

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: P297496

Luminaire Tested: **D3X-WO-50L92765-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297496
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-50L92765-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: 4067.0 lumens
Efficiency: N/A
Efficacy: 117.5 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

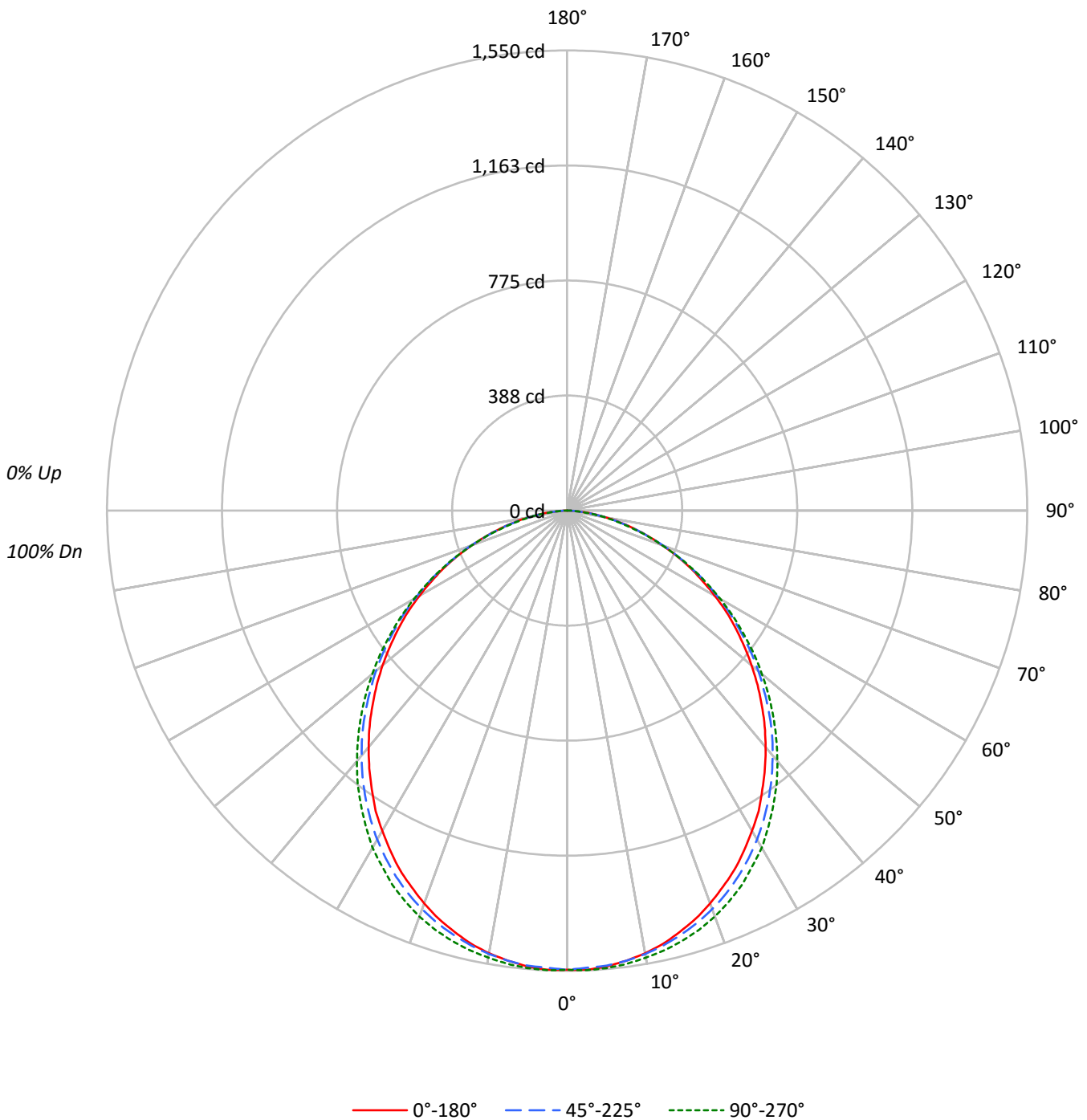
Input Watts (W): 34.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2081	2081	2081
5°	2082	2078	2089
10°	2068	2072	2089
15°	2046	2061	2090
20°	2017	2046	2083
25°	1981	2022	2066
30°	1935	1988	2037
35°	1883	1944	1989
40°	1826	1891	1935
45°	1765	1830	1869
50°	1698	1761	1792
55°	1626	1678	1703
60°	1545	1585	1604
65°	1457	1479	1487
70°	1337	1353	1337
75°	1203	1197	1161
80°	1019	1009	976
85°	761	741	656



