

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: P297514

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297514
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-60L92765-LD5-UNV-24-T1-W2A-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4909.0 lumens
Efficiency: N/A
Efficacy: 114.4 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

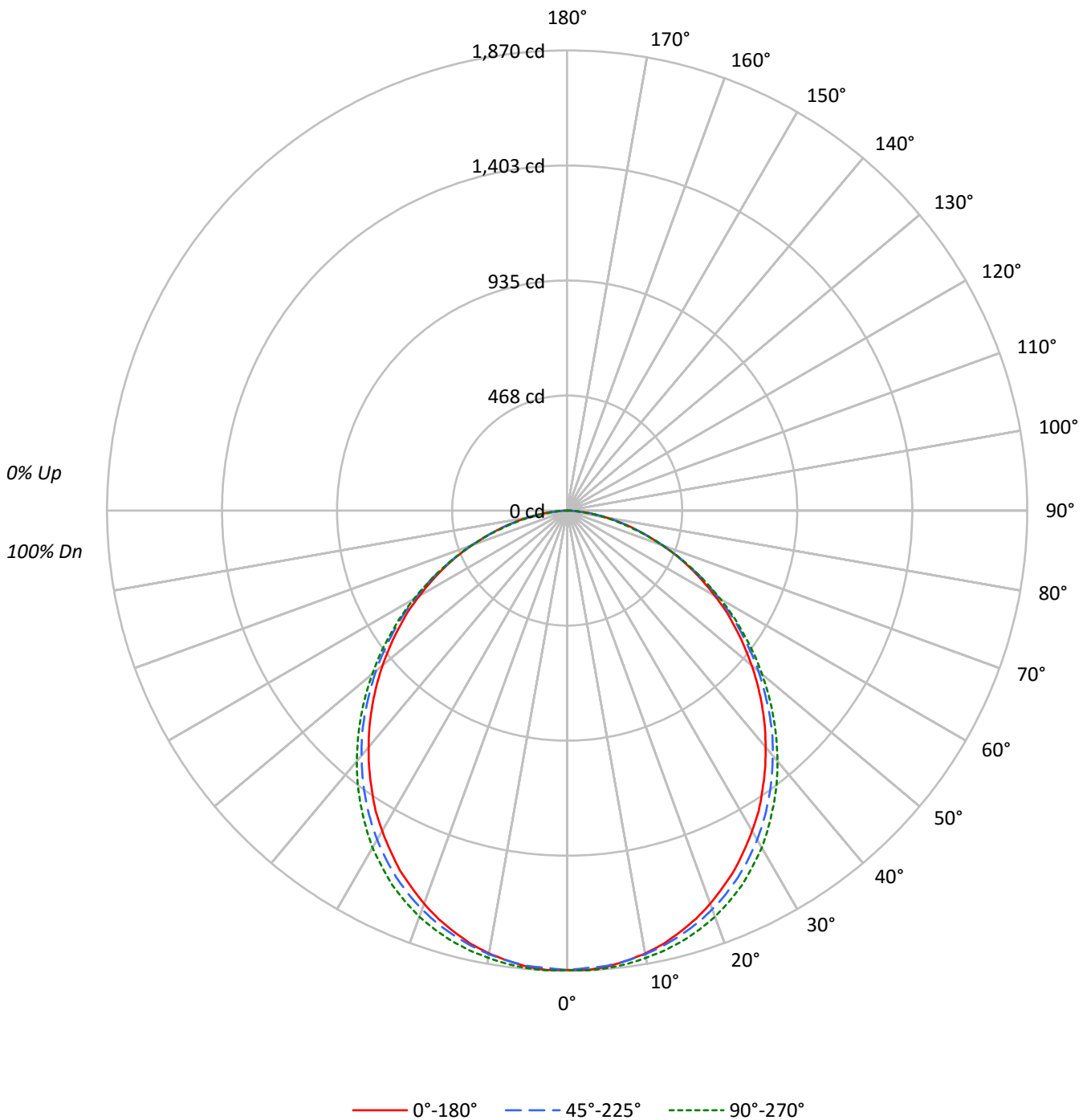
Input Watts (W): 42.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2512	2512	2512
5°	2513	2508	2522
10°	2497	2501	2521
15°	2469	2488	2522
20°	2434	2470	2515
25°	2391	2440	2494
30°	2335	2400	2459
35°	2273	2347	2401
40°	2204	2283	2335
45°	2130	2209	2256
50°	2049	2125	2163
55°	1963	2025	2056
60°	1865	1914	1936
65°	1758	1785	1795
70°	1613	1633	1613
75°	1453	1444	1401
80°	1230	1217	1179
85°	919	894	792



