

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: P297160

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297160
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-60L93050-LD5-UNV-24-T1-W2A-3500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4815.0 lumens
Efficiency: N/A
Efficacy: 109.2 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

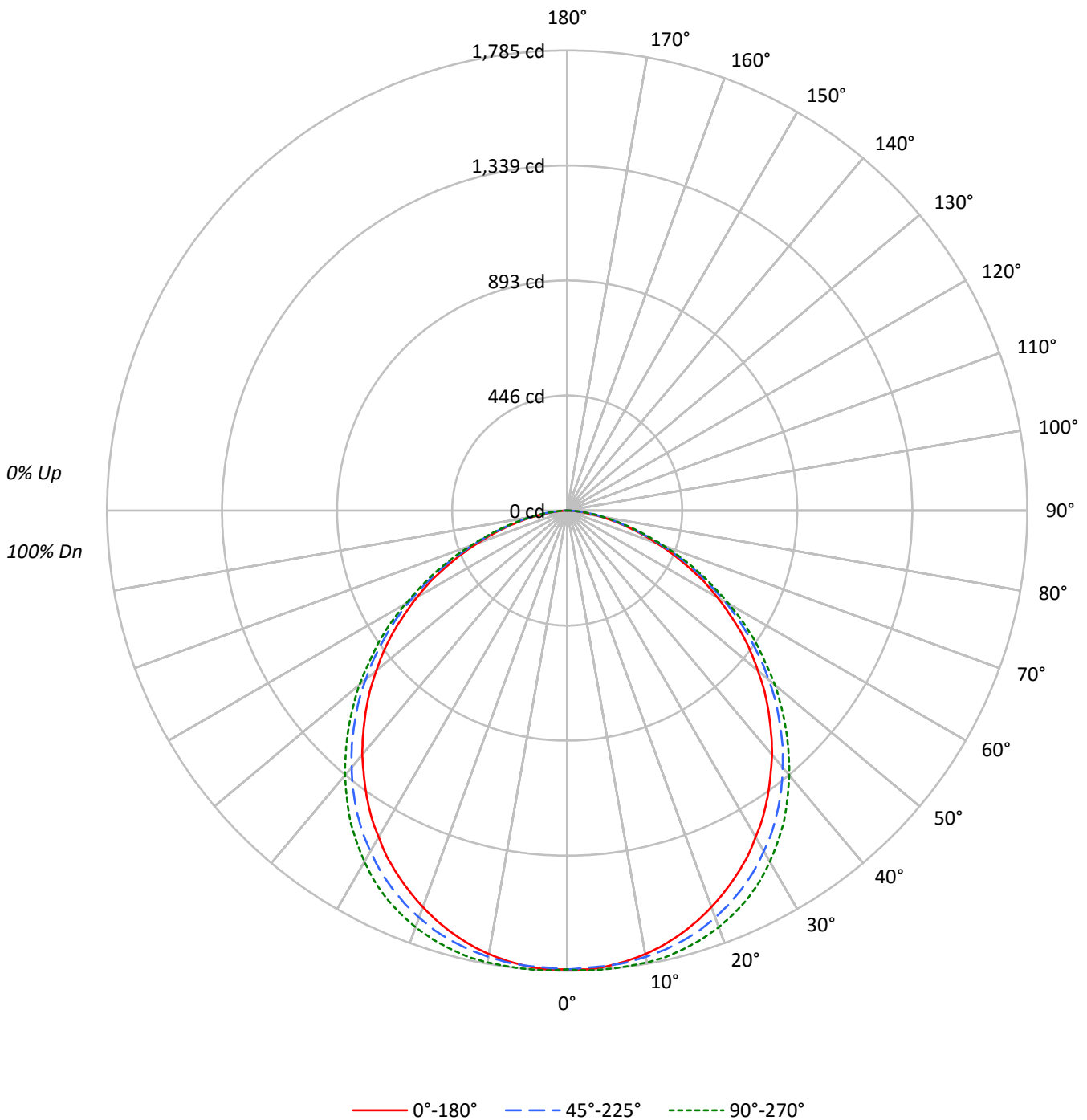
Input Watts (W): 44.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297160

