

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: P298432

Luminaire Tested: **D3X-WO-25L92765-LD5-UNV-22-T1-W2A-4500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298432
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-25L92765-LD5-UNV-22-T1-W2A-4500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 4500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2233.0 lumens
Efficiency: N/A
Efficacy: 115.7 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

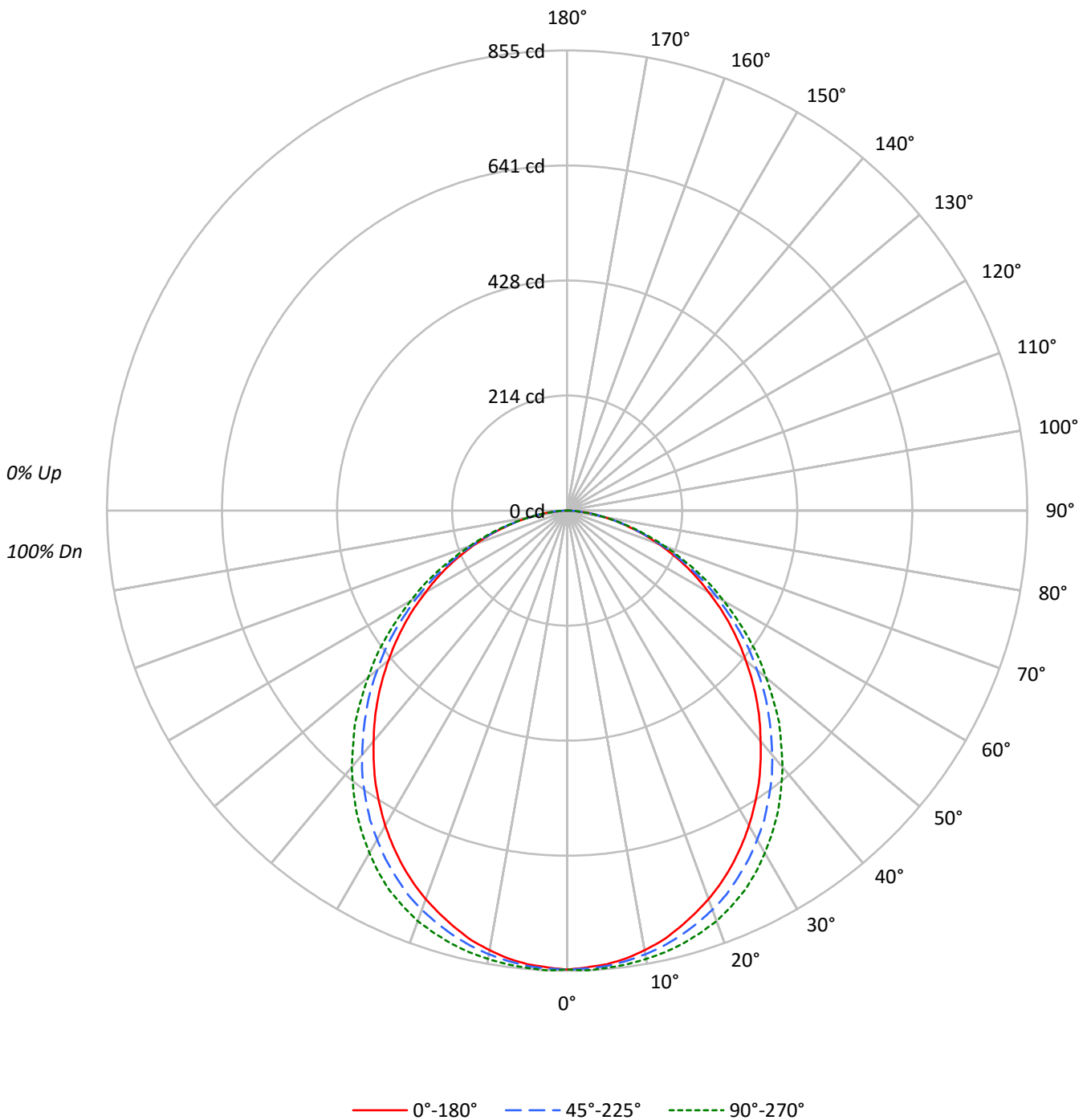
Input Watts (W): 19.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P298432

