

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: P297060

Luminaire Tested: **D3X-WG-42L82765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297060  
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-42L82765-LD5-UNV-24-T1-W2A-4000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 80 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3956.0 lumens  
Efficiency: N/A  
Efficacy: 134.1 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

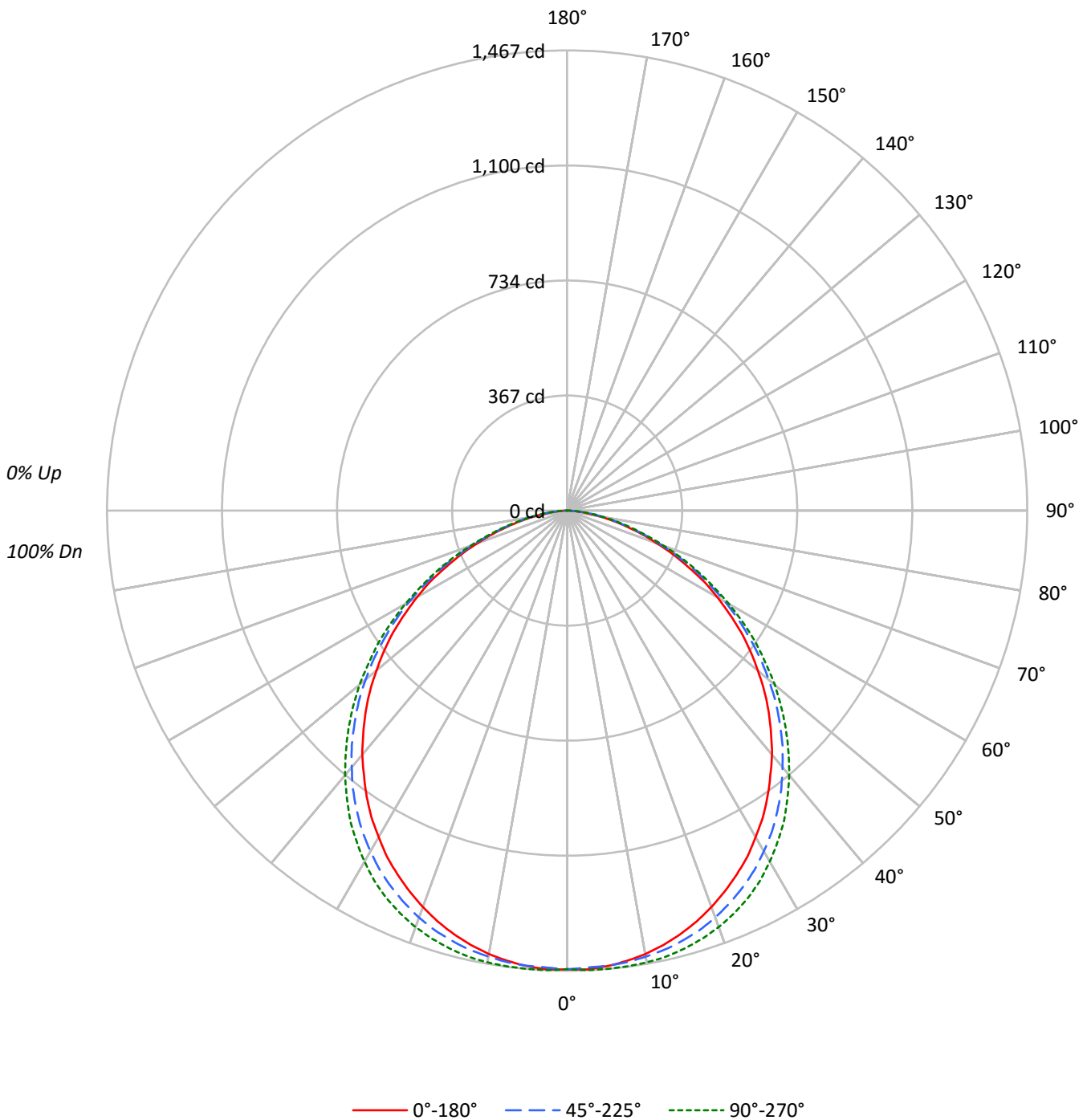
Input Watts (W): 29.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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°	1968	1968	1968
5°	1969	1968	1981
10°	1961	1973	1998
15°	1946	1978	2013
20°	1926	1976	2023
25°	1900	1967	2024
30°	1867	1948	2008
35°	1829	1920	1981
40°	1785	1877	1934
45°	1729	1823	1877
50°	1661	1756	1809
55°	1589	1669	1722
60°	1487	1563	1602
65°	1358	1430	1466
70°	1193	1254	1288
75°	1009	1061	1097
80°	801	879	900
85°	546	656	634



