

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: P298447

Luminaire Tested: **D3X-WO-35L92765-LD5-UNV-22-T1-W2A-3000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298447  
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-35L92765-LD5-UNV-22-T1-W2A-3000K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH OPAL LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 3000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2885.0 lumens  
Efficiency: N/A  
Efficacy: 104.5 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

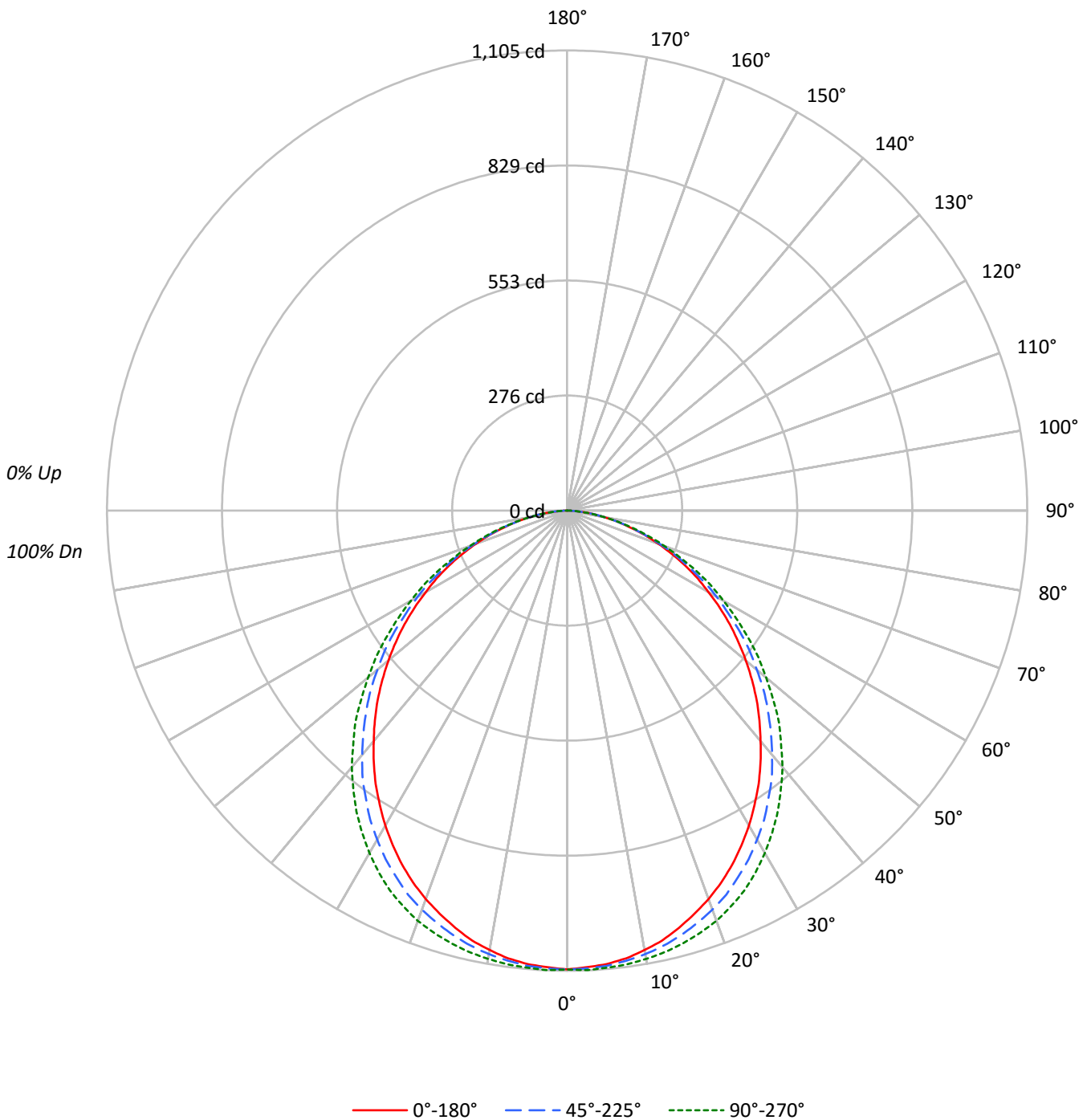
Input Watts (W): 27.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2965	2965	2965
5°	2953	2964	2976
10°	2928	2955	2987
15°	2889	2941	2997
20°	2842	2921	3003
25°	2785	2883	2990
30°	2714	2834	2950
35°	2633	2770	2897
40°	2538	2689	2826
45°	2449	2597	2739
50°	2345	2490	2610
55°	2237	2372	2487
60°	2111	2234	2335
65°	1994	2067	2167
70°	1831	1888	1955
75°	1628	1673	1718
80°	1402	1381	1381
85°	1065	976	886



