

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: P297199

Luminaire Tested: **D3X-WG-42L92765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297199
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-42L92765-LD5-UNV-24-T1-W2A-3500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3391.0 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

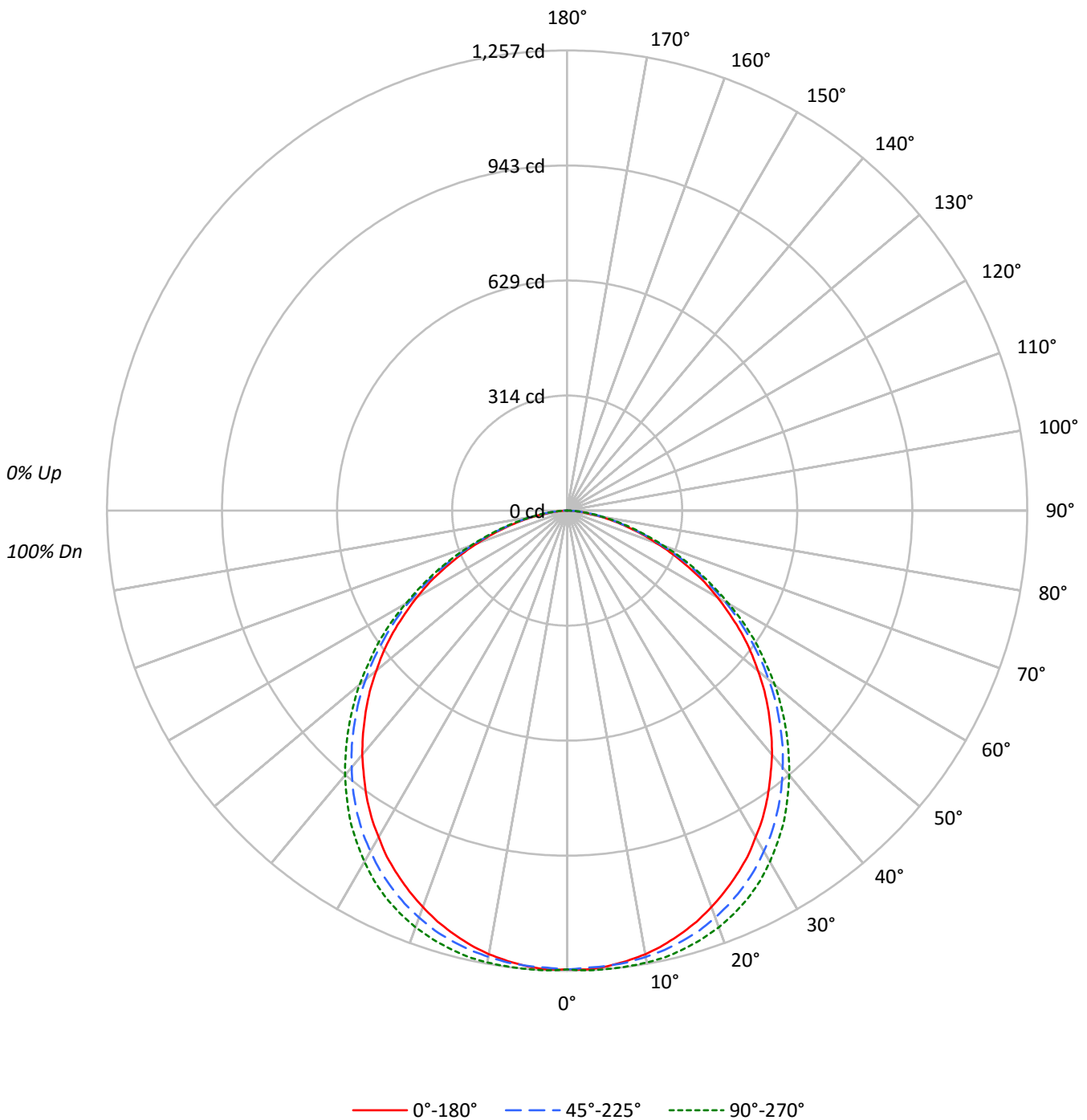
Input Watts (W): 29.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	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	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	42	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	27	38	32	27	37	31	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1687	1687	1687
5°	1688	1687	1698
10°	1681	1691	1713
15°	1668	1695	1726
20°	1651	1694	1734
25°	1628	1686	1735
30°	1600	1670	1721
35°	1568	1646	1698
40°	1530	1609	1658
45°	1482	1562	1609
50°	1424	1505	1551
55°	1362	1430	1476
60°	1275	1340	1373
65°	1164	1226	1257
70°	1022	1075	1104
75°	865	909	941
80°	687	753	772
85°	469	562	543



