

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: P297176

Luminaire Tested: **D3X-WG-80L93050-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297176
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-80L93050-LD5-UNV-24-T1-W2A-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6961.0 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

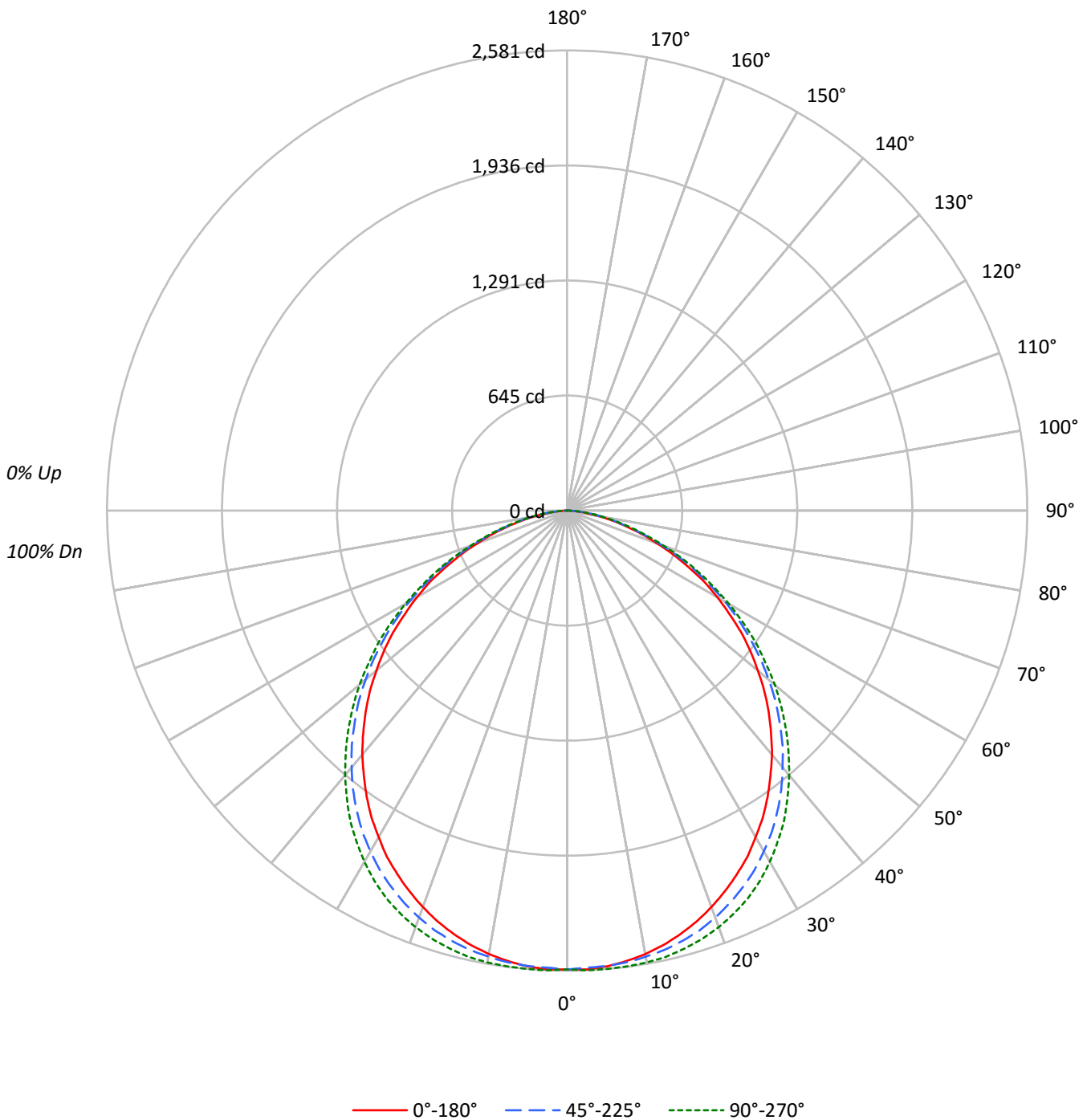
Input Watts (W): 62.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297176

CATALOG NUMBER: D3X-WG-80L93050-LD5-UNV-24-T1-W2A-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P297176

