

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: P297196

Luminaire Tested: **D3X-WG-36L92765-LD5-UNV-24-T1-W2A-6500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297196
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-36L92765-LD5-UNV-24-T1-W2A-6500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 6500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3278.0 lumens
Efficiency: N/A
Efficacy: 124.2 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

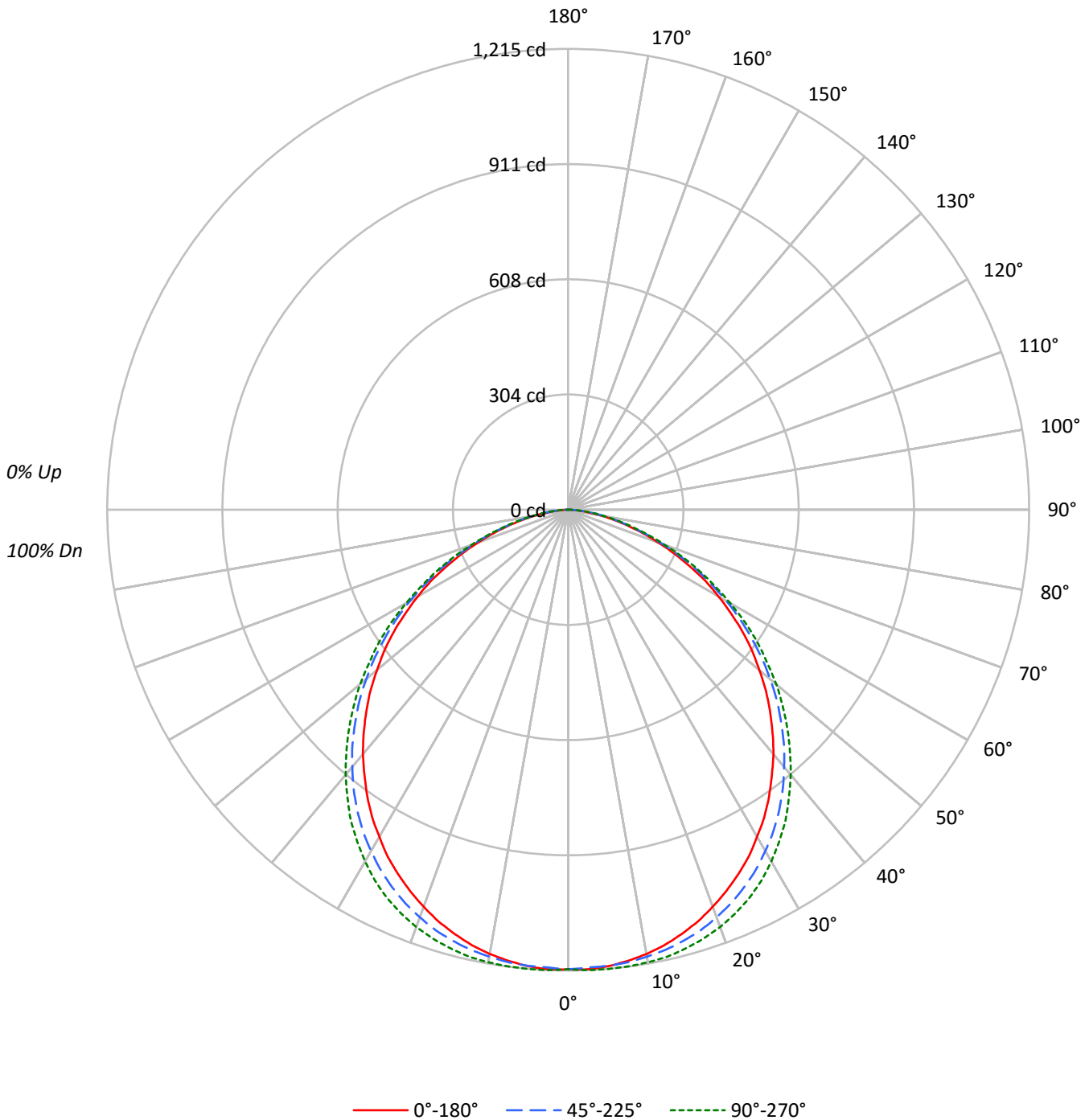
Input Watts (W): 26.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1630	1630	1630
5°	1632	1630	1641
10°	1625	1635	1656
15°	1613	1639	1668
20°	1595	1638	1676
25°	1574	1630	1677
30°	1547	1615	1664
35°	1516	1591	1641
40°	1479	1555	1603
45°	1432	1510	1555
50°	1376	1455	1499
55°	1317	1383	1427
60°	1232	1295	1327
65°	1125	1185	1215
70°	989	1039	1067
75°	836	879	910
80°	664	728	746
85°	454	543	526



