

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: P298197

Luminaire Tested: **D3X-WG-35L82765-LD5-UNV-22-T1-W2A-4000K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298197  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)  
Test Lab: INNOVATION CENTER(G3)  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-35L82765-LD5-UNV-22-T1-W2A-4000K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (252) 80 CRI LEDS TUNED TO 4000K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3315.0 lumens  
Efficiency: N/A  
Efficacy: 117.1 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

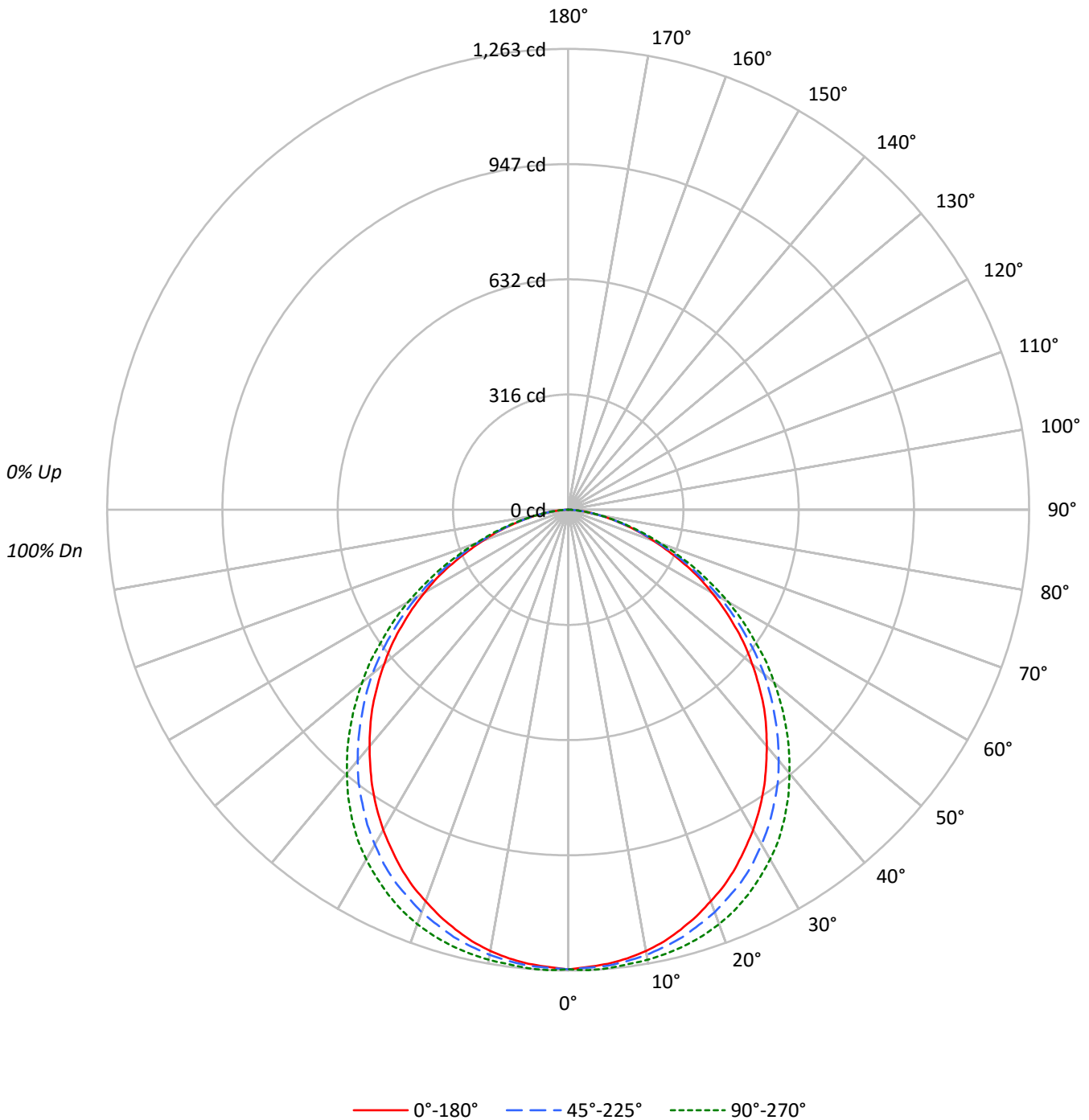
Input Watts (W): 28.3  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72					72			
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61					61			
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52					52			
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45					45			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40					40			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35					35			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28					28			
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26					26			

