

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: P297053

Luminaire Tested: **D3X-WG-36L82765-LD5-UNV-24-T1-W2A-5000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P297053  
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-36L82765-LD5-UNV-24-T1-W2A-5000K  
Description: D3X LED 2x4 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (504) 80 CRI LEDS TUNED TO 5000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3556.0 lumens  
Efficiency: N/A  
Efficacy: 137.8 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

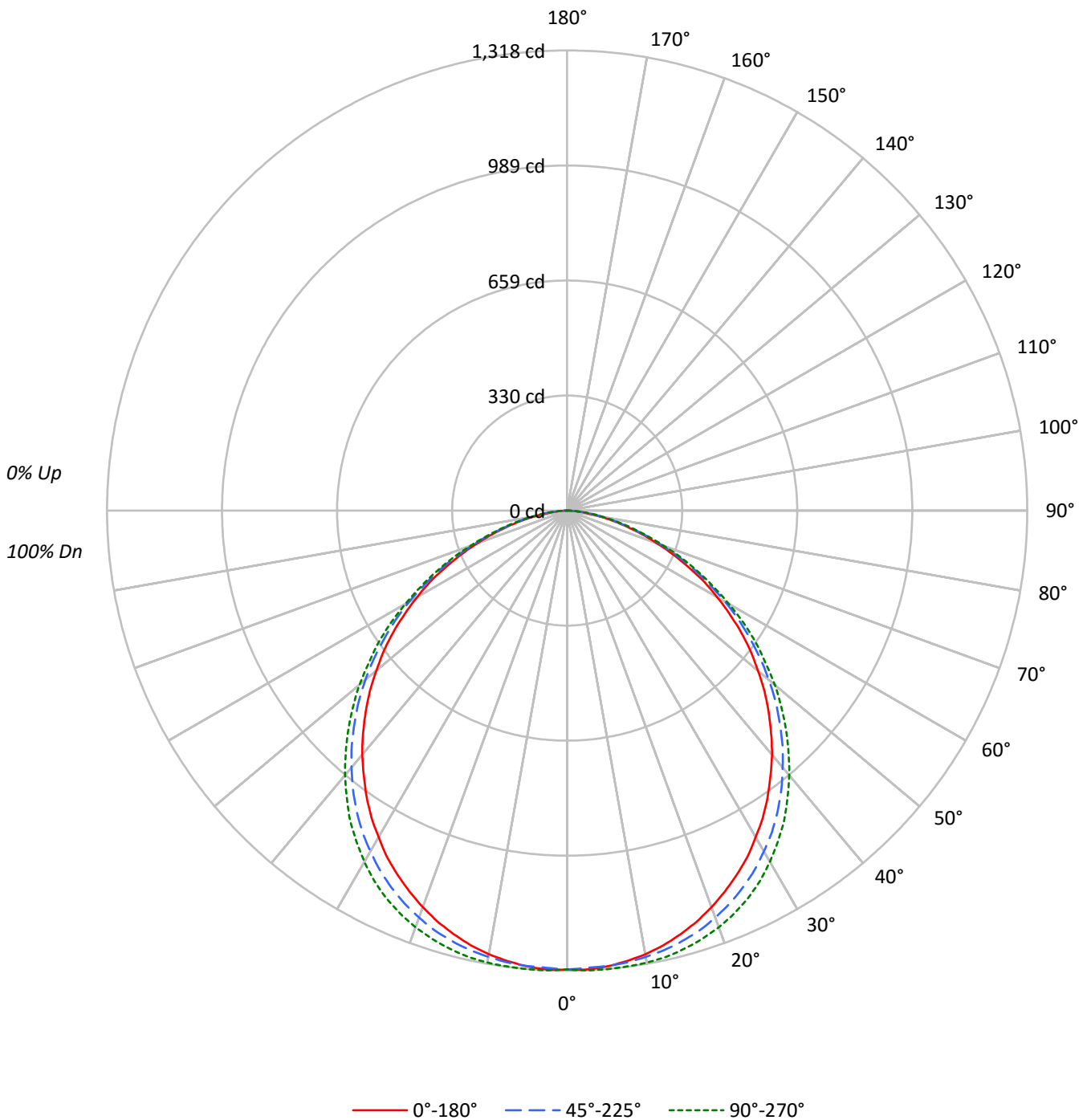
Input Watts (W): 25.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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					100			
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71					71			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61					61			
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52					52			
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45					45			
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	42	37	35					35			
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31					31			
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	26					26			

