

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: P297467

Luminaire Tested: **D3X-WO-31L92765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297467
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-31L92765-LD5-UNV-24-T1-W2A-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2942.0 lumens
Efficiency: N/A
Efficacy: 132.5 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

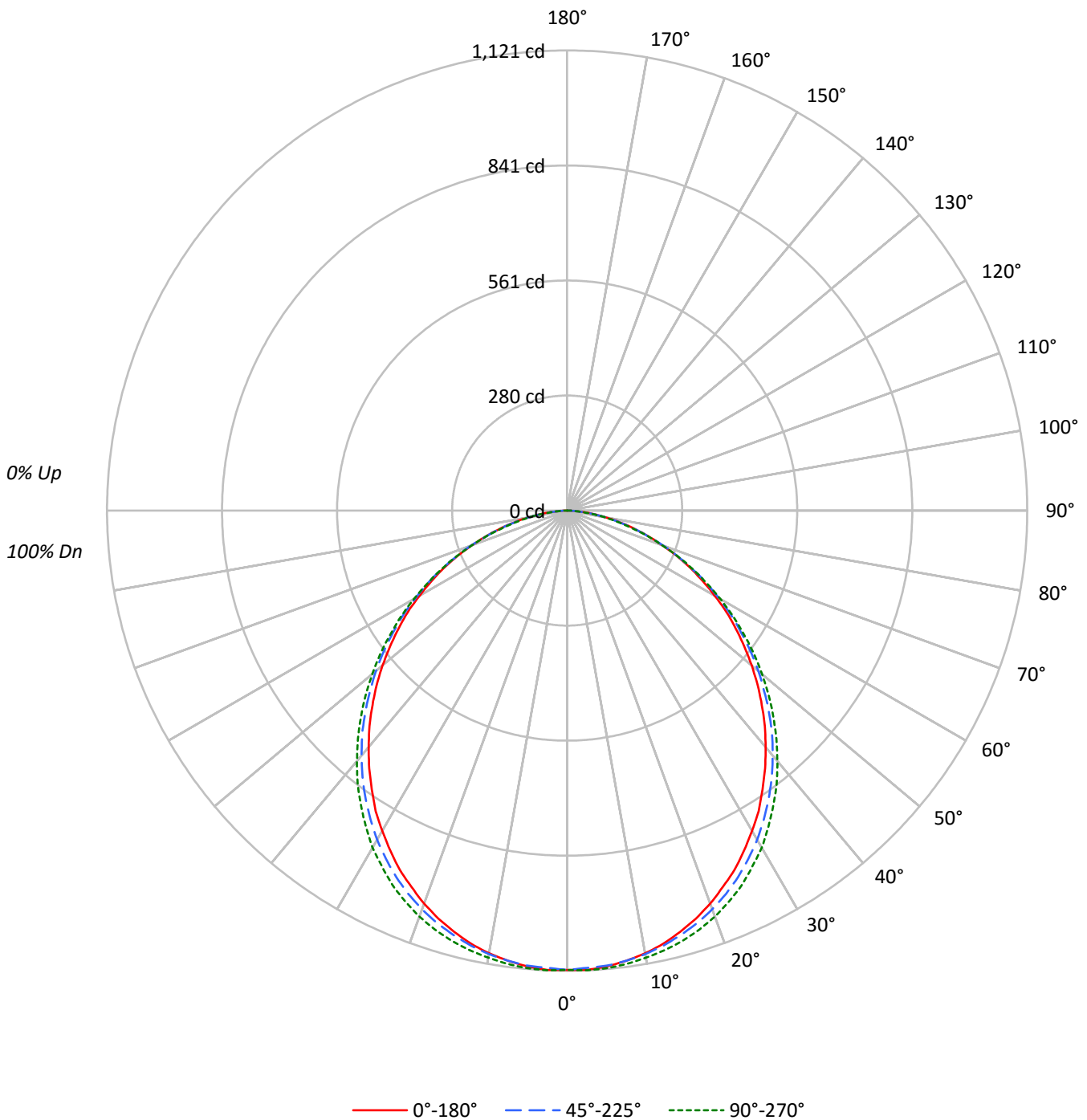
Input Watts (W): 22.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297467

