

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: P298370

Luminaire Tested: **D3X-WO-35L82765-LD5-UNV-22-T1-W2A-6500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298370  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-35L82765-LD5-UNV-22-T1-W2A-6500K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (252) 80 CRI LEDS TUNED TO 6500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3700.0 lumens  
Efficiency: N/A  
Efficacy: 127.1 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

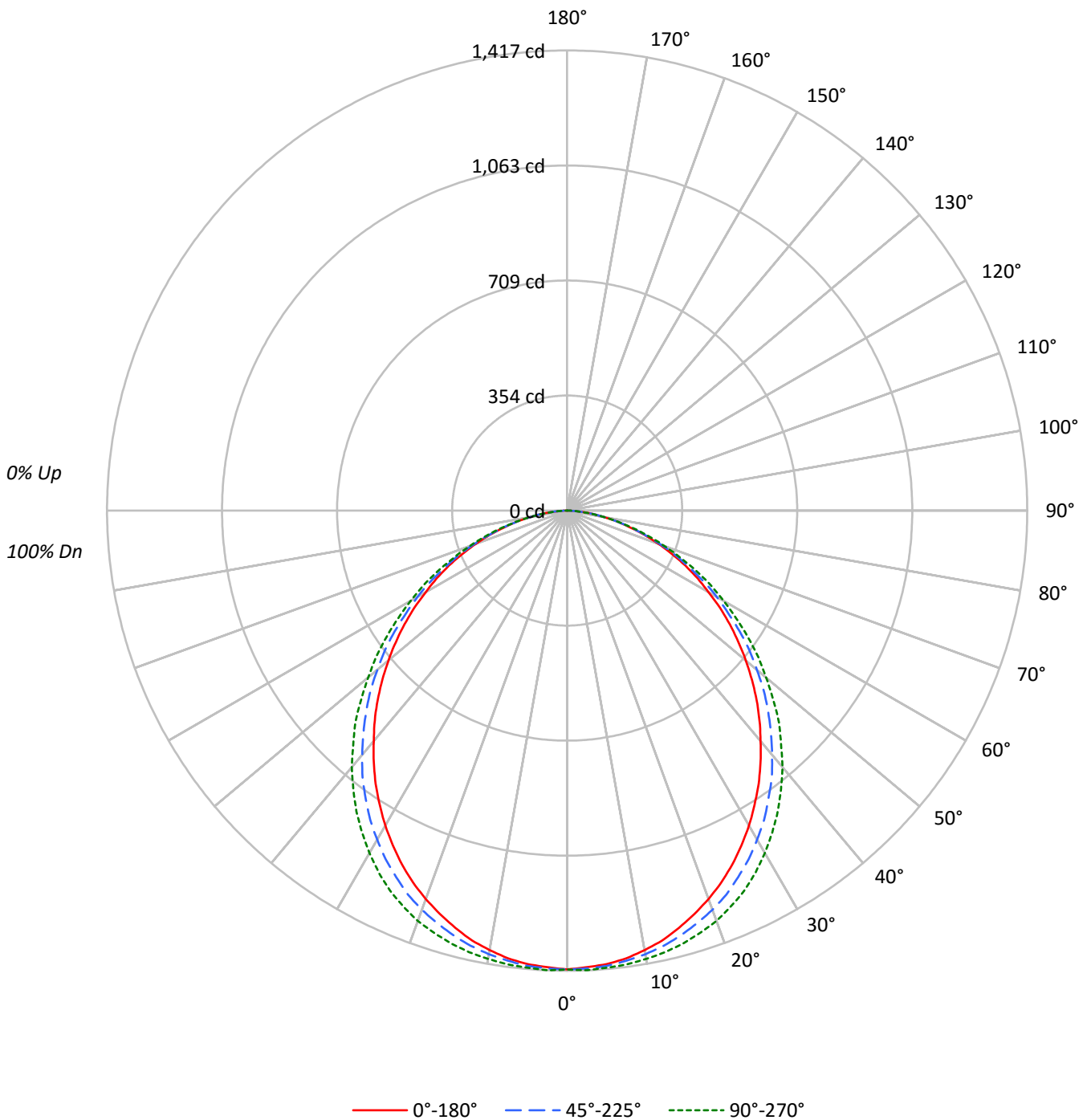
Input Watts (W): 29.1  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60					60			
4	84	72	63	57	81	70	62	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	48	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	31	43	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26					26			

