

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: P298431

Luminaire Tested: **D3X-WO-25L92765-LD5-UNV-22-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298431
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-4000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2177.0 lumens
Efficiency: N/A
Efficacy: 114.0 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

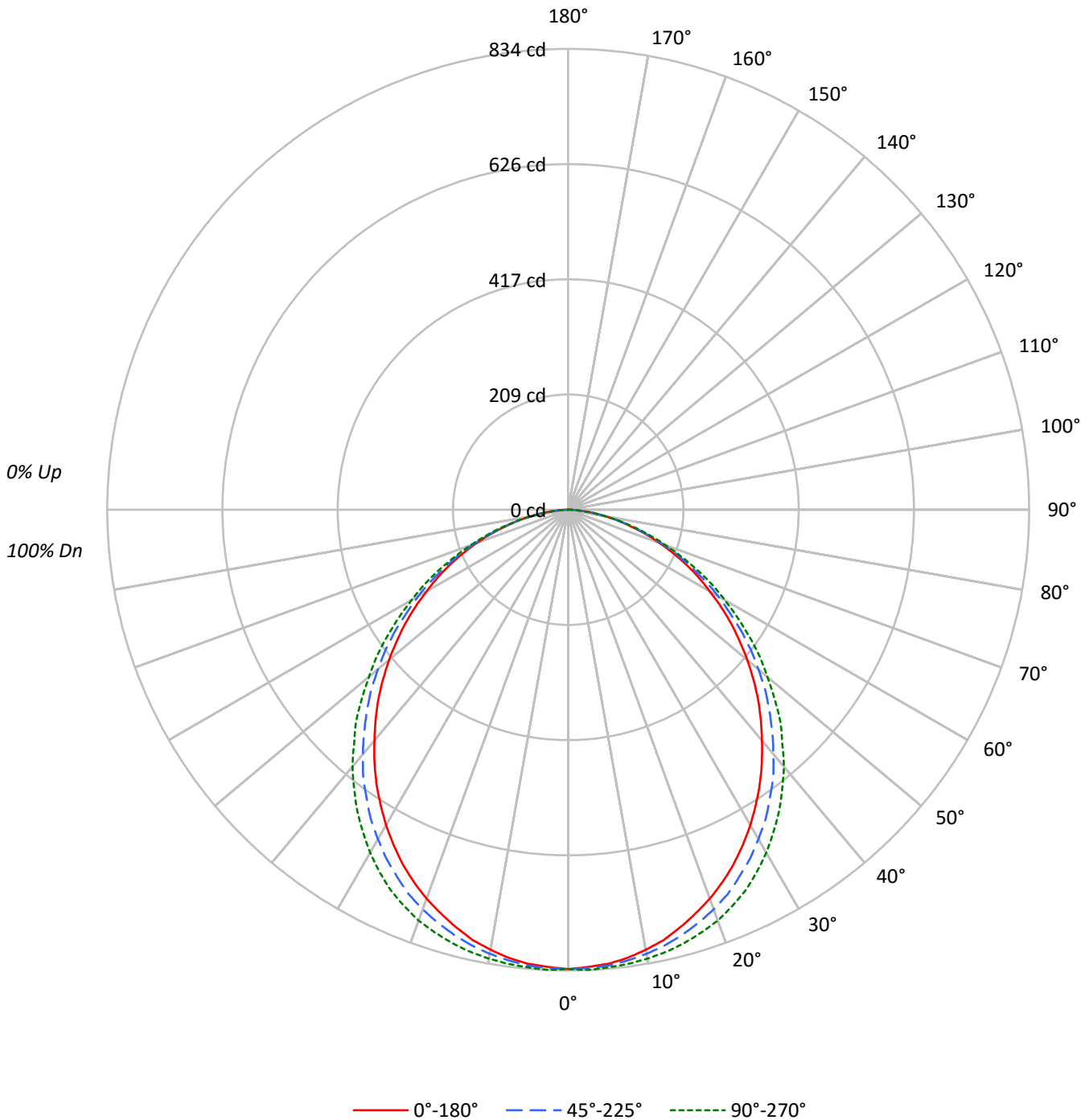
Input Watts (W): 19.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	2237	2237	2237
5°	2228	2237	2246
10°	2209	2230	2254
15°	2180	2220	2262
20°	2145	2204	2266
25°	2102	2176	2256
30°	2048	2139	2226
35°	1987	2090	2186
40°	1915	2029	2132
45°	1848	1960	2067
50°	1770	1878	1969
55°	1688	1790	1877
60°	1593	1686	1762
65°	1505	1560	1636
70°	1382	1424	1475
75°	1228	1262	1297
80°	1058	1041	1041
85°	803	735	670



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.7	3.6
10°-20°	224.8	10.3
20°-30°	337.5	15.5
30°-40°	397.2	18.2
40°-50°	396.2	18.2
50°-60°	340.0	15.6
60°-70°	243.5	11.2
70°-80°	129.0	5.9
80°-90°	30.2	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°	641.0	29.4
0°-40°	1038.2	47.7
0°-60°	1774.4	81.5
0°-90°	2177.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2177.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	831	831	831	831	831	
5°	825	825	828	830	831	78
15°	783	786	797	808	812	221
25°	708	714	733	751	760	326
35°	605	612	636	658	666	378
45°	486	493	515	533	543	374
55°	360	365	382	395	400	322
65°	236	237	245	255	257	233
75°	118	118	121	124	125	127
85°	26	25	24	22	22	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	831.4	831.4	831.4	831.4	831.4
2.5°	828.1	828.1	830.3	832.5	833.5
5°	824.9	824.9	828.1	830.3	831.4
7.5°	818.4	818.4	822.7	827.0	829.2
10°	808.6	810.8	816.2	822.7	824.9
12.5°	797.8	799.9	807.5	816.2	819.5
15°	782.6	785.9	796.7	807.5	811.9
17.5°	766.3	770.7	783.7	796.7	802.1
20°	749.0	753.3	769.6	784.8	791.3
22.5°	729.5	734.9	753.3	769.6	776.1
25°	707.8	714.3	732.7	751.2	759.8
27.5°	684.0	691.5	712.1	731.7	739.2
30°	659.0	667.7	688.3	708.9	716.5
32.5°	631.9	639.5	664.5	684.0	691.5
35°	604.8	612.4	636.3	657.9	665.5
37.5°	575.6	585.3	609.2	628.7	636.3
40°	545.2	555.0	577.7	600.5	607.0
42.5°	516.0	524.6	546.3	566.9	573.4
45°	485.6	493.2	514.9	533.3	543.1
47.5°	454.2	461.8	483.4	500.8	506.2
50°	422.7	430.3	448.7	463.9	470.4
52.5°	391.3	398.9	416.2	430.3	436.8
55°	359.9	365.3	381.5	394.6	400.0
57.5°	328.4	332.8	345.8	359.9	363.1
60°	295.9	301.3	313.3	323.0	327.3
62.5°	266.6	268.8	279.7	288.3	293.7
65°	236.3	237.4	245.0	254.7	256.9
67.5°	204.9	205.9	213.5	219.0	221.1
70°	175.6	175.6	181.0	185.4	187.5
72.5°	147.4	146.3	149.6	153.9	156.1
75°	118.1	118.1	121.4	123.6	124.7
77.5°	93.2	91.1	93.2	95.4	95.4
80°	68.3	67.2	67.2	68.3	67.2
82.5°	46.6	45.5	46.6	44.4	43.4
85°	26.0	24.9	23.8	21.7	21.7
87.5°	8.7	7.6	7.6	8.7	8.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)