

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: P298284

Luminaire Tested: **D3X-WG-35L92765-LD5-UNV-22-T1-W2A-5500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298284  
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-35L92765-LD5-UNV-22-T1-W2A-5500K  
Description: D3X LED 2x2 TUNABLE WHITE TROFFER  
WITH RECTANGULAR PERF LENS  
Light Source: (252) 90 CRI LEDS TUNED TO 5500K CCT  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3118.0 lumens  
Efficiency: N/A  
Efficacy: 109.0 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

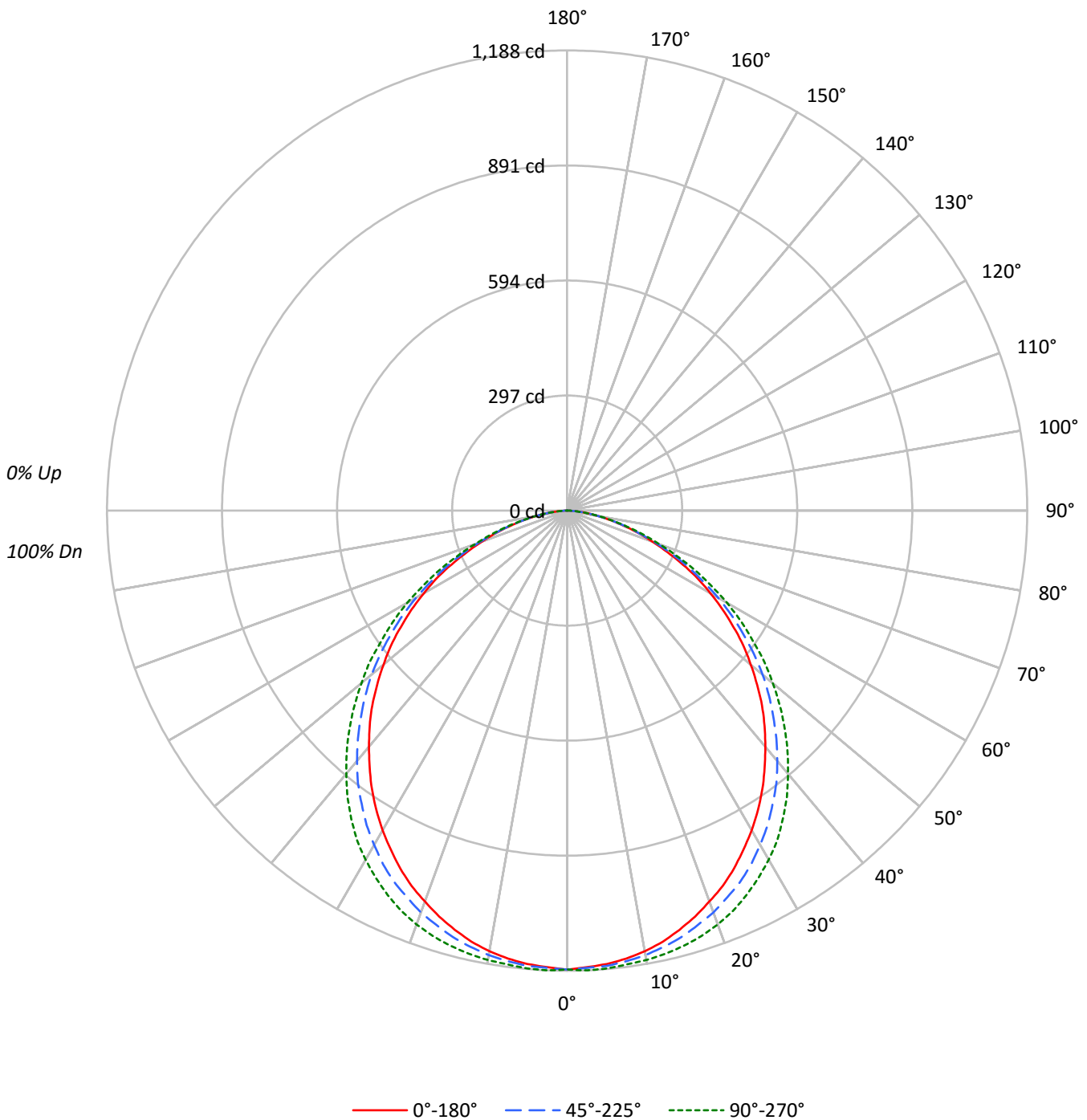
Input Watts (W): 28.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111		106	106	106		102	102	102	100
1	109	105	101	97	107	103	99	96	98	95	93		95	92	90		91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77		83	79	76		80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65		74	69	64		71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56		66	60	55		64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49		59	53	48		58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43		54	47	42		52	47	42	40
7	66	53	44	38	64	52	44	38	51	43	38		49	43	38		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	39	34		44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31		42	35	30		41	35	30	28
10	54	41	33	28	53	40	33	28	40	33	28		39	32	28		38	32	28	26

