

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: P298260

Luminaire Tested: **D3X-WG-25L92765-LD5-UNV-22-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298260
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-2700K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1812.0 lumens
Efficiency: N/A
Efficacy: 95.9 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

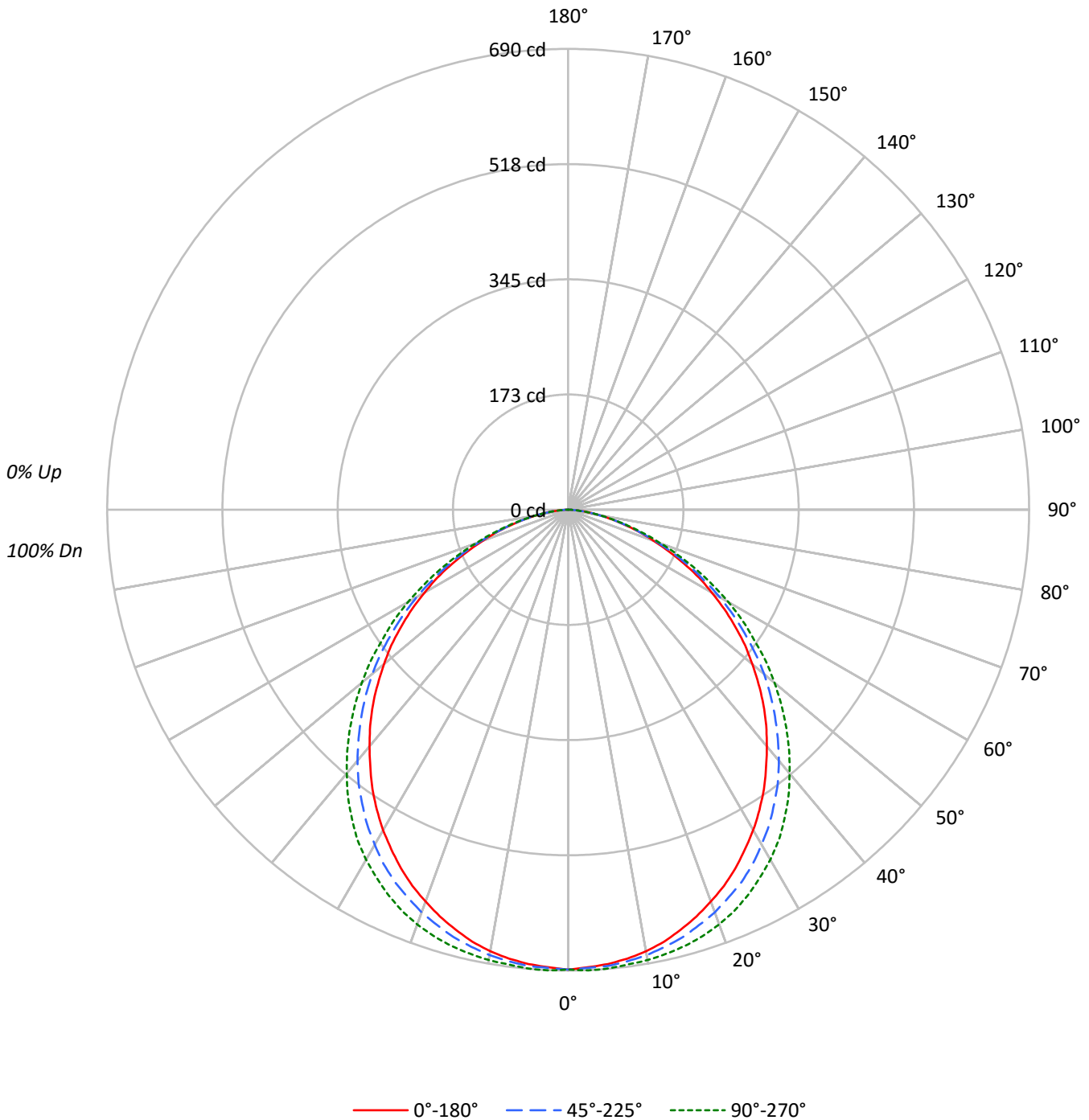
Input Watts (W): 18.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P298260

