

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: P297491

Luminaire Tested: **D3X-WO-45L92765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297491
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-45L92765-LD5-UNV-24-T1-W2A-5000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4203.0 lumens
Efficiency: N/A
Efficacy: 130.1 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

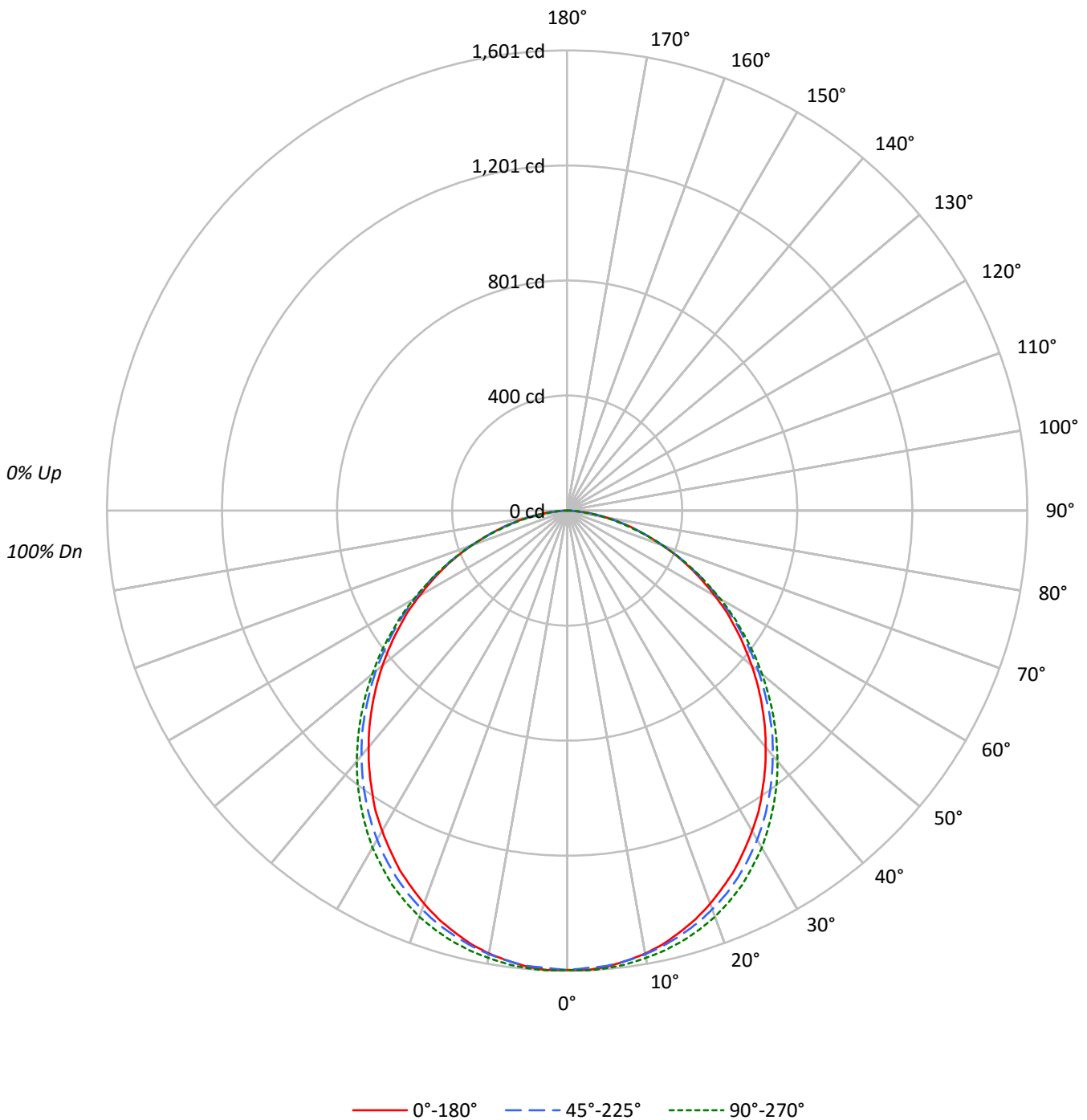
Input Watts (W): 32.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	109	105	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60					60			
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52					52			
5	77	64	55	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	41	39					39			
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2151	2151	2151
5°	2151	2148	2159
10°	2137	2141	2159
15°	2114	2130	2159
20°	2084	2114	2153
25°	2047	2089	2136
30°	2000	2055	2105
35°	1947	2009	2056
40°	1887	1955	1999
45°	1824	1891	1932
50°	1755	1820	1852
55°	1681	1734	1760
60°	1596	1638	1657
65°	1506	1528	1537
70°	1381	1398	1381
75°	1244	1237	1200
80°	1053	1042	1010
85°	787	766	678



