230	233	245
85°	41	45	43	41	41	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1717.8	1717.8	1717.8	1717.8	1717.8
2.5°	1717.8	1716.2	1712.9	1717.8	1721.1
5°	1711.2	1709.6	1707.9	1716.2	1719.5
7.5°	1699.6	1699.6	1701.3	1709.6	1712.9
10°	1683.1	1684.8	1688.1	1701.3	1704.6
12.5°	1663.3	1666.6	1674.8	1689.7	1696.3
15°	1640.1	1643.4	1655.0	1674.8	1683.1
17.5°	1610.4	1617.0	1633.5	1656.7	1664.9
20°	1577.3	1585.6	1607.1	1633.5	1643.4
22.5°	1540.9	1549.2	1577.3	1605.4	1615.3
25°	1501.2	1511.2	1540.9	1572.3	1585.6
27.5°	1458.3	1469.8	1502.9	1536.0	1549.2
30°	1410.3	1423.5	1458.3	1493.0	1504.5
32.5°	1359.1	1372.3	1412.0	1445.0	1456.6
35°	1307.8	1319.4	1359.1	1393.8	1402.0
37.5°	1249.9	1263.2	1306.1	1335.9	1347.5
40°	1193.7	1206.9	1245.0	1274.7	1284.7
42.5°	1132.5	1145.8	1183.8	1211.9	1220.2
45°	1068.1	1082.9	1117.7	1145.8	1152.4
47.5°	1003.6	1015.2	1051.5	1076.3	1081.3
50°	935.8	947.4	980.4	1005.2	1010.2
52.5°	864.7	882.9	909.3	927.5	949.0
55°	796.9	805.2	833.3	868.0	858.1
57.5°	729.1	734.1	757.2	772.1	775.4
60°	654.7	661.3	679.5	687.8	696.1
62.5°	577.0	582.0	603.5	611.7	615.0
65°	502.6	507.6	519.2	527.4	529.1
67.5°	426.6	431.5	441.4	448.1	477.8
70°	357.1	360.4	365.4	378.6	370.4
72.5°	291.0	292.6	297.6	297.6	299.3
75°	228.2	229.8	231.5	229.8	233.1
77.5°	170.3	173.6	175.3	173.6	171.9
80°	122.3	125.7	124.0	120.7	120.7
82.5°	79.4	81.0	79.4	77.7	77.7
85°	41.3	44.6	43.0	41.3	41.3
87.5°	14.9	16.5	18.2	19.8	19.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)