

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: P298437

Luminaire Tested: **D3X-WO-31L92765-LD5-UNV-22-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298437
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-31L92765-LD5-UNV-22-T1-W2A-2700K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2464.0 lumens
Efficiency: N/A
Efficacy: 101.0 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

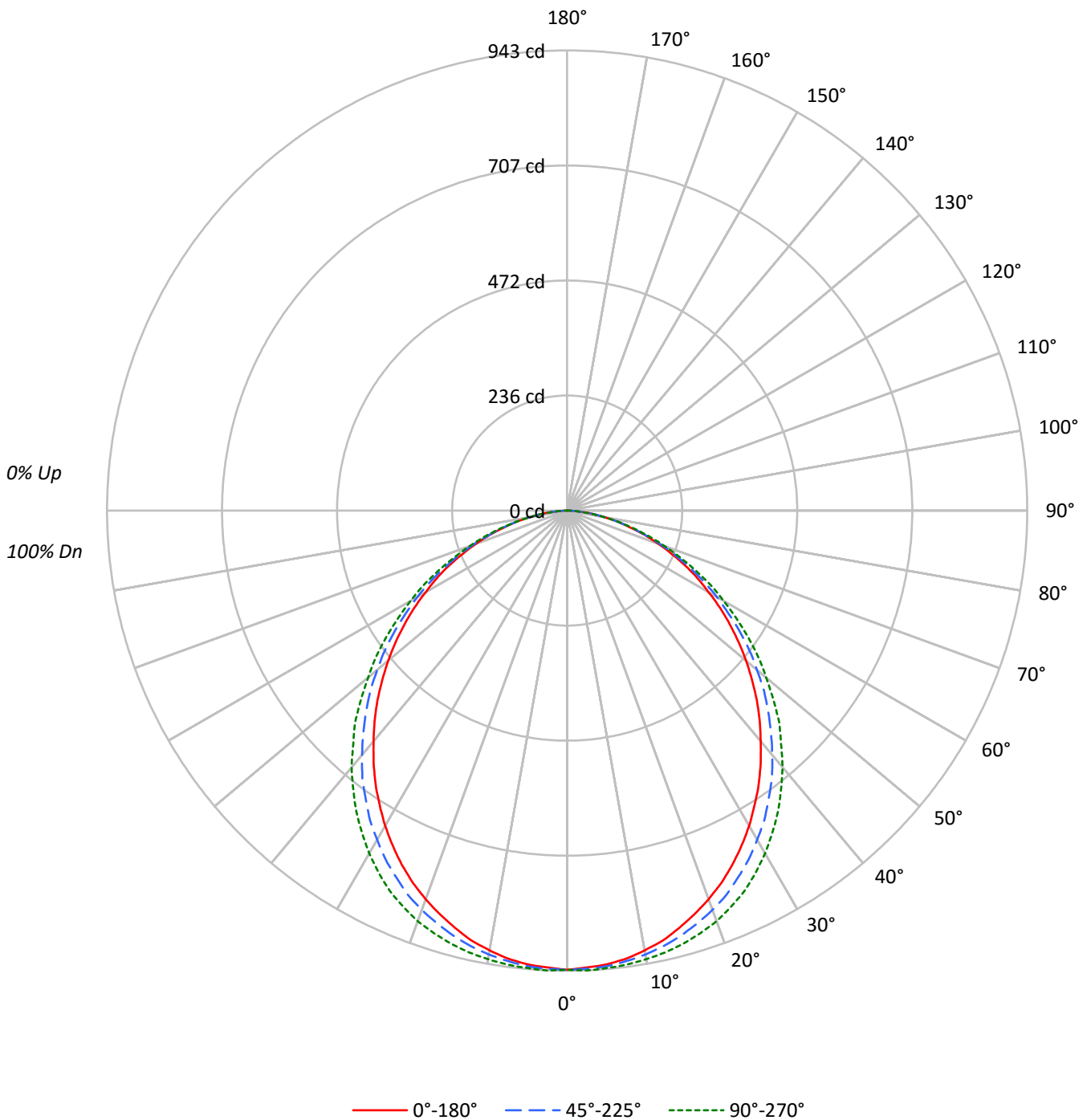
Input Watts (W): 24.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	56	68	61	56	66	60	55	64	58	54	52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37	35
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33	31
9	57	44	36	31	56	44	36	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2532	2532	2532
5°	2522	2532	2542
10°	2501	2524	2551
15°	2468	2512	2560
20°	2428	2494	2565
25°	2379	2462	2553
30°	2318	2421	2520
35°	2249	2366	2475
40°	2168	2297	2413
45°	2092	2218	2339
50°	2003	2126	2229
55°	1911	2026	2124
60°	1802	1908	1994
65°	1703	1766	1852
70°	1563	1612	1670
75°	1390	1429	1467
80°	1198	1179	1179
85°	908	834	756