CATALOG NUMBER: D3X-WG-25L92765-LD5-UNV-22-T1-W2A-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P298260

CATALOG NUMBER: D3X-WG-25L92765-LD5-UNV-22-T1-W2A-2700K

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°	1853	1853	1853
5°	1844	1852	1863
10°	1834	1850	1871
15°	1814	1846	1884
20°	1788	1837	1892
25°	1759	1825	1890
30°	1721	1799	1880
35°	1678	1766	1854
40°	1625	1723	1811
45°	1574	1665	1757
50°	1506	1603	1687
55°	1430	1512	1593
60°	1335	1408	1491
65°	1219	1273	1347
70°	1067	1113	1157
75°	910	930	970
80°	730	745	759
85°	534	503	475



TEST NUMBER: P298260

CATALOG NUMBER: D3X-WG-25L92765-LD5-UNV-22-T1-W2A-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.2	3.6
10°-20°	187.1	10.3
20°-30°	282.8	15.6
30°-40°	335.9	18.5
40°-50°	337.2	18.6
50°-60°	288.1	15.9
60°-70°	198.5	11.0
70°-80°	96.2	5.3
80°-90°	21.0	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°	535.1	29.5
0°-40°	871.0	48.1
0°-60°	1496.3	82.6
0°-90°	1812.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1812.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	689	689	689	689	689	
5°	683	683	686	688	690	65
15°	651	654	663	671	676	184
25°	592	597	614	631	637	273
35°	511	518	538	558	564	319
45°	414	419	438	456	462	318
55°	305	310	322	336	340	273
65°	191	191	200	209	212	190
75°	88	86	89	91	93	94
85°	17	17	16	15	15	21
90°	0	0	0	0	0	



TEST NUMBER: P298260

CATALOG NUMBER: D3X-WG-25L92765-LD5-UNV-22-T1-W2A-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	688.6	688.6	688.6	688.6	688.6
2.5°	685.7	685.7	686.7	689.6	690.5
5°	682.8	682.8	685.7	687.6	689.6
7.5°	678.0	679.0	681.9	685.7	686.7
10°	671.3	672.3	677.1	681.9	684.8
12.5°	662.6	664.6	670.3	678.0	680.9
15°	651.1	654.0	662.6	671.3	676.1
17.5°	638.6	642.4	652.1	664.6	669.4
20°	624.2	629.0	641.5	654.9	660.7
22.5°	609.7	613.6	628.0	643.4	650.1
25°	592.4	597.2	614.5	630.9	636.7
27.5°	573.2	579.9	598.2	615.5	621.3
30°	554.0	559.7	579.0	598.2	604.9
32.5°	532.8	538.6	559.7	579.0	586.7
35°	510.7	518.4	537.6	557.8	564.5
37.5°	486.6	495.3	515.5	532.8	541.5
40°	462.6	470.3	490.5	508.8	515.5
42.5°	438.6	445.3	464.5	483.8	489.5
45°	413.5	419.3	437.6	455.9	461.6
47.5°	386.6	393.3	410.7	426.0	432.8
50°	359.7	366.4	382.8	397.2	403.0
52.5°	333.7	337.6	353.0	366.4	373.2
55°	304.9	309.7	322.2	335.6	339.5
57.5°	277.0	279.9	292.4	303.9	309.7
60°	248.1	250.1	261.6	270.2	277.0
62.5°	221.2	221.2	229.9	239.5	243.3
65°	191.4	191.4	200.0	208.7	211.6
67.5°	162.5	164.5	170.2	177.0	178.9
70°	135.6	135.6	141.4	146.2	147.1
72.5°	111.6	110.6	113.5	117.3	119.3
75°	87.5	85.6	89.4	91.4	93.3
77.5°	66.4	65.4	67.3	69.2	69.2
80°	47.1	46.2	48.1	48.1	49.0
82.5°	30.8	31.7	31.7	30.8	29.8
85°	17.3	17.3	16.3	15.4	15.4
87.5°	5.8	5.8	5.8	6.7	6.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)