CATALOG NUMBER: D3X-WO-25L92765-LD5-UNV-22-T1-W2A-4500K

Luminous Intensity Polar Plot





TEST NUMBER: P298432

CATALOG NUMBER: D3X-WO-25L92765-LD5-UNV-22-T1-W2A-4500K

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	102	99	95	98	95	92	94	92	89	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71					71			
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60					60			
4	84	72	63	57	81	70	62	56	68	61	56	66	60	55	64	58	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	43	35	30	41	35	30	40	34	30	28					28			
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2295	2295	2295
5°	2286	2294	2304
10°	2266	2288	2312
15°	2236	2277	2320
20°	2200	2261	2324
25°	2156	2232	2314
30°	2101	2194	2284
35°	2038	2144	2243
40°	1964	2082	2187
45°	1896	2010	2120
50°	1815	1927	2020
55°	1732	1836	1925
60°	1633	1729	1807
65°	1543	1600	1678
70°	1417	1461	1513
75°	1260	1294	1330
80°	1085	1068	1068
85°	824	756	685



TEST NUMBER: P298432

CATALOG NUMBER: D3X-WO-25L92765-LD5-UNV-22-T1-W2A-4500K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.7	3.6
10°-20°	230.6	10.3
20°-30°	346.2	15.5
30°-40°	407.4	18.2
40°-50°	406.4	18.2
50°-60°	348.7	15.6
60°-70°	249.8	11.2
70°-80°	132.3	5.9
80°-90°	30.9	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°	657.4	29.4
0°-40°	1064.9	47.7
0°-60°	1820.0	81.5
0°-90°	2233.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2233.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	853	853	853	853	853	
5°	846	846	849	852	853	80
15°	803	806	817	828	833	226
25°	726	733	752	770	779	334
35°	620	628	653	675	683	388
45°	498	506	528	547	557	384
55°	369	375	391	405	410	330
65°	242	244	251	261	264	239
75°	121	121	124	127	128	130
85°	27	26	24	22	22	32
90°	0	0	0	0	0	



TEST NUMBER: P298432

CATALOG NUMBER: D3X-WO-25L92765-LD5-UNV-22-T1-W2A-4500K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	852.8	852.8	852.8	852.8	852.8
2.5°	849.4	849.4	851.7	853.9	855.0
5°	846.1	846.1	849.4	851.7	852.8
7.5°	839.4	839.4	843.9	848.3	850.5
10°	829.4	831.6	837.2	843.9	846.1
12.5°	818.3	820.5	828.3	837.2	840.5
15°	802.7	806.1	817.2	828.3	832.7
17.5°	786.1	790.5	803.8	817.2	822.7
20°	768.3	772.7	789.4	805.0	811.6
22.5°	748.3	753.8	772.7	789.4	796.1
25°	726.0	732.7	751.6	770.5	779.4
27.5°	701.6	709.3	730.5	750.5	758.3
30°	676.0	684.9	706.0	727.1	734.9
32.5°	648.2	656.0	681.5	701.6	709.3
35°	620.4	628.2	652.6	674.9	682.7
37.5°	590.4	600.4	624.8	644.9	652.6
40°	559.2	569.2	592.6	615.9	622.6
42.5°	529.2	538.1	560.4	581.5	588.2
45°	498.1	505.9	528.1	547.0	557.0
47.5°	465.9	473.6	495.9	513.7	519.2
50°	433.6	441.4	460.3	475.9	482.5
52.5°	401.4	409.1	426.9	441.4	448.1
55°	369.1	374.7	391.4	404.7	410.3
57.5°	336.9	341.3	354.7	369.1	372.5
60°	303.5	309.1	321.3	331.3	335.8
62.5°	273.5	275.7	286.8	295.7	301.3
65°	242.4	243.5	251.3	261.3	263.5
67.5°	210.1	211.2	219.0	224.6	226.8
70°	180.1	180.1	185.7	190.1	192.3
72.5°	151.2	150.1	153.4	157.9	160.1
75°	121.2	121.2	124.5	126.7	127.9
77.5°	95.6	93.4	95.6	97.8	97.8
80°	70.0	68.9	68.9	70.0	68.9
82.5°	47.8	46.7	47.8	45.6	44.5
85°	26.7	25.6	24.5	22.2	22.2
87.5°	8.9	7.8	7.8	8.9	8.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)