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.1	3.5
10°-20°	343.9	10.1
20°-30°	522.6	15.4
30°-40°	623.6	18.4
40°-50°	629.8	18.6
50°-60°	542.6	16.0
60°-70°	378.3	11.2
70°-80°	187.5	5.5
80°-90°	43.7	1.3
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°	985.6	29.1
0°-40°	1609.2	47.5
0°-60°	2781.6	82.0
0°-90°	3391.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3391.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1254	1254	1254	1254	1254	
5°	1250	1249	1249	1255	1257	119
15°	1198	1204	1217	1233	1239	338
25°	1097	1112	1136	1159	1169	505
35°	955	971	1002	1025	1034	597
45°	779	796	821	841	845	600
55°	581	593	610	624	629	517
65°	366	373	385	389	395	363
75°	166	169	175	179	181	179
85°	30	36	36	34	35	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1253.6	1253.6	1253.6	1253.6	1253.6
2.5°	1254.8	1252.4	1249.9	1254.8	1257.2
5°	1249.9	1248.7	1248.7	1254.8	1257.2
7.5°	1241.4	1241.4	1245.1	1253.6	1256.0
10°	1230.5	1232.9	1237.8	1249.9	1253.6
12.5°	1215.9	1220.8	1229.3	1243.9	1248.7
15°	1197.7	1203.8	1217.1	1232.9	1239.0
17.5°	1177.1	1185.6	1202.6	1220.8	1226.9
20°	1152.8	1163.7	1183.1	1203.8	1211.1
22.5°	1126.0	1139.4	1161.3	1183.1	1191.6
25°	1096.9	1111.5	1135.8	1158.8	1168.6
27.5°	1066.5	1081.1	1107.8	1130.9	1140.6
30°	1030.1	1047.1	1075.0	1099.3	1107.8
32.5°	994.8	1011.9	1041.0	1062.9	1071.4
35°	954.8	970.6	1002.1	1025.2	1033.7
37.5°	912.2	930.5	960.8	981.5	988.8
40°	870.9	886.7	915.9	936.5	943.8
42.5°	824.8	841.8	870.9	889.2	895.2
45°	778.6	795.6	821.1	840.6	845.4
47.5°	731.3	747.0	772.6	788.3	793.2
50°	680.2	694.8	719.1	734.9	741.0
52.5°	631.6	645.0	665.7	679.0	682.7
55°	580.6	592.8	609.8	624.4	629.2
57.5°	526.0	539.3	555.1	567.3	570.9
60°	473.7	484.7	498.0	509.0	510.2
62.5°	422.7	427.6	439.7	449.4	450.7
65°	365.6	372.9	385.1	388.7	394.8
67.5°	313.4	318.3	328.0	332.8	337.7
70°	259.9	263.6	273.3	279.4	280.6
72.5°	213.8	215.0	222.3	227.2	228.4
75°	166.4	168.8	174.9	178.6	181.0
77.5°	126.3	128.8	133.6	136.0	136.0
80°	88.7	92.3	97.2	98.4	99.6
82.5°	57.1	62.0	65.6	66.8	64.4
85°	30.4	36.4	36.4	34.0	35.2
87.5°	10.9	13.4	14.6	15.8	15.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)