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	139.0	3.5
10°-20°	401.2	10.1
20°-30°	609.7	15.4
30°-40°	727.5	18.4
40°-50°	734.7	18.6
50°-60°	633.0	16.0
60°-70°	441.3	11.2
70°-80°	218.7	5.5
80°-90°	51.0	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°	1149.8	29.1
0°-40°	1877.3	47.5
0°-60°	3245.0	82.0
0°-90°	3956.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3956.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1462	1462	1462	1462	1462	
5°	1458	1457	1457	1464	1467	138
15°	1397	1404	1420	1438	1445	394
25°	1280	1297	1325	1352	1363	589
35°	1114	1132	1169	1196	1206	696
45°	908	928	958	981	986	700
55°	677	692	711	728	734	604
65°	426	435	449	454	461	424
75°	194	197	204	208	211	209
85°	35	42	42	40	41	45
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1462.4	1462.4	1462.4	1462.4	1462.4
2.5°	1463.9	1461.0	1458.2	1463.9	1466.7
5°	1458.2	1456.8	1456.8	1463.9	1466.7
7.5°	1448.3	1448.3	1452.5	1462.4	1465.3
10°	1435.5	1438.4	1444.0	1458.2	1462.4
12.5°	1418.5	1424.2	1434.1	1451.1	1456.8
15°	1397.3	1404.3	1419.9	1438.4	1445.4
17.5°	1373.2	1383.1	1402.9	1424.2	1431.3
20°	1344.8	1357.6	1380.3	1404.3	1412.9
22.5°	1313.7	1329.2	1354.7	1380.3	1390.2
25°	1279.6	1296.6	1325.0	1351.9	1363.3
27.5°	1244.2	1261.2	1292.4	1319.3	1330.7
30°	1201.7	1221.5	1254.1	1282.5	1292.4
32.5°	1160.6	1180.4	1214.5	1240.0	1249.9
35°	1113.8	1132.3	1169.1	1196.0	1206.0
37.5°	1064.2	1085.5	1120.9	1145.0	1153.5
40°	1016.1	1034.5	1068.5	1092.6	1101.1
42.5°	962.2	982.1	1016.1	1037.3	1044.4
45°	908.4	928.2	958.0	980.6	986.3
47.5°	853.1	871.5	901.3	919.7	925.4
50°	793.6	810.6	838.9	857.3	864.4
52.5°	736.9	752.5	776.6	792.2	796.4
55°	677.4	691.5	711.4	728.4	734.1
57.5°	613.6	629.2	647.6	661.8	666.0
60°	552.7	565.4	581.0	593.8	595.2
62.5°	493.2	498.8	513.0	524.3	525.7
65°	426.5	435.1	449.2	453.5	460.6
67.5°	365.6	371.3	382.6	388.3	394.0
70°	303.3	307.5	318.8	325.9	327.4
72.5°	249.4	250.8	259.3	265.0	266.4
75°	194.1	197.0	204.1	208.3	211.1
77.5°	147.4	150.2	155.9	158.7	158.7
80°	103.4	107.7	113.4	114.8	116.2
82.5°	66.6	72.3	76.5	77.9	75.1
85°	35.4	42.5	42.5	39.7	41.1
87.5°	12.8	15.6	17.0	18.4	18.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)