

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: P297465

Luminaire Tested: **D3X-WO-31L92765-LD5-UNV-24-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297465
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-5500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2910.0 lumens
Efficiency: N/A
Efficacy: 133.5 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

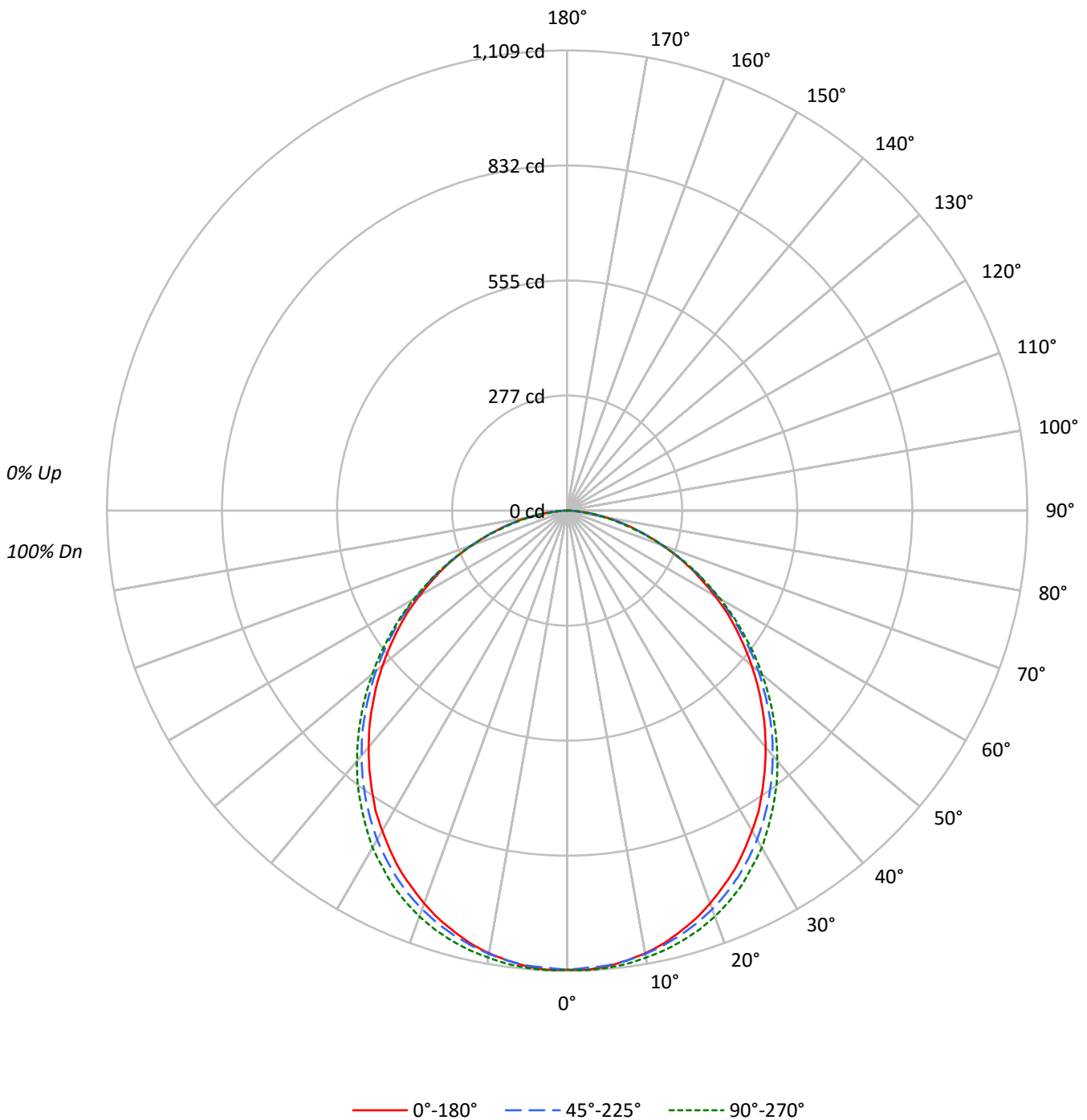
Input Watts (W): 21.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1489	1489	1489
5°	1489	1487	1495
10°	1480	1483	1495
15°	1464	1475	1495
20°	1443	1464	1491
25°	1417	1447	1479
30°	1384	1423	1457
35°	1348	1391	1423
40°	1307	1353	1384
45°	1263	1310	1337
50°	1215	1260	1283
55°	1164	1200	1219
60°	1105	1134	1147
65°	1042	1058	1064
70°	956	968	956
75°	861	856	831
80°	729	721	699
85°	545	530	469