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	146.4	3.6
10°-20°	418.3	10.3
20°-30°	627.2	15.4
30°-40°	738.7	18.2
40°-50°	738.8	18.2
50°-60°	637.5	15.7
60°-70°	458.7	11.3
70°-80°	243.3	6.0
80°-90°	58.0	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°	1192.0	29.3
0°-40°	1930.7	47.5
0°-60°	3307.0	81.3
0°-90°	4067.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4067.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1547	1547	1547	1547	1547	
5°	1541	1540	1538	1544	1547	146
15°	1469	1473	1480	1495	1500	414
25°	1334	1343	1362	1385	1392	614
35°	1147	1160	1184	1204	1211	717
45°	928	940	962	978	982	715
55°	693	700	715	728	726	620
65°	458	459	464	467	467	453
75°	232	229	230	225	223	246
85°	49	49	48	44	42	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1546.8	1546.8	1546.8	1546.8	1546.8
2.5°	1548.1	1545.4	1541.3	1546.8	1549.5
5°	1541.3	1539.9	1538.5	1544.0	1546.8
7.5°	1528.9	1530.3	1528.9	1537.2	1539.9
10°	1513.9	1515.2	1516.6	1526.2	1528.9
12.5°	1494.7	1496.1	1500.2	1512.5	1516.6
15°	1468.7	1472.8	1479.6	1494.7	1500.2
17.5°	1441.3	1446.7	1456.3	1474.1	1479.6
20°	1408.4	1415.2	1428.9	1448.1	1455.0
22.5°	1371.4	1378.2	1397.4	1418.0	1424.8
25°	1334.4	1342.6	1361.8	1385.1	1391.9
27.5°	1290.6	1301.5	1322.1	1345.4	1350.8
30°	1245.4	1254.9	1279.6	1301.5	1311.1
32.5°	1200.1	1209.7	1233.0	1254.9	1261.8
35°	1146.7	1160.4	1183.7	1204.2	1211.1
37.5°	1094.6	1107.0	1131.6	1152.2	1159.0
40°	1039.8	1050.8	1076.8	1096.0	1101.5
42.5°	985.0	996.0	1022.0	1037.1	1042.6
45°	927.5	939.8	961.8	978.2	982.3
47.5°	870.0	879.6	900.1	915.2	920.7
50°	811.1	820.6	841.2	853.5	856.3
52.5°	752.1	759.0	778.2	789.1	793.2
55°	693.2	700.1	715.2	727.5	726.1
57.5°	637.1	639.8	654.9	663.1	663.1
60°	574.0	576.8	589.1	594.6	596.0
62.5°	515.1	519.2	528.8	530.2	530.2
65°	457.6	459.0	464.4	467.2	467.2
67.5°	400.0	398.7	404.2	404.2	402.8
70°	339.8	342.5	343.9	341.1	339.8
72.5°	285.0	283.6	283.6	282.2	282.2
75°	231.5	228.8	230.2	224.7	223.3
77.5°	182.2	178.1	176.7	174.0	171.3
80°	131.5	131.5	130.2	127.4	126.0
82.5°	87.7	87.7	86.3	83.6	80.8
85°	49.3	49.3	48.0	43.8	42.5
87.5°	16.4	16.4	16.4	16.4	16.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)