

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: P298301

Luminaire Tested: **D3X-WG-44L92765-LD5-UNV-22-T1-W2A-5000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298301  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-44L92765-LD5-UNV-22-T1-W2A-5000K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3803.0 lumens  
Efficiency: N/A  
Efficacy: 104.2 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

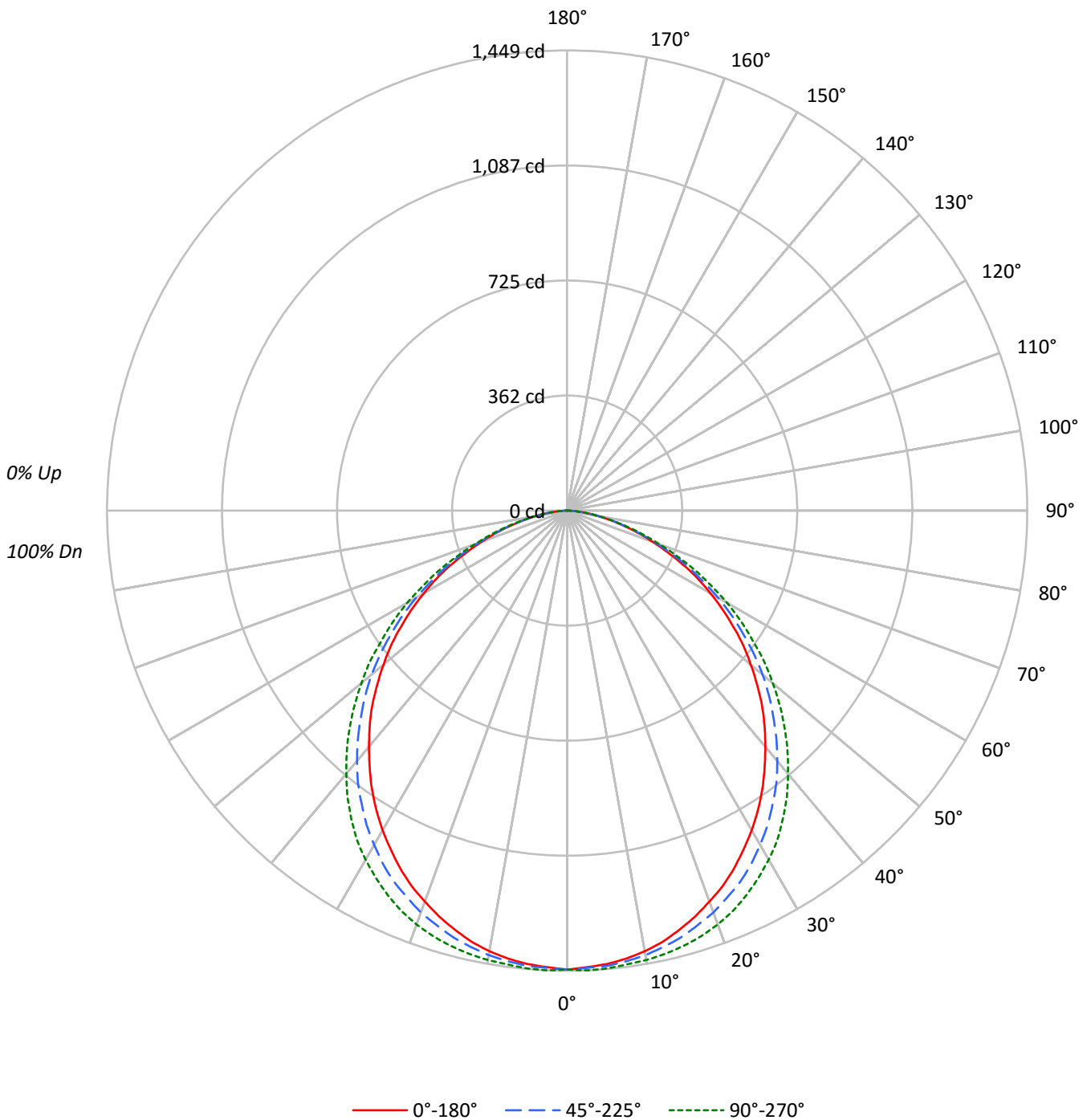
Input Watts (W): 36.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	96	98	95	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49		59	53	48		58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	64	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		41	35	30	28
10	54	41	33	28	53	40	33	28	40	33	28		39	32	28		38	32	28	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	3889	3889	3889
5°	3871	3888	3909
10°	3850	3883	3927
15°	3807	3874	3953
20°	3751	3855	3971
25°	3692	3830	3967
30°	3613	3776	3945
35°	3521	3707	3892
40°	3411	3616	3801
45°	3303	3495	3687
50°	3160	3363	3540
55°	3002	3172	3343
60°	2803	2955	3129
65°	2558	2673	2828
70°	2239	2334	2430
75°	1910	1952	2036
80°	1533	1564	1595
85°	1121	1059	997