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	176.8	3.6
10°-20°	505.0	10.3
20°-30°	757.1	15.4
30°-40°	891.6	18.2
40°-50°	891.8	18.2
50°-60°	769.4	15.7
60°-70°	553.7	11.3
70°-80°	293.7	6.0
80°-90°	70.0	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°	1438.8	29.3
0°-40°	2330.4	47.5
0°-60°	3991.6	81.3
0°-90°	4909.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4909.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1867	1867	1867	1867	1867	
5°	1860	1859	1857	1864	1867	176
15°	1773	1778	1786	1804	1811	500
25°	1611	1621	1644	1672	1680	741
35°	1384	1401	1429	1454	1462	866
45°	1120	1134	1161	1181	1186	864
55°	837	845	863	878	876	749
65°	552	554	561	564	564	546
75°	280	276	278	271	270	297
85°	60	60	58	53	51	72
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1867.0	1867.0	1867.0	1867.0	1867.0
2.5°	1868.6	1865.3	1860.4	1867.0	1870.3
5°	1860.4	1858.7	1857.1	1863.7	1867.0
7.5°	1845.5	1847.1	1845.5	1855.4	1858.7
10°	1827.3	1828.9	1830.6	1842.2	1845.5
12.5°	1804.1	1805.8	1810.8	1825.6	1830.6
15°	1772.7	1777.7	1786.0	1804.1	1810.8
17.5°	1739.7	1746.3	1757.8	1779.3	1786.0
20°	1700.0	1708.2	1724.8	1747.9	1756.2
22.5°	1655.3	1663.6	1686.7	1711.5	1719.8
25°	1610.7	1620.6	1643.7	1671.9	1680.1
27.5°	1557.7	1571.0	1595.8	1623.9	1630.5
30°	1503.2	1514.8	1544.5	1571.0	1582.6
32.5°	1448.6	1460.2	1488.3	1514.8	1523.0
35°	1384.1	1400.7	1428.8	1453.6	1461.8
37.5°	1321.3	1336.2	1365.9	1390.7	1399.0
40°	1255.1	1268.4	1299.8	1322.9	1329.5
42.5°	1189.0	1202.2	1233.6	1251.8	1258.4
45°	1119.5	1134.4	1160.9	1180.7	1185.7
47.5°	1050.1	1061.7	1086.5	1104.6	1111.3
50°	979.0	990.5	1015.3	1030.2	1033.5
52.5°	907.9	916.1	939.3	952.5	957.5
55°	836.8	845.0	863.2	878.1	876.4
57.5°	769.0	772.3	790.5	800.4	800.4
60°	692.9	696.2	711.1	717.7	719.3
62.5°	621.8	626.7	638.3	640.0	640.0
65°	552.3	554.0	560.6	563.9	563.9
67.5°	482.9	481.2	487.8	487.8	486.2
70°	410.1	413.4	415.1	411.8	410.1
72.5°	344.0	342.3	342.3	340.7	340.7
75°	279.5	276.2	277.8	271.2	269.5
77.5°	219.9	215.0	213.3	210.0	206.7
80°	158.8	158.8	157.1	153.8	152.1
82.5°	105.8	105.8	104.2	100.9	97.6
85°	59.5	59.5	57.9	52.9	51.3
87.5°	19.8	19.8	19.8	19.8	19.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)