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

	0°	45°	90°
0°	3390	3390	3390
5°	3374	3389	3408
10°	3356	3385	3423
15°	3319	3377	3446
20°	3270	3361	3462
25°	3218	3338	3458
30°	3149	3291	3439
35°	3069	3231	3393
40°	2973	3152	3313
45°	2879	3047	3214
50°	2755	2932	3086
55°	2616	2765	2914
60°	2443	2576	2727
65°	2229	2330	2465
70°	1952	2035	2118
75°	1665	1701	1775
80°	1336	1364	1390
85°	979	923	871



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.3	3.6
10°-20°	342.2	10.3
20°-30°	517.4	15.6
30°-40°	614.5	18.5
40°-50°	617.0	18.6
50°-60°	527.0	15.9
60°-70°	363.1	11.0
70°-80°	176.0	5.3
80°-90°	38.5	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°	978.9	29.5
0°-40°	1593.4	48.1
0°-60°	2737.4	82.6
0°-90°	3315.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3315.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1260	1260	1260	1260	1260	
5°	1249	1249	1254	1258	1262	119
15°	1191	1196	1212	1228	1237	336
25°	1084	1093	1124	1154	1165	499
35°	934	948	984	1020	1033	584
45°	757	767	801	834	844	582
55°	558	566	589	614	621	499
65°	350	350	366	382	387	347
75°	160	157	164	167	171	172
85°	32	32	30	28	28	39
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1259.8	1259.8	1259.8	1259.8	1259.8
2.5°	1254.5	1254.5	1256.3	1261.5	1263.3
5°	1249.2	1249.2	1254.5	1258.0	1261.5
7.5°	1240.4	1242.2	1247.5	1254.5	1256.3
10°	1228.1	1229.9	1238.7	1247.5	1252.7
12.5°	1212.3	1215.8	1226.3	1240.4	1245.7
15°	1191.2	1196.4	1212.3	1228.1	1236.9
17.5°	1168.3	1175.3	1192.9	1215.8	1224.6
20°	1141.9	1150.7	1173.6	1198.2	1208.8
22.5°	1115.5	1122.5	1148.9	1177.1	1189.4
25°	1083.8	1092.6	1124.3	1154.2	1164.8
27.5°	1048.6	1061.0	1094.4	1126.1	1136.6
30°	1013.5	1024.0	1059.2	1094.4	1106.7
32.5°	974.7	985.3	1024.0	1059.2	1073.3
35°	934.3	948.4	983.5	1020.5	1032.8
37.5°	890.3	906.1	943.1	974.7	990.6
40°	846.3	860.4	897.3	930.8	943.1
42.5°	802.3	814.6	849.8	885.0	895.6
45°	756.6	767.1	800.6	834.0	844.5
47.5°	707.3	719.6	751.3	779.4	791.8
50°	658.0	670.4	700.3	726.7	737.2
52.5°	610.5	617.6	645.7	670.4	682.7
55°	557.7	566.5	589.4	614.1	621.1
57.5°	506.7	512.0	534.9	556.0	566.5
60°	453.9	457.5	478.6	494.4	506.7
62.5°	404.7	404.7	420.5	438.1	445.1
65°	350.1	350.1	366.0	381.8	387.1
67.5°	297.3	300.9	311.4	323.7	327.3
70°	248.1	248.1	258.6	267.4	269.2
72.5°	204.1	202.3	207.6	214.7	218.2
75°	160.1	156.6	163.6	167.1	170.7
77.5°	121.4	119.6	123.2	126.7	126.7
80°	86.2	84.5	88.0	88.0	89.7
82.5°	56.3	58.1	58.1	56.3	54.5
85°	31.7	31.7	29.9	28.2	28.2
87.5°	10.6	10.6	10.6	12.3	12.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)