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

	0°	45°	90°
0°	1769	1769	1769
5°	1770	1769	1781
10°	1763	1773	1796
15°	1750	1778	1810
20°	1731	1776	1818
25°	1708	1768	1819
30°	1678	1751	1805
35°	1645	1726	1781
40°	1604	1687	1738
45°	1554	1639	1687
50°	1493	1578	1626
55°	1428	1500	1548
60°	1337	1405	1440
65°	1221	1286	1318
70°	1072	1127	1158
75°	907	953	987
80°	721	790	810
85°	491	590	570



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	124.9	3.5
10°-20°	360.6	10.1
20°-30°	548.0	15.4
30°-40°	653.9	18.4
40°-50°	660.4	18.6
50°-60°	569.0	16.0
60°-70°	396.7	11.2
70°-80°	196.6	5.5
80°-90°	45.8	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°	1033.5	29.1
0°-40°	1687.5	47.5
0°-60°	2916.9	82.0
0°-90°	3556.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3556.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1315	1315	1315	1315	1315	
5°	1311	1310	1310	1316	1318	124
15°	1256	1262	1276	1293	1299	354
25°	1150	1166	1191	1215	1225	530
35°	1001	1018	1051	1075	1084	626
45°	816	834	861	882	887	629
55°	609	622	640	655	660	543
65°	383	391	404	408	414	381
75°	174	177	183	187	190	188
85°	32	38	38	36	37	41
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1314.6	1314.6	1314.6	1314.6	1314.6
2.5°	1315.9	1313.3	1310.8	1315.9	1318.4
5°	1310.8	1309.5	1309.5	1315.9	1318.4
7.5°	1301.8	1301.8	1305.7	1314.6	1317.1
10°	1290.4	1292.9	1298.0	1310.8	1314.6
12.5°	1275.1	1280.2	1289.1	1304.4	1309.5
15°	1256.0	1262.4	1276.4	1292.9	1299.3
17.5°	1234.3	1243.2	1261.1	1280.2	1286.6
20°	1208.9	1220.3	1240.7	1262.4	1270.0
22.5°	1180.8	1194.8	1217.8	1240.7	1249.6
25°	1150.3	1165.5	1191.0	1215.2	1225.4
27.5°	1118.4	1133.7	1161.7	1185.9	1196.1
30°	1080.2	1098.0	1127.3	1152.8	1161.7
32.5°	1043.3	1061.1	1091.7	1114.6	1123.5
35°	1001.2	1017.8	1050.9	1075.1	1084.0
37.5°	956.6	975.7	1007.6	1029.2	1036.9
40°	913.3	929.9	960.5	982.1	989.8
42.5°	864.9	882.8	913.3	932.4	938.8
45°	816.5	834.3	861.1	881.5	886.6
47.5°	766.8	783.4	810.1	826.7	831.8
50°	713.3	728.6	754.1	770.7	777.0
52.5°	662.4	676.4	698.1	712.1	715.9
55°	608.9	621.6	639.5	654.7	659.8
57.5°	551.6	565.6	582.1	594.9	598.7
60°	496.8	508.3	522.3	533.7	535.0
62.5°	443.3	448.4	461.1	471.3	472.6
65°	383.4	391.1	403.8	407.6	414.0
67.5°	328.6	333.7	343.9	349.0	354.1
70°	272.6	276.4	286.6	293.0	294.3
72.5°	224.2	225.5	233.1	238.2	239.5
75°	174.5	177.1	183.4	187.3	189.8
77.5°	132.5	135.0	140.1	142.7	142.7
80°	93.0	96.8	101.9	103.2	104.5
82.5°	59.9	65.0	68.8	70.1	67.5
85°	31.8	38.2	38.2	35.7	36.9
87.5°	11.5	14.0	15.3	16.6	16.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)