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.0	3.6
10°-20°	254.4	10.3
20°-30°	382.0	15.5
30°-40°	449.6	18.2
40°-50°	448.4	18.2
50°-60°	384.8	15.6
60°-70°	275.6	11.2
70°-80°	146.0	5.9
80°-90°	34.1	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°	725.4	29.4
0°-40°	1175.0	47.7
0°-60°	2008.3	81.5
0°-90°	2464.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2464.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	941	941	941	941	941	
5°	934	934	937	940	941	89
15°	886	890	902	914	919	250
25°	801	808	829	850	860	369
35°	685	693	720	745	753	428
45°	550	558	583	604	615	424
55°	407	413	432	447	453	364
65°	267	269	277	288	291	264
75°	134	134	137	140	141	143
85°	29	28	27	24	24	36
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	941.0	941.0	941.0	941.0	941.0
2.5°	937.3	937.3	939.8	942.2	943.4
5°	933.6	933.6	937.3	939.8	941.0
7.5°	926.3	926.3	931.2	936.1	938.5
10°	915.2	917.7	923.8	931.2	933.6
12.5°	902.9	905.4	914.0	923.8	927.5
15°	885.8	889.5	901.7	914.0	918.9
17.5°	867.4	872.3	887.0	901.7	907.9
20°	847.7	852.6	871.0	888.2	895.6
22.5°	825.7	831.8	852.6	871.0	878.4
25°	801.1	808.5	829.3	850.2	860.0
27.5°	774.1	782.7	806.0	828.1	836.7
30°	745.9	755.7	779.0	802.3	810.9
32.5°	715.2	723.8	752.0	774.1	782.7
35°	684.6	693.2	720.1	744.7	753.3
37.5°	651.4	662.5	689.5	711.6	720.1
40°	617.1	628.1	653.9	679.7	687.0
42.5°	584.0	593.8	618.3	641.6	649.0
45°	549.6	558.2	582.7	603.6	614.6
47.5°	514.0	522.6	547.2	566.8	572.9
50°	478.5	487.1	507.9	525.1	532.4
52.5°	442.9	451.5	471.1	487.1	494.4
55°	407.3	413.4	431.8	446.6	452.7
57.5°	371.7	376.6	391.4	407.3	411.0
60°	334.9	341.1	354.6	365.6	370.5
62.5°	301.8	304.3	316.5	326.3	332.5
65°	267.4	268.7	277.3	288.3	290.8
67.5°	231.9	233.1	241.7	247.8	250.3
70°	198.7	198.7	204.9	209.8	212.2
72.5°	166.8	165.6	169.3	174.2	176.7
75°	133.7	133.7	137.4	139.9	141.1
77.5°	105.5	103.1	105.5	108.0	108.0
80°	77.3	76.1	76.1	77.3	76.1
82.5°	52.8	51.5	52.8	50.3	49.1
85°	29.4	28.2	27.0	24.5	24.5
87.5°	9.8	8.6	8.6	9.8	9.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)