

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: P297477

Luminaire Tested: **D3X-WO-42L92765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297477
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-42L92765-LD5-UNV-24-T1-W2A-2700K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3302.0 lumens
Efficiency: N/A
Efficacy: 113.9 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

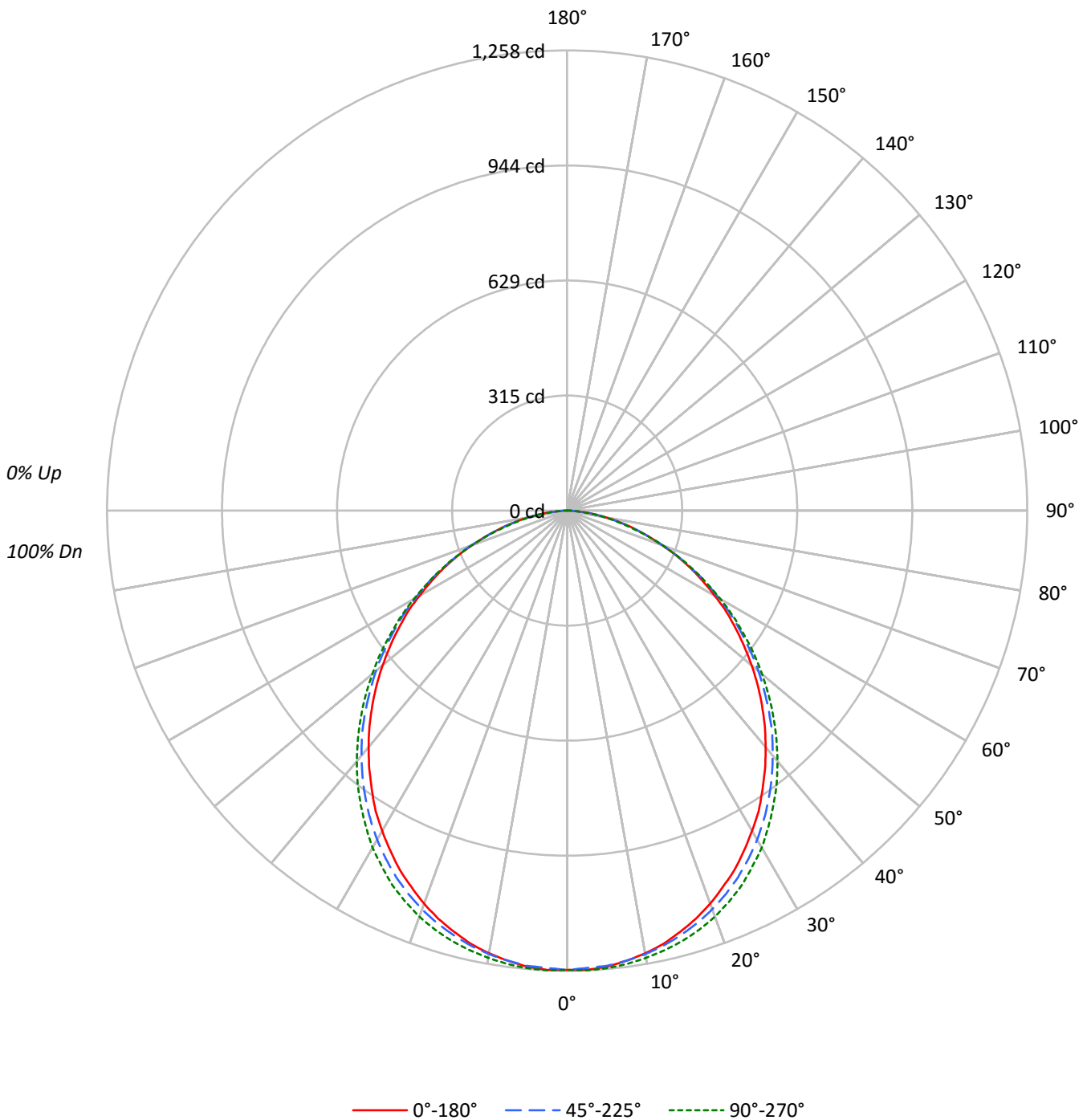
Input Watts (W): 29
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1690	1690	1690
5°	1690	1687	1696
10°	1679	1682	1696
15°	1661	1673	1697
20°	1637	1661	1691
25°	1608	1641	1678
30°	1571	1614	1654
35°	1529	1578	1615
40°	1483	1536	1571
45°	1433	1486	1517
50°	1378	1430	1455
55°	1320	1362	1383
60°	1254	1287	1302
65°	1183	1201	1208
70°	1085	1098	1085
75°	977	972	943
80°	828	819	793
85°	618	601	533



