

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: P298114

Luminaire Tested: **D3X-WD-35L92765-LD5-UNV-22-T1-W2A-4500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298114  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WD-35L92765-LD5-UNV-22-T1-W2A-4500K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH ROUND PERF LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 4500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2968.0 lumens  
Efficiency: N/A  
Efficacy: 104.1 lumens/watt  
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

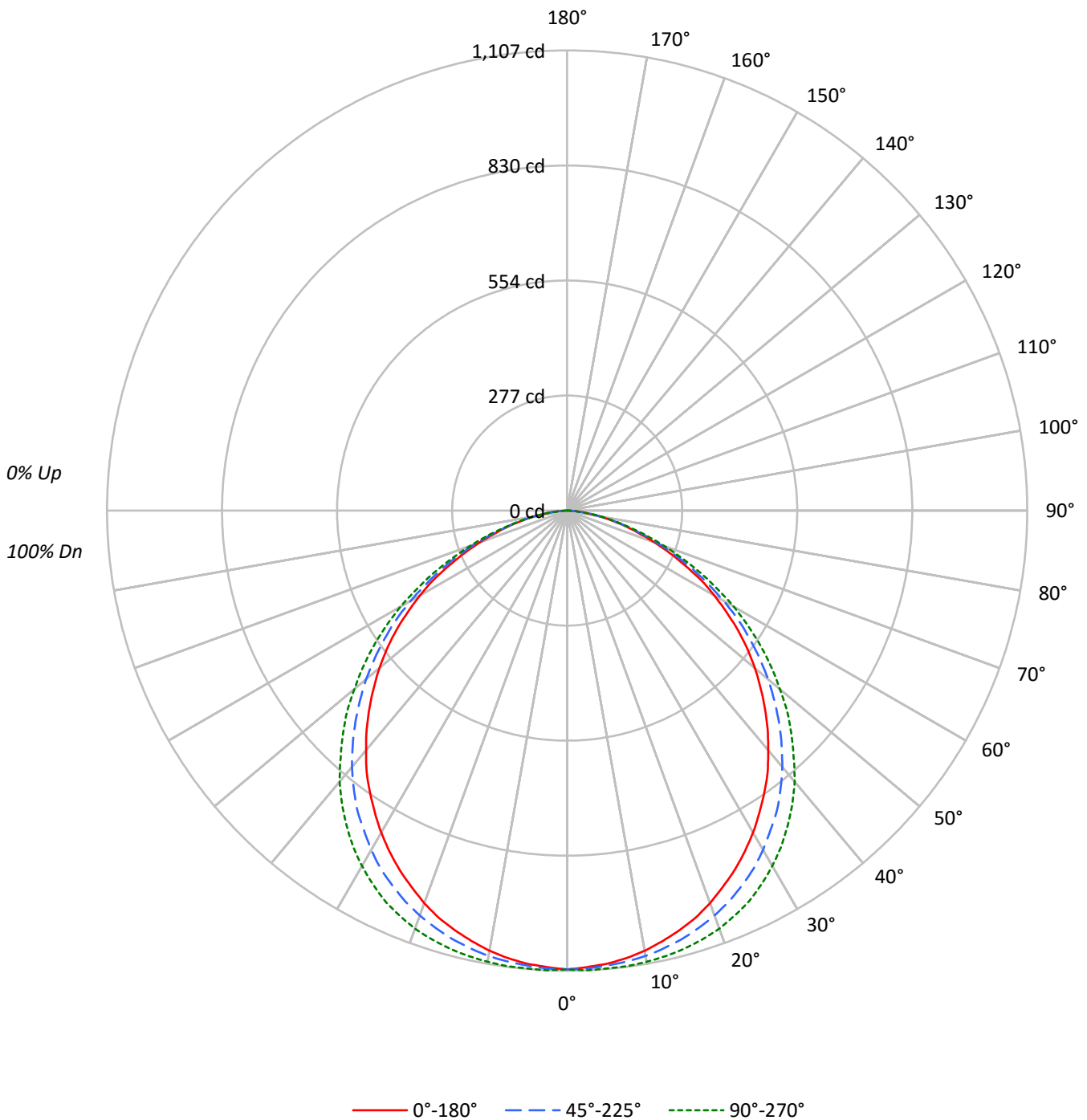
Input Watts (W): 28.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	96	98	95	93	95	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61					61			
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	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	42	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26					26			