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.3	3.6
10°-20°	432.3	10.3
20°-30°	648.2	15.4
30°-40°	763.4	18.2
40°-50°	763.5	18.2
50°-60°	658.8	15.7
60°-70°	474.0	11.3
70°-80°	251.4	6.0
80°-90°	60.0	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°	1231.9	29.3
0°-40°	1995.3	47.5
0°-60°	3417.6	81.3
0°-90°	4203.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4203.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1598	1598	1598	1598	1598	
5°	1593	1591	1590	1596	1598	151
15°	1518	1522	1529	1545	1550	428
25°	1379	1388	1407	1431	1438	634
35°	1185	1199	1223	1244	1252	741
45°	958	971	994	1011	1015	739
55°	716	724	739	752	750	641
65°	473	474	480	483	483	468
75°	239	236	238	232	231	255
85°	51	51	50	45	44	62
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1598.5	1598.5	1598.5	1598.5	1598.5
2.5°	1599.9	1597.1	1592.8	1598.5	1601.3
5°	1592.8	1591.4	1590.0	1595.6	1598.5
7.5°	1580.1	1581.5	1580.1	1588.6	1591.4
10°	1564.5	1565.9	1567.3	1577.2	1580.1
12.5°	1544.7	1546.1	1550.3	1563.1	1567.3
15°	1517.8	1522.0	1529.1	1544.7	1550.3
17.5°	1489.5	1495.1	1505.0	1523.4	1529.1
20°	1455.5	1462.6	1476.7	1496.5	1503.6
22.5°	1417.3	1424.3	1444.2	1465.4	1472.5
25°	1379.0	1387.5	1407.3	1431.4	1438.5
27.5°	1333.7	1345.0	1366.3	1390.4	1396.0
30°	1287.0	1296.9	1322.4	1345.0	1355.0
32.5°	1240.3	1250.2	1274.3	1296.9	1304.0
35°	1185.1	1199.2	1223.3	1244.5	1251.6
37.5°	1131.3	1144.0	1169.5	1190.7	1197.8
40°	1074.6	1085.9	1112.8	1132.7	1138.3
42.5°	1018.0	1029.3	1056.2	1071.8	1077.5
45°	958.5	971.3	993.9	1010.9	1015.2
47.5°	899.1	909.0	930.2	945.8	951.4
50°	838.2	848.1	869.3	882.1	884.9
52.5°	777.3	784.4	804.2	815.5	819.8
55°	716.4	723.5	739.1	751.8	750.4
57.5°	658.4	661.2	676.8	685.3	685.3
60°	593.2	596.1	608.8	614.5	615.9
62.5°	532.4	536.6	546.5	547.9	547.9
65°	472.9	474.3	480.0	482.8	482.8
67.5°	413.4	412.0	417.7	417.7	416.3
70°	351.1	354.0	355.4	352.5	351.1
72.5°	294.5	293.1	293.1	291.7	291.7
75°	239.3	236.4	237.9	232.2	230.8
77.5°	188.3	184.1	182.6	179.8	177.0
80°	135.9	135.9	134.5	131.7	130.3
82.5°	90.6	90.6	89.2	86.4	83.5
85°	51.0	51.0	49.6	45.3	43.9
87.5°	17.0	17.0	17.0	17.0	17.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)