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	118.9	3.6
10°-20°	339.7	10.3
20°-30°	509.3	15.4
30°-40°	599.7	18.2
40°-50°	599.8	18.2
50°-60°	517.6	15.7
60°-70°	372.4	11.3
70°-80°	197.5	6.0
80°-90°	47.1	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°	967.8	29.3
0°-40°	1567.6	47.5
0°-60°	2684.9	81.3
0°-90°	3302.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3302.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1256	1256	1256	1256	1256	
5°	1251	1250	1249	1254	1256	119
15°	1192	1196	1201	1214	1218	336
25°	1083	1090	1106	1125	1130	498
35°	931	942	961	978	983	582
45°	753	763	781	794	798	581
55°	563	568	581	591	590	504
65°	372	373	377	379	379	367
75°	188	186	187	182	181	200
85°	40	40	39	36	34	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1255.8	1255.8	1255.8	1255.8	1255.8
2.5°	1256.9	1254.7	1251.4	1255.8	1258.0
5°	1251.4	1250.2	1249.1	1253.6	1255.8
7.5°	1241.4	1242.5	1241.4	1248.0	1250.2
10°	1229.1	1230.2	1231.3	1239.1	1241.4
12.5°	1213.5	1214.7	1218.0	1228.0	1231.3
15°	1192.4	1195.7	1201.3	1213.5	1218.0
17.5°	1170.2	1174.6	1182.4	1196.9	1201.3
20°	1143.5	1149.0	1160.2	1175.7	1181.3
22.5°	1113.4	1119.0	1134.6	1151.3	1156.8
25°	1083.4	1090.1	1105.6	1124.6	1130.1
27.5°	1047.8	1056.7	1073.4	1092.3	1096.7
30°	1011.1	1018.9	1038.9	1056.7	1064.5
32.5°	974.4	982.2	1001.1	1018.9	1024.4
35°	931.0	942.1	961.0	977.7	983.3
37.5°	888.7	898.8	918.8	935.5	941.0
40°	844.3	853.2	874.3	889.9	894.3
42.5°	799.8	808.7	829.8	842.0	846.5
45°	753.0	763.1	780.9	794.2	797.5
47.5°	706.3	714.1	730.8	743.0	747.5
50°	658.5	666.3	683.0	693.0	695.2
52.5°	610.7	616.2	631.8	640.7	644.0
55°	562.8	568.4	580.6	590.6	589.5
57.5°	517.2	519.5	531.7	538.4	538.4
60°	466.1	468.3	478.3	482.7	483.9
62.5°	418.2	421.6	429.4	430.5	430.5
65°	371.5	372.6	377.1	379.3	379.3
67.5°	324.8	323.7	328.1	328.1	327.0
70°	275.9	278.1	279.2	277.0	275.9
72.5°	231.4	230.3	230.3	229.1	229.1
75°	188.0	185.8	186.9	182.4	181.3
77.5°	147.9	144.6	143.5	141.3	139.0
80°	106.8	106.8	105.7	103.4	102.3
82.5°	71.2	71.2	70.1	67.9	65.6
85°	40.0	40.0	38.9	35.6	34.5
87.5°	13.3	13.3	13.3	13.3	13.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)