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

	0°	45°	90°
0°	3802	3802	3802
5°	3787	3802	3817
10°	3755	3791	3831
15°	3706	3772	3844
20°	3645	3746	3851
25°	3572	3698	3834
30°	3480	3635	3784
35°	3377	3552	3716
40°	3255	3449	3624
45°	3141	3330	3513
50°	3008	3193	3347
55°	2869	3042	3189
60°	2707	2865	2995
65°	2557	2651	2780
70°	2348	2421	2507
75°	2088	2145	2203
80°	1799	1770	1770
85°	1365	1250	1136



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	133.7	3.6
10°-20°	382.1	10.3
20°-30°	573.6	15.5
30°-40°	675.1	18.2
40°-50°	673.4	18.2
50°-60°	577.9	15.6
60°-70°	413.8	11.2
70°-80°	219.2	5.9
80°-90°	51.2	1.4
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°	1089.4	29.4
0°-40°	1764.5	47.7
0°-60°	3015.7	81.5
0°-90°	3700.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3700.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1413	1413	1413	1413	1413	
5°	1402	1402	1408	1411	1413	133
15°	1330	1336	1354	1372	1380	375
25°	1203	1214	1245	1277	1291	554
35°	1028	1041	1081	1118	1131	642
45°	825	838	875	906	923	636
55°	612	621	648	671	680	547
65°	402	404	416	433	437	397
75°	201	201	206	210	212	215
85°	44	42	40	37	37	53
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1413.0	1413.0	1413.0	1413.0	1413.0
2.5°	1407.5	1407.5	1411.2	1414.8	1416.7
5°	1401.9	1401.9	1407.5	1411.2	1413.0
7.5°	1390.9	1390.9	1398.3	1405.6	1409.3
10°	1374.3	1378.0	1387.2	1398.3	1401.9
12.5°	1355.9	1359.6	1372.5	1387.2	1392.7
15°	1330.1	1335.6	1354.0	1372.5	1379.8
17.5°	1302.5	1309.8	1331.9	1354.0	1363.3
20°	1273.0	1280.4	1308.0	1333.8	1344.8
22.5°	1239.8	1249.0	1280.4	1308.0	1319.0
25°	1203.0	1214.0	1245.4	1276.7	1291.4
27.5°	1162.5	1175.3	1210.4	1243.5	1256.4
30°	1120.1	1134.8	1169.8	1204.8	1217.7
32.5°	1074.0	1086.9	1129.3	1162.5	1175.3
35°	1028.0	1040.9	1081.4	1118.2	1131.1
37.5°	978.2	994.8	1035.3	1068.5	1081.4
40°	926.6	943.2	981.9	1020.6	1031.7
42.5°	876.9	891.6	928.5	963.5	974.5
45°	825.3	838.2	875.1	906.4	923.0
47.5°	771.9	784.8	821.6	851.1	860.3
50°	718.5	731.4	762.7	788.5	799.5
52.5°	665.0	677.9	707.4	731.4	742.4
55°	611.6	620.8	648.5	670.6	679.8
57.5°	558.2	565.6	587.7	611.6	617.1
60°	502.9	512.1	532.4	549.0	556.4
62.5°	453.2	456.9	475.3	490.0	499.2
65°	401.6	403.5	416.3	432.9	436.6
67.5°	348.2	350.0	362.9	372.1	375.8
70°	298.4	298.4	307.7	315.0	318.7
72.5°	250.5	248.7	254.2	261.6	265.3
75°	200.8	200.8	206.3	210.0	211.9
77.5°	158.4	154.7	158.4	162.1	162.1
80°	116.1	114.2	114.2	116.1	114.2
82.5°	79.2	77.4	79.2	75.5	73.7
85°	44.2	42.4	40.5	36.8	36.8
87.5°	14.7	12.9	12.9	14.7	14.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)