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.8	3.6
10°-20°	299.3	10.3
20°-30°	448.8	15.4
30°-40°	528.5	18.2
40°-50°	528.6	18.2
50°-60°	456.1	15.7
60°-70°	328.2	11.3
70°-80°	174.1	6.0
80°-90°	41.5	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°	852.9	29.3
0°-40°	1381.5	47.5
0°-60°	2366.2	81.3
0°-90°	2910.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2910.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1107	1107	1107	1107	1107	
5°	1103	1102	1101	1105	1107	105
15°	1051	1054	1059	1070	1073	296
25°	955	961	974	991	996	439
35°	820	830	847	862	867	513
45°	664	672	688	700	703	512
55°	496	501	512	520	520	444
65°	327	328	332	334	334	324
75°	166	164	165	161	160	176
85°	35	35	34	31	30	43
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1106.7	1106.7	1106.7	1106.7	1106.7
2.5°	1107.7	1105.7	1102.8	1106.7	1108.7
5°	1102.8	1101.8	1100.8	1104.8	1106.7
7.5°	1094.0	1095.0	1094.0	1099.9	1101.8
10°	1083.2	1084.2	1085.2	1092.0	1094.0
12.5°	1069.5	1070.5	1073.4	1082.2	1085.2
15°	1050.9	1053.8	1058.7	1069.5	1073.4
17.5°	1031.2	1035.2	1042.0	1054.8	1058.7
20°	1007.7	1012.6	1022.4	1036.1	1041.0
22.5°	981.3	986.2	999.9	1014.6	1019.5
25°	954.8	960.7	974.4	991.1	996.0
27.5°	923.4	931.3	946.0	962.6	966.5
30°	891.1	897.9	915.6	931.3	938.1
32.5°	858.7	865.6	882.2	897.9	902.8
35°	820.5	830.3	847.0	861.7	866.6
37.5°	783.2	792.1	809.7	824.4	829.3
40°	744.0	751.9	770.5	784.2	788.1
42.5°	704.8	712.7	731.3	742.1	746.0
45°	663.6	672.5	688.2	699.9	702.9
47.5°	622.5	629.3	644.0	654.8	658.7
50°	580.3	587.2	601.9	610.7	612.7
52.5°	538.2	543.1	556.8	564.6	567.6
55°	496.0	500.9	511.7	520.5	519.5
57.5°	455.8	457.8	468.6	474.5	474.5
60°	410.7	412.7	421.5	425.4	426.4
62.5°	368.6	371.5	378.4	379.4	379.4
65°	327.4	328.4	332.3	334.3	334.3
67.5°	286.2	285.3	289.2	289.2	288.2
70°	243.1	245.1	246.0	244.1	243.1
72.5°	203.9	202.9	202.9	201.9	201.9
75°	165.7	163.7	164.7	160.8	159.8
77.5°	130.4	127.4	126.5	124.5	122.5
80°	94.1	94.1	93.1	91.2	90.2
82.5°	62.7	62.7	61.8	59.8	57.8
85°	35.3	35.3	34.3	31.4	30.4
87.5°	11.8	11.8	11.8	11.8	11.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)