CATALOG NUMBER: D3X-WG-60L93050-LD5-UNV-24-T1-W2A-3500K

Luminous Intensity Polar Plot





TEST NUMBER: P297160

CATALOG NUMBER: D3X-WG-60L93050-LD5-UNV-24-T1-W2A-3500K

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°	2395	2395	2395
5°	2397	2395	2411
10°	2387	2401	2432
15°	2369	2407	2451
20°	2344	2405	2462
25°	2312	2394	2463
30°	2272	2372	2444
35°	2227	2337	2411
40°	2172	2284	2354
45°	2104	2219	2284
50°	2022	2137	2202
55°	1934	2031	2096
60°	1810	1903	1949
65°	1653	1741	1785
70°	1452	1527	1567
75°	1228	1291	1336
80°	976	1069	1096
85°	665	798	772



TEST NUMBER: P297160

CATALOG NUMBER: D3X-WG-60L93050-LD5-UNV-24-T1-W2A-3500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	169.1	3.5
10°-20°	488.3	10.1
20°-30°	742.1	15.4
30°-40°	885.4	18.4
40°-50°	894.3	18.6
50°-60°	770.5	16.0
60°-70°	537.1	11.2
70°-80°	266.2	5.5
80°-90°	62.1	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°	1399.5	29.1
0°-40°	2284.9	47.5
0°-60°	3949.7	82.0
0°-90°	4815.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4815.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1780	1780	1780	1780	1780	
5°	1775	1773	1773	1782	1785	169
15°	1701	1709	1728	1751	1759	480
25°	1558	1578	1613	1646	1659	717
35°	1356	1378	1423	1456	1468	847
45°	1106	1130	1166	1194	1200	852
55°	824	842	866	887	894	735
65°	519	530	547	552	561	516
75°	236	240	248	254	257	255
85°	43	52	52	48	50	55
90°	0	0	0	0	0	



TEST NUMBER: P297160

CATALOG NUMBER: D3X-WG-60L93050-LD5-UNV-24-T1-W2A-3500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1780.0	1780.0	1780.0	1780.0	1780.0
2.5°	1781.7	1778.3	1774.8	1781.7	1785.2
5°	1774.8	1773.1	1773.1	1781.7	1785.2
7.5°	1762.8	1762.8	1767.9	1780.0	1783.5
10°	1747.2	1750.7	1757.6	1774.8	1780.0
12.5°	1726.5	1733.4	1745.5	1766.2	1773.1
15°	1700.7	1709.3	1728.3	1750.7	1759.3
17.5°	1671.3	1683.4	1707.6	1733.4	1742.1
20°	1636.8	1652.4	1680.0	1709.3	1719.6
22.5°	1598.9	1617.9	1648.9	1680.0	1692.0
25°	1557.5	1578.2	1612.7	1645.5	1659.3
27.5°	1514.4	1535.1	1573.0	1605.8	1619.6
30°	1462.6	1486.8	1526.5	1561.0	1573.0
32.5°	1412.6	1436.8	1478.2	1509.2	1521.3
35°	1355.7	1378.1	1423.0	1455.7	1467.8
37.5°	1295.3	1321.2	1364.3	1393.6	1404.0
40°	1236.7	1259.1	1300.5	1329.8	1340.2
42.5°	1171.1	1195.3	1236.7	1262.6	1271.2
45°	1105.6	1129.8	1166.0	1193.6	1200.5
47.5°	1038.3	1060.8	1097.0	1119.4	1126.3
50°	965.9	986.6	1021.1	1043.5	1052.1
52.5°	896.9	915.9	945.2	964.2	969.3
55°	824.5	841.7	865.9	886.6	893.5
57.5°	746.8	765.8	788.2	805.5	810.7
60°	672.7	688.2	707.2	722.7	724.4
62.5°	600.2	607.1	624.4	638.2	639.9
65°	519.2	529.5	546.8	551.9	560.6
67.5°	445.0	451.9	465.7	472.6	479.5
70°	369.1	374.3	388.1	396.7	398.4
72.5°	303.6	305.3	315.6	322.5	324.3
75°	236.3	239.7	248.4	253.5	257.0
77.5°	179.4	182.8	189.7	193.2	193.2
80°	125.9	131.1	138.0	139.7	141.4
82.5°	81.1	88.0	93.1	94.9	91.4
85°	43.1	51.7	51.7	48.3	50.0
87.5°	15.5	19.0	20.7	22.4	22.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)