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

	0°	45°	90°
0°	2971	2971	2971
5°	2956	2969	2986
10°	2938	2973	3012
15°	2911	2973	3040
20°	2878	2969	3065
25°	2832	2955	3078
30°	2780	2929	3068
35°	2718	2892	3039
40°	2643	2829	2991
45°	2560	2742	2906
50°	2468	2642	2796
55°	2353	2511	2668
60°	2201	2338	2493
65°	1994	2116	2248
70°	1760	1847	1948
75°	1512	1545	1612
80°	1213	1238	1263
85°	889	790	790



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.6	3.5
10°-20°	301.4	10.2
20°-30°	458.4	15.4
30°-40°	548.4	18.5
40°-50°	554.4	18.7
50°-60°	477.1	16.1
60°-70°	329.4	11.1
70°-80°	159.7	5.4
80°-90°	34.7	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°	864.3	29.1
0°-40°	1412.7	47.6
0°-60°	2444.2	82.4
0°-90°	2968.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2968.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1104	1104	1104	1104	1104	
5°	1094	1096	1099	1104	1106	104
15°	1045	1051	1067	1083	1091	295
25°	954	965	995	1026	1037	439
35°	828	842	880	912	925	517
45°	673	685	720	751	764	519
55°	502	510	535	559	569	447
65°	313	318	332	347	353	312
75°	145	142	149	153	155	154
85°	29	29	26	26	26	35
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1103.9	1103.9	1103.9	1103.9	<i>1103.9</i>
2.5°	<i>1099.1</i>	<i>1099.1</i>	<i>1102.3</i>	<i>1105.5</i>	<i>1107.1</i>
5°	1094.3	1095.9	1099.1	1103.9	<i>1105.5</i>
7.5°	1086.3	1087.9	1094.3	1102.3	<i>1105.5</i>
10°	1075.2	1078.4	1087.9	1097.5	<i>1102.3</i>
12.5°	1060.8	1067.2	1078.4	1091.1	<i>1097.5</i>
15°	1044.8	1051.2	1067.2	1083.2	<i>1091.1</i>
17.5°	1027.2	1033.6	1052.8	1073.6	<i>1081.6</i>
20°	1004.9	1014.5	1036.8	1060.8	<i>1070.4</i>
22.5°	979.3	992.1	1017.7	1043.2	<i>1054.4</i>
25°	953.7	964.9	995.3	1025.6	<i>1036.8</i>
27.5°	925.0	937.8	971.3	1001.7	<i>1012.9</i>
30°	894.6	907.4	942.6	976.1	<i>987.3</i>
32.5°	861.1	877.1	910.6	945.8	<i>958.5</i>
35°	827.5	841.9	880.3	912.2	<i>925.0</i>
37.5°	792.4	805.2	843.5	877.1	<i>889.8</i>
40°	752.5	766.8	805.2	838.7	<i>851.5</i>
42.5°	714.1	728.5	763.6	795.6	<i>806.8</i>
45°	672.6	685.4	720.5	750.9	<i>763.6</i>
47.5°	631.0	645.4	675.8	706.1	<i>718.9</i>
50°	589.5	600.7	631.0	659.8	<i>667.8</i>
52.5°	546.4	556.0	583.1	608.7	<i>619.9</i>
55°	501.6	509.6	535.2	559.1	<i>568.7</i>
57.5°	453.7	463.3	487.3	504.8	<i>516.0</i>
60°	409.0	413.8	434.5	452.1	<i>463.3</i>
62.5°	364.2	365.8	381.8	399.4	<i>405.8</i>
65°	313.1	317.9	332.3	346.7	<i>353.1</i>
67.5°	266.8	271.6	282.8	294.0	<i>298.7</i>
70°	223.7	223.7	234.8	242.8	<i>247.6</i>
72.5°	180.5	182.1	190.1	194.9	<i>199.7</i>
75°	145.4	142.2	148.6	153.4	<i>155.0</i>
77.5°	108.6	107.0	111.8	113.4	<i>116.6</i>
80°	78.3	78.3	79.9	81.5	<i>81.5</i>
82.5°	51.1	51.1	52.7	49.5	<i>47.9</i>
85°	28.8	28.8	25.6	25.6	<i>25.6</i>
87.5°	9.6	9.6	9.6	11.2	<i>9.6</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>

(END OF REPORT)