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.2	3.6
10°-20°	297.9	10.3
20°-30°	447.3	15.5
30°-40°	526.4	18.2
40°-50°	525.1	18.2
50°-60°	450.6	15.6
60°-70°	322.7	11.2
70°-80°	170.9	5.9
80°-90°	40.0	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°	849.4	29.4
0°-40°	1375.8	47.7
0°-60°	2351.4	81.5
0°-90°	2885.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2885.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1102	1102	1102	1102	1102	
5°	1093	1093	1097	1100	1102	104
15°	1037	1041	1056	1070	1076	292
25°	938	947	971	996	1007	432
35°	802	812	843	872	882	501
45°	644	654	682	707	720	496
55°	477	484	506	523	530	426
65°	313	315	325	338	340	309
75°	157	157	161	164	165	168
85°	34	33	32	29	29	42
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1101.8	1101.8	1101.8	1101.8	<i>1101.8</i>
2.5°	<i>1097.4</i>	<i>1097.4</i>	<i>1100.3</i>	<i>1103.2</i>	<i>1104.6</i>
5°	1093.1	1093.1	1097.4	1100.3	<i>1101.8</i>
7.5°	1084.5	1084.5	1090.3	1096.0	<i>1098.9</i>
10°	1071.6	1074.5	1081.6	1090.3	<i>1093.1</i>
12.5°	1057.2	1060.1	1070.2	1081.6	<i>1086.0</i>
15°	1037.1	1041.4	1055.8	1070.2	<i>1075.9</i>
17.5°	1015.6	1021.3	1038.6	1055.8	<i>1063.0</i>
20°	992.6	998.3	1019.9	1040.0	<i>1048.6</i>
22.5°	966.7	973.9	998.3	1019.9	<i>1028.5</i>
25°	938.0	946.6	971.0	995.5	<i>1006.9</i>
27.5°	906.4	916.5	943.7	969.6	<i>979.7</i>
30°	873.4	884.9	912.1	939.4	<i>949.5</i>
32.5°	837.4	847.5	880.5	906.4	<i>916.5</i>
35°	801.5	811.6	843.2	871.9	<i>882.0</i>
37.5°	762.8	775.7	807.3	833.1	<i>843.2</i>
40°	722.5	735.5	765.6	795.8	<i>804.4</i>
42.5°	683.7	695.2	724.0	751.3	<i>759.9</i>
45°	643.5	653.6	682.3	706.7	<i>719.7</i>
47.5°	601.9	611.9	640.7	663.6	<i>670.8</i>
50°	560.2	570.3	594.7	614.8	<i>623.4</i>
52.5°	518.6	528.6	551.6	570.3	<i>578.9</i>
55°	476.9	484.1	505.6	522.9	<i>530.0</i>
57.5°	435.2	441.0	458.2	476.9	<i>481.2</i>
60°	392.2	399.3	415.1	428.1	<i>433.8</i>
62.5°	353.4	356.2	370.6	382.1	<i>389.3</i>
65°	313.1	314.6	324.6	337.6	<i>340.4</i>
67.5°	271.5	272.9	283.0	290.2	<i>293.0</i>
70°	232.7	232.7	239.9	245.6	<i>248.5</i>
72.5°	195.4	193.9	198.2	204.0	<i>206.8</i>
75°	156.6	156.6	160.9	163.8	<i>165.2</i>
77.5°	123.5	120.7	123.5	126.4	<i>126.4</i>
80°	90.5	89.1	89.1	90.5	<i>89.1</i>
82.5°	61.8	60.3	61.8	58.9	<i>57.5</i>
85°	34.5	33.0	31.6	28.7	<i>28.7</i>
87.5°	11.5	10.1	10.1	11.5	<i>11.5</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>

(END OF REPORT)