

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: P296880

Luminaire Tested: **D3X-WD-60L93050-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296880
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-60L93050-LD5-UNV-24-T1-W2A-3500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4807.0 lumens
Efficiency: N/A
Efficacy: 109.0 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

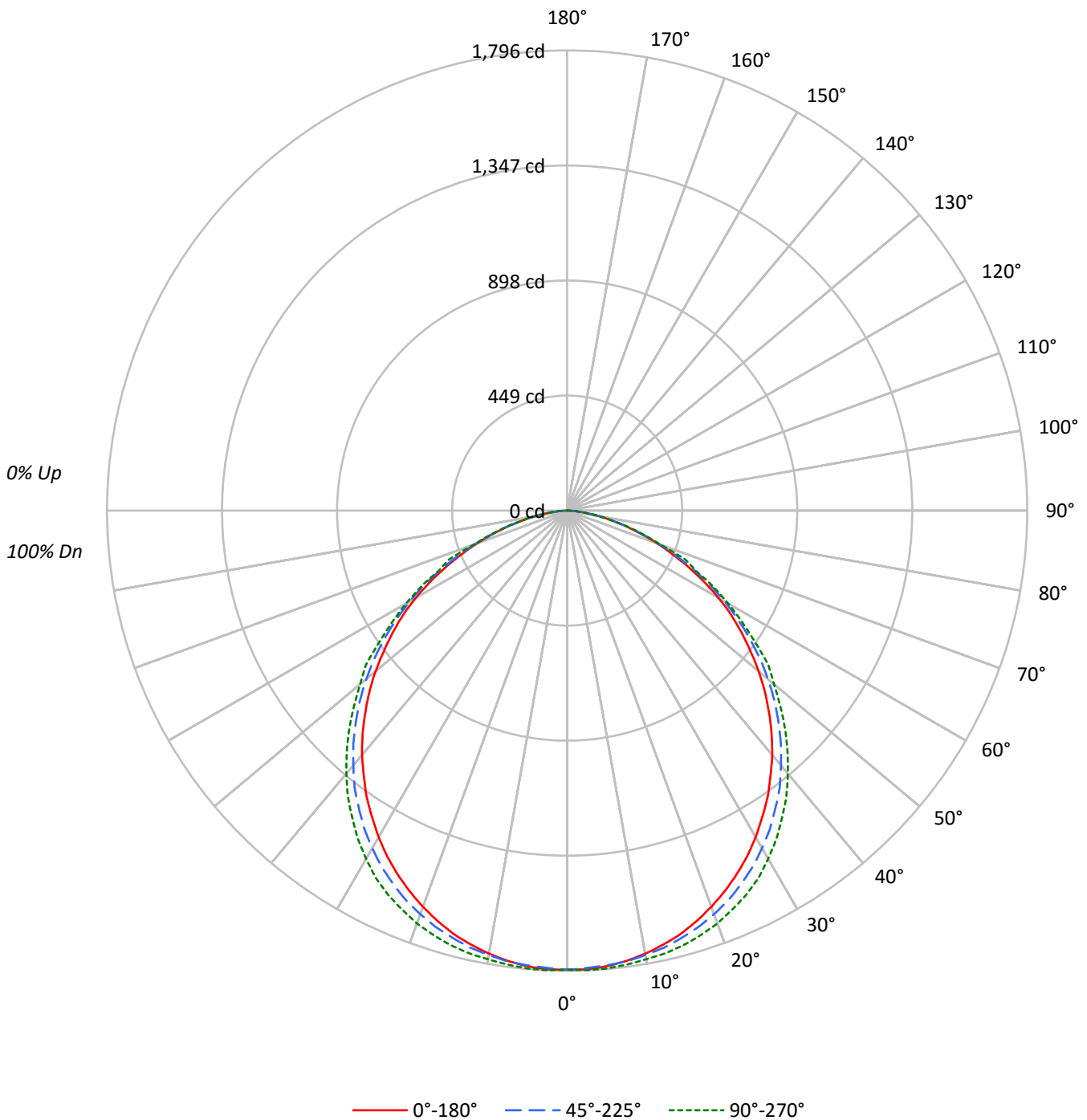
Input Watts (W): 44.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2411	2411	2411
5°	2411	2406	2423
10°	2399	2406	2429
15°	2383	2405	2446
20°	2356	2400	2455
25°	2325	2386	2456
30°	2286	2363	2438
35°	2241	2329	2402
40°	2187	2281	2354
45°	2120	2218	2288
50°	2043	2141	2206
55°	1950	2039	2100
60°	1838	1908	1954
65°	1669	1724	1757
70°	1465	1500	1520
75°	1237	1255	1264
80°	989	1003	976
85°	665	692	665