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	136.8	3.6
10°-20°	392.6	10.3
20°-30°	593.6	15.6
30°-40°	705.0	18.5
40°-50°	707.8	18.6
50°-60°	604.6	15.9
60°-70°	416.5	11.0
70°-80°	202.0	5.3
80°-90°	44.2	1.2
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°	1123.0	29.5
0°-40°	1828.0	48.1
0°-60°	3140.3	82.6
0°-90°	3803.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3803.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1445	1445	1445	1445	1445	
5°	1433	1433	1439	1443	1447	136
15°	1366	1373	1391	1409	1419	385
25°	1243	1254	1290	1324	1336	572
35°	1072	1088	1128	1171	1185	670
45°	868	880	918	957	969	668
55°	640	650	676	704	712	572
65°	402	402	420	438	444	398
75°	184	180	188	192	196	197
85°	36	36	34	32	32	44
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1445.2	1445.2	1445.2	1445.2	1445.2
2.5°	1439.2	1439.2	1441.2	1447.2	1449.3
5°	1433.1	1433.1	1439.2	1443.2	1447.2
7.5°	1423.0	1425.0	1431.1	1439.2	1441.2
10°	1408.9	1410.9	1421.0	1431.1	1437.2
12.5°	1390.7	1394.8	1406.9	1423.0	1429.1
15°	1366.5	1372.6	1390.7	1408.9	1419.0
17.5°	1340.3	1348.3	1368.5	1394.8	1404.9
20°	1310.0	1320.1	1346.3	1374.6	1386.7
22.5°	1279.7	1287.8	1318.1	1350.4	1364.5
25°	1243.4	1253.5	1289.8	1324.1	1336.2
27.5°	1203.0	1217.1	1255.5	1291.8	1303.9
30°	1162.6	1174.8	1215.1	1255.5	1269.6
32.5°	1118.2	1130.3	1174.8	1215.1	1231.3
35°	1071.8	1088.0	1128.3	1170.7	1184.8
37.5°	1021.3	1039.5	1081.9	1118.2	1136.4
40°	970.9	987.0	1029.4	1067.8	1081.9
42.5°	920.4	934.6	974.9	1015.3	1027.4
45°	867.9	880.1	918.4	956.8	968.9
47.5°	811.4	825.6	861.9	894.2	908.3
50°	754.9	769.0	803.4	833.6	845.7
52.5°	700.4	708.5	740.8	769.0	783.2
55°	639.9	649.9	676.2	704.4	712.5
57.5°	581.3	587.4	613.6	637.8	649.9
60°	520.8	524.8	549.0	567.2	581.3
62.5°	464.2	464.2	482.4	502.6	510.7
65°	401.7	401.7	419.8	438.0	444.1
67.5°	341.1	345.2	357.3	371.4	375.4
70°	284.6	284.6	296.7	306.8	308.8
72.5°	234.1	232.1	238.2	246.3	250.3
75°	183.7	179.6	187.7	191.8	195.8
77.5°	139.3	137.3	141.3	145.3	145.3
80°	98.9	96.9	100.9	100.9	102.9
82.5°	64.6	66.6	66.6	64.6	62.6
85°	36.3	36.3	34.3	32.3	32.3
87.5°	12.1	12.1	12.1	14.1	14.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)