CATALOG NUMBER: D3X-WG-80L93050-LD5-UNV-24-T1-W2A-4000K

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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
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	47	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	27	38	32	27	37	31	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3462	3462	3462
5°	3466	3462	3486
10°	3451	3471	3516
15°	3425	3480	3543
20°	3388	3478	3560
25°	3343	3461	3561
30°	3285	3429	3533
35°	3219	3379	3485
40°	3140	3302	3403
45°	3041	3207	3302
50°	2923	3090	3184
55°	2796	2936	3030
60°	2617	2751	2818
65°	2390	2517	2580
70°	2099	2207	2266
75°	1776	1867	1931
80°	1410	1546	1585
85°	962	1155	1116



TEST NUMBER: P297176

CATALOG NUMBER: D3X-WG-80L93050-LD5-UNV-24-T1-W2A-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	244.5	3.5
10°-20°	705.9	10.1
20°-30°	1072.8	15.4
30°-40°	1280.1	18.4
40°-50°	1292.8	18.6
50°-60°	1113.9	16.0
60°-70°	776.5	11.2
70°-80°	384.8	5.5
80°-90°	89.7	1.3
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°	2023.2	29.1
0°-40°	3303.3	47.5
0°-60°	5710.0	82.0
0°-90°	6961.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	6961.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2573	2573	2573	2573	2573	
5°	2566	2563	2563	2576	2581	244
15°	2459	2471	2498	2531	2543	693
25°	2252	2282	2332	2379	2399	1037
35°	1960	1992	2057	2104	2122	1225
45°	1598	1633	1686	1726	1736	1232
55°	1192	1217	1252	1282	1292	1062
65°	751	766	790	798	810	745
75°	342	347	359	367	372	368
85°	62	75	75	70	72	80
90°	0	0	0	0	0	



TEST NUMBER: P297176

CATALOG NUMBER: D3X-WG-80L93050-LD5-UNV-24-T1-W2A-4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2573.3	2573.3	2573.3	2573.3	2573.3
2.5°	2575.8	2570.8	2565.9	2575.8	2580.8
5°	2565.9	2563.4	2563.4	2575.8	2580.8
7.5°	2548.4	2548.4	2555.9	2573.3	2578.3
10°	2526.0	2530.9	2540.9	2565.9	2573.3
12.5°	2496.0	2506.0	2523.5	2553.4	2563.4
15°	2458.6	2471.1	2498.5	2530.9	2543.4
17.5°	2416.2	2433.7	2468.6	2506.0	2518.5
20°	2366.4	2388.8	2428.7	2471.1	2486.1
22.5°	2311.5	2338.9	2383.8	2428.7	2446.2
25°	2251.7	2281.6	2331.5	2378.8	2398.8
27.5°	2189.3	2219.3	2274.1	2321.5	2341.4
30°	2114.5	2149.4	2206.8	2256.7	2274.1
32.5°	2042.2	2077.1	2137.0	2181.8	2199.3
35°	1959.9	1992.3	2057.2	2104.5	2122.0
37.5°	1872.6	1910.1	1972.4	2014.8	2029.7
40°	1787.9	1820.3	1880.1	1922.5	1937.5
42.5°	1693.1	1728.0	1787.9	1825.3	1837.7
45°	1598.4	1633.3	1685.6	1725.5	1735.5
47.5°	1501.1	1533.5	1585.9	1618.3	1628.3
50°	1396.4	1426.3	1476.2	1508.6	1521.1
52.5°	1296.6	1324.1	1366.5	1393.9	1401.4
55°	1191.9	1216.8	1251.8	1281.7	1291.7
57.5°	1079.7	1107.1	1139.5	1164.5	1172.0
60°	972.5	994.9	1022.4	1044.8	1047.3
62.5°	867.8	877.7	902.7	922.6	925.1
65°	750.6	765.5	790.5	797.9	810.4
67.5°	643.3	653.3	673.3	683.2	693.2
70°	533.6	541.1	561.0	573.5	576.0
72.5°	438.9	441.4	456.3	466.3	468.8
75°	341.6	346.6	359.1	366.6	371.5
77.5°	259.3	264.3	274.3	279.3	279.3
80°	182.0	189.5	199.5	202.0	204.5
82.5°	117.2	127.2	134.7	137.1	132.2
85°	62.3	74.8	74.8	69.8	72.3
87.5°	22.4	27.4	29.9	32.4	32.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)