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.8	3.5
10°-20°	488.4	10.2
20°-30°	741.0	15.4
30°-40°	884.7	18.4
40°-50°	895.6	18.6
50°-60°	774.2	16.1
60°-70°	536.6	11.2
70°-80°	259.6	5.4
80°-90°	57.1	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°	1399.2	29.1
0°-40°	2283.9	47.5
0°-60°	3953.7	82.2
0°-90°	4807.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4807.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1792	1792	1792	1792	1792	
5°	1785	1783	1782	1790	1794	169
15°	1711	1714	1726	1747	1756	482
25°	1566	1576	1608	1640	1654	721
35°	1364	1376	1418	1454	1463	852
45°	1114	1130	1166	1195	1202	859
55°	831	840	869	906	895	743
65°	524	530	542	550	552	519
75°	238	240	242	240	243	255
85°	43	47	45	43	43	56
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1792.0	1792.0	1792.0	1792.0	1792.0
2.5°	1792.0	1790.3	1786.8	1792.0	1795.5
5°	1785.1	1783.4	1781.7	1790.3	1793.7
7.5°	1773.0	1773.0	1774.8	1783.4	1786.8
10°	1755.8	1757.5	1761.0	1774.8	1778.2
12.5°	1735.1	1738.5	1747.2	1762.7	1769.6
15°	1711.0	1714.4	1726.5	1747.2	1755.8
17.5°	1679.9	1686.8	1704.1	1728.2	1736.8
20°	1645.4	1654.0	1676.5	1704.1	1714.4
22.5°	1607.5	1616.1	1645.4	1674.7	1685.1
25°	1566.1	1576.4	1607.5	1640.2	1654.0
27.5°	1521.2	1533.3	1567.8	1602.3	1616.1
30°	1471.2	1485.0	1521.2	1557.4	1569.5
32.5°	1417.7	1431.5	1472.9	1507.4	1519.5
35°	1364.3	1376.4	1417.7	1454.0	1462.6
37.5°	1303.9	1317.7	1362.6	1393.6	1405.7
40°	1245.3	1259.1	1298.7	1329.8	1340.1
42.5°	1181.5	1195.3	1234.9	1264.2	1272.9
45°	1114.2	1129.7	1165.9	1195.3	1202.2
47.5°	1046.9	1059.0	1096.9	1122.8	1128.0
50°	976.2	988.3	1022.8	1048.6	1053.8
52.5°	902.0	921.0	948.6	967.6	990.0
55°	831.3	840.0	869.3	905.5	895.1
57.5°	760.6	765.8	789.9	805.5	808.9
60°	683.0	689.9	708.9	717.5	726.1
62.5°	601.9	607.1	629.5	638.2	641.6
65°	524.3	529.5	541.6	550.2	551.9
67.5°	445.0	450.2	460.5	467.4	498.5
70°	372.5	376.0	381.2	395.0	386.3
72.5°	303.6	305.3	310.5	310.5	312.2
75°	238.0	239.7	241.5	239.7	243.2
77.5°	177.6	181.1	182.8	181.1	179.4
80°	127.6	131.1	129.4	125.9	125.9
82.5°	82.8	84.5	82.8	81.1	81.1
85°	43.1	46.6	44.8	43.1	43.1
87.5°	15.5	17.2	19.0	20.7	20.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)