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.1	3.5
10°-20°	332.4	10.1
20°-30°	505.2	15.4
30°-40°	602.8	18.4
40°-50°	608.8	18.6
50°-60°	524.5	16.0
60°-70°	365.6	11.2
70°-80°	181.2	5.5
80°-90°	42.3	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°	952.7	29.1
0°-40°	1555.5	47.5
0°-60°	2688.9	82.0
0°-90°	3278.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3278.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1212	1212	1212	1212	1212	
5°	1208	1207	1207	1213	1215	115
15°	1158	1164	1177	1192	1198	327
25°	1060	1074	1098	1120	1130	488
35°	923	938	969	991	999	577
45°	753	769	794	813	817	580
55°	561	573	590	604	608	500
65°	353	360	372	376	382	351
75°	161	163	169	173	175	173
85°	29	35	35	33	34	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1211.8	1211.8	1211.8	1211.8	1211.8
2.5°	1213.0	1210.6	1208.3	1213.0	1215.3
5°	1208.3	1207.1	1207.1	1213.0	1215.3
7.5°	1200.1	1200.1	1203.6	1211.8	1214.2
10°	1189.5	1191.8	1196.5	1208.3	1211.8
12.5°	1175.4	1180.1	1188.3	1202.4	1207.1
15°	1157.8	1163.7	1176.6	1191.8	1197.7
17.5°	1137.8	1146.1	1162.5	1180.1	1186.0
20°	1114.3	1124.9	1143.7	1163.7	1170.7
22.5°	1088.5	1101.4	1122.6	1143.7	1151.9
25°	1060.3	1074.4	1097.9	1120.2	1129.6
27.5°	1031.0	1045.1	1070.9	1093.2	1102.6
30°	995.7	1012.2	1039.2	1062.7	1070.9
32.5°	961.7	978.1	1006.3	1027.5	1035.7
35°	922.9	938.2	968.7	991.1	999.3
37.5°	881.8	899.5	928.8	948.8	955.8
40°	841.9	857.2	885.4	905.3	912.4
42.5°	797.3	813.7	841.9	859.5	865.4
45°	752.7	769.1	793.8	812.6	817.3
47.5°	706.9	722.2	746.8	762.1	766.8
50°	657.6	671.7	695.1	710.4	716.3
52.5°	610.6	623.5	643.5	656.4	659.9
55°	561.3	573.0	589.5	603.6	608.3
57.5°	508.4	521.4	536.6	548.4	551.9
60°	458.0	468.5	481.4	492.0	493.2
62.5°	408.6	413.3	425.1	434.5	435.6
65°	353.4	360.5	372.2	375.8	381.6
67.5°	303.0	307.6	317.0	321.7	326.4
70°	251.3	254.8	264.2	270.1	271.2
72.5°	206.7	207.8	214.9	219.6	220.8
75°	160.9	163.2	169.1	172.6	175.0
77.5°	122.1	124.5	129.2	131.5	131.5
80°	85.7	89.2	93.9	95.1	96.3
82.5°	55.2	59.9	63.4	64.6	62.2
85°	29.4	35.2	35.2	32.9	34.1
87.5°	10.6	12.9	14.1	15.3	15.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)