CATALOG NUMBER: D3X-WO-31L92765-LD5-UNV-24-T1-W2A-6500K

Luminous Intensity Polar Plot





TEST NUMBER: P297467

CATALOG NUMBER: D3X-WO-31L92765-LD5-UNV-24-T1-W2A-6500K

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°	1505	1505	1505
5°	1506	1503	1511
10°	1496	1499	1511
15°	1480	1491	1512
20°	1459	1480	1507
25°	1433	1462	1495
30°	1400	1438	1473
35°	1362	1407	1439
40°	1321	1368	1400
45°	1277	1324	1352
50°	1228	1274	1297
55°	1176	1213	1232
60°	1118	1147	1160
65°	1054	1070	1076
70°	967	979	967
75°	871	866	840
80°	737	729	707
85°	551	536	474



TEST NUMBER: P297467

CATALOG NUMBER: D3X-WO-31L92765-LD5-UNV-24-T1-W2A-6500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.9	3.6
10°-20°	302.6	10.3
20°-30°	453.7	15.4
30°-40°	534.3	18.2
40°-50°	534.4	18.2
50°-60°	461.1	15.7
60°-70°	331.8	11.3
70°-80°	176.0	6.0
80°-90°	42.0	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°	862.3	29.3
0°-40°	1396.6	47.5
0°-60°	2392.2	81.3
0°-90°	2942.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2942.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1119	1119	1119	1119	1119	
5°	1115	1114	1113	1117	1119	106
15°	1062	1065	1070	1081	1085	300
25°	965	971	985	1002	1007	444
35°	830	839	856	871	876	519
45°	671	680	696	708	711	518
55°	502	506	517	526	525	449
65°	331	332	336	338	338	327
75°	168	166	166	162	162	178
85°	36	36	35	32	31	43
90°	0	0	0	0	0	



TEST NUMBER: P297467

CATALOG NUMBER: D3X-WO-31L92765-LD5-UNV-24-T1-W2A-6500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1118.9	1118.9	1118.9	1118.9	<i>1118.9</i>
2.5°	<i>1119.9</i>	<i>1117.9</i>	<i>1114.9</i>	<i>1118.9</i>	<i>1120.9</i>
5°	1114.9	1113.9	1113.0	1116.9	<i>1118.9</i>
7.5°	1106.0	1107.0	1106.0	1112.0	<i>1113.9</i>
10°	1095.1	1096.1	1097.1	1104.0	<i>1106.0</i>
12.5°	1081.2	1082.2	1085.2	1094.1	<i>1097.1</i>
15°	1062.4	1065.4	1070.3	1081.2	<i>1085.2</i>
17.5°	1042.6	1046.6	1053.5	1066.4	<i>1070.3</i>
20°	1018.8	1023.8	1033.7	1047.5	<i>1052.5</i>
22.5°	992.0	997.0	1010.9	1025.7	<i>1030.7</i>
25°	965.3	971.2	985.1	1002.0	<i>1006.9</i>
27.5°	933.6	941.5	956.4	973.2	<i>977.2</i>
30°	900.9	907.8	925.6	941.5	<i>948.4</i>
32.5°	868.2	875.1	891.9	907.8	<i>912.8</i>
35°	829.5	839.4	856.3	871.1	<i>876.1</i>
37.5°	791.9	800.8	818.6	833.5	<i>838.4</i>
40°	752.2	760.1	779.0	792.8	<i>796.8</i>
42.5°	712.6	720.5	739.3	750.2	<i>754.2</i>
45°	670.9	679.9	695.7	707.6	<i>710.6</i>
47.5°	629.3	636.3	651.1	662.0	<i>666.0</i>
50°	586.7	593.6	608.5	617.4	<i>619.4</i>
52.5°	544.1	549.0	562.9	570.8	<i>573.8</i>
55°	501.5	506.4	517.3	526.2	<i>525.3</i>
57.5°	460.8	462.8	473.7	479.7	<i>479.7</i>
60°	415.3	417.2	426.2	430.1	<i>431.1</i>
62.5°	372.6	375.6	382.5	383.5	<i>383.5</i>
65°	331.0	332.0	336.0	337.9	<i>337.9</i>
67.5°	289.4	288.4	292.4	292.4	<i>291.4</i>
70°	245.8	247.8	248.8	246.8	<i>245.8</i>
72.5°	206.1	205.1	205.1	204.2	<i>204.2</i>
75°	167.5	165.5	166.5	162.5	<i>161.5</i>
77.5°	131.8	128.8	127.8	125.9	<i>123.9</i>
80°	95.1	95.1	94.1	92.2	<i>91.2</i>
82.5°	63.4	63.4	62.4	60.5	<i>58.5</i>
85°	35.7	35.7	34.7	31.7	<i>30.7</i>
87.5°	11.9	11.9	11.9	11.9	<i>11.9</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>

(END OF REPORT)