

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: P298266

Luminaire Tested: **D3X-WG-25L92765-LD5-UNV-22-T1-W2A-5500K**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P298266  
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-25L92765-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: 2171.0 lumens  
Efficiency: N/A  
Efficacy: 111.9 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

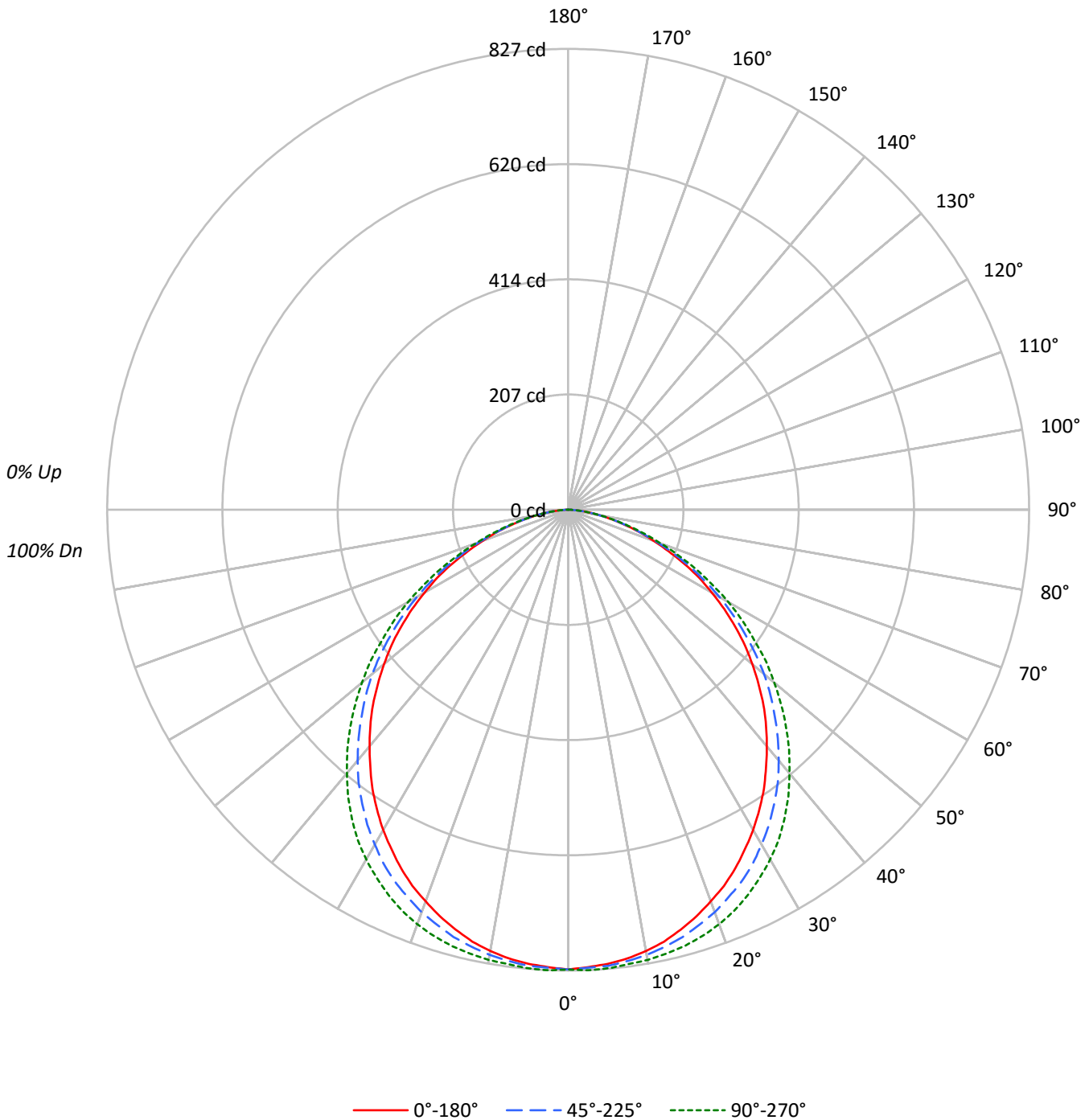
Input Watts (W): 19.4  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	2220	2220	2220
5°	2210	2219	2232
10°	2198	2217	2242
15°	2173	2212	2257
20°	2141	2201	2267
25°	2108	2186	2265
30°	2062	2156	2252
35°	2010	2116	2222
40°	1947	2064	2170
45°	1886	1995	2105
50°	1804	1920	2021
55°	1714	1811	1909
60°	1600	1687	1786
65°	1460	1526	1614
70°	1279	1333	1387
75°	1091	1115	1162
80°	876	893	911
85°	639	605	568



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	78.1	3.6
10°-20°	224.1	10.3
20°-30°	338.8	15.6
30°-40°	402.5	18.5
40°-50°	404.1	18.6
50°-60°	345.1	15.9
60°-70°	237.8	11.0
70°-80°	115.3	5.3
80°-90°	25.2	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°	641.1	29.5
0°-40°	1043.5	48.1
0°-60°	1792.7	82.6
0°-90°	2171.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2171.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	825	825	825	825	825	
5°	818	818	822	824	826	78
15°	780	784	794	804	810	220
25°	710	716	736	756	763	327
35°	612	621	644	668	676	382
45°	496	502	524	546	553	381
55°	365	371	386	402	407	327
65°	229	229	240	250	254	227
75°	105	103	107	110	112	113
85°	21	21	20	18	18	25
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	825.0	825.0	825.0	825.0	825.0
2.5°	821.6	821.6	822.7	826.2	827.3
5°	818.1	818.1	821.6	823.9	826.2
7.5°	812.4	813.5	817.0	821.6	822.7
10°	804.3	805.4	811.2	817.0	820.4
12.5°	793.9	796.2	803.1	812.4	815.8
15°	780.1	783.5	793.9	804.3	810.1
17.5°	765.1	769.7	781.2	796.2	802.0
20°	747.8	753.6	768.6	784.7	791.6
22.5°	730.5	735.2	752.4	770.9	778.9
25°	709.8	715.6	736.3	755.9	762.8
27.5°	686.8	694.8	716.7	737.5	744.4
30°	663.7	670.6	693.7	716.7	724.8
32.5°	638.4	645.3	670.6	693.7	702.9
35°	611.9	621.1	644.1	668.3	676.4
37.5°	583.1	593.4	617.6	638.4	648.7
40°	554.2	563.5	587.7	609.6	617.6
42.5°	525.4	533.5	556.5	579.6	586.5
45°	495.5	502.4	524.3	546.2	553.1
47.5°	463.2	471.3	492.0	510.5	518.5
50°	431.0	439.0	458.6	475.9	482.8
52.5°	399.8	404.4	422.9	439.0	447.1
55°	365.3	371.0	386.0	402.1	406.8
57.5°	331.9	335.3	350.3	364.1	371.0
60°	297.3	299.6	313.4	323.8	331.9
62.5°	265.0	265.0	275.4	286.9	291.5
65°	229.3	229.3	239.7	250.0	253.5
67.5°	194.7	197.0	204.0	212.0	214.3
70°	162.5	162.5	169.4	175.1	176.3
72.5°	133.7	132.5	136.0	140.6	142.9
75°	104.9	102.6	107.2	109.5	111.8
77.5°	79.5	78.4	80.7	83.0	83.0
80°	56.5	55.3	57.6	57.6	58.8
82.5°	36.9	38.0	38.0	36.9	35.7
85°	20.7	20.7	19.6	18.4	18.4
87.5°	6.9	6.9	6.9	8.1	8.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)