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

	0°	45°	90°
0°	3189	3189	3189
5°	3174	3187	3205
10°	3156	3184	3220
15°	3121	3176	3241
20°	3076	3161	3256
25°	3027	3140	3253
30°	2962	3096	3234
35°	2887	3039	3191
40°	2796	2965	3116
45°	2708	2866	3023
50°	2591	2758	2903
55°	2461	2601	2741
60°	2298	2422	2565
65°	2097	2192	2318
70°	1836	1914	1992
75°	1566	1600	1669
80°	1257	1282	1308
85°	920	868	818



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.2	3.6
10°-20°	321.9	10.3
20°-30°	486.6	15.6
30°-40°	578.0	18.5
40°-50°	580.3	18.6
50°-60°	495.7	15.9
60°-70°	341.5	11.0
70°-80°	165.6	5.3
80°-90°	36.2	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°	920.7	29.5
0°-40°	1498.7	48.1
0°-60°	2574.7	82.6
0°-90°	3118.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3118.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1185	1185	1185	1185	1185	
5°	1175	1175	1180	1183	1187	112
15°	1120	1125	1140	1155	1163	316
25°	1019	1028	1058	1086	1096	469
35°	879	892	925	960	971	549
45°	712	722	753	784	794	548
55°	525	533	554	578	584	469
65°	329	329	344	359	364	326
75°	151	147	154	157	160	162
85°	30	30	28	26	26	36
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1184.9	1184.9	1184.9	1184.9	1184.9
2.5°	1179.9	1179.9	1181.6	1186.6	1188.2
5°	1175.0	1175.0	1179.9	1183.3	1186.6
7.5°	1166.7	1168.4	1173.3	1179.9	1181.6
10°	1155.1	1156.8	1165.1	1173.3	1178.3
12.5°	1140.2	1143.5	1153.5	1166.7	1171.7
15°	1120.4	1125.3	1140.2	1155.1	1163.4
17.5°	1098.9	1105.5	1122.0	1143.5	1151.8
20°	1074.0	1082.3	1103.8	1127.0	1136.9
22.5°	1049.2	1055.8	1080.7	1107.1	1118.7
25°	1019.4	1027.7	1057.5	1085.6	1095.5
27.5°	986.3	997.9	1029.4	1059.1	1069.1
30°	953.2	963.2	996.3	1029.4	1040.9
32.5°	916.8	926.7	963.2	996.3	1009.5
35°	878.8	892.0	925.1	959.8	971.4
37.5°	837.4	852.3	887.0	916.8	931.7
40°	796.0	809.2	844.0	875.4	887.0
42.5°	754.6	766.2	799.3	832.4	842.3
45°	711.6	721.5	753.0	784.4	794.4
47.5°	665.3	676.9	706.6	733.1	744.7
50°	618.9	630.5	658.7	683.5	693.4
52.5°	574.3	580.9	607.3	630.5	642.1
55°	524.6	532.9	554.4	577.6	584.2
57.5°	476.6	481.6	503.1	522.9	532.9
60°	427.0	430.3	450.1	465.0	476.6
62.5°	380.6	380.6	395.5	412.1	418.7
65°	329.3	329.3	344.2	359.1	364.1
67.5°	279.7	283.0	292.9	304.5	307.8
70°	233.3	233.3	243.3	251.5	253.2
72.5°	192.0	190.3	195.3	201.9	205.2
75°	150.6	147.3	153.9	157.2	160.5
77.5°	114.2	112.5	115.8	119.2	119.2
80°	81.1	79.4	82.7	82.7	84.4
82.5°	53.0	54.6	54.6	53.0	51.3
85°	29.8	29.8	28.1	26.5	26.5
87.5°	9.9	9.9	9.9	11.6	11.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)