

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: P298425

Luminaire Tested: **D3X-WO-20L92765-LD5-UNV-22-T1-W2A-5500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298425
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-20L92765-LD5-UNV-22-T1-W2A-5500K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 90 CRI LEDS TUNED TO 5500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1883.0 lumens
Efficiency: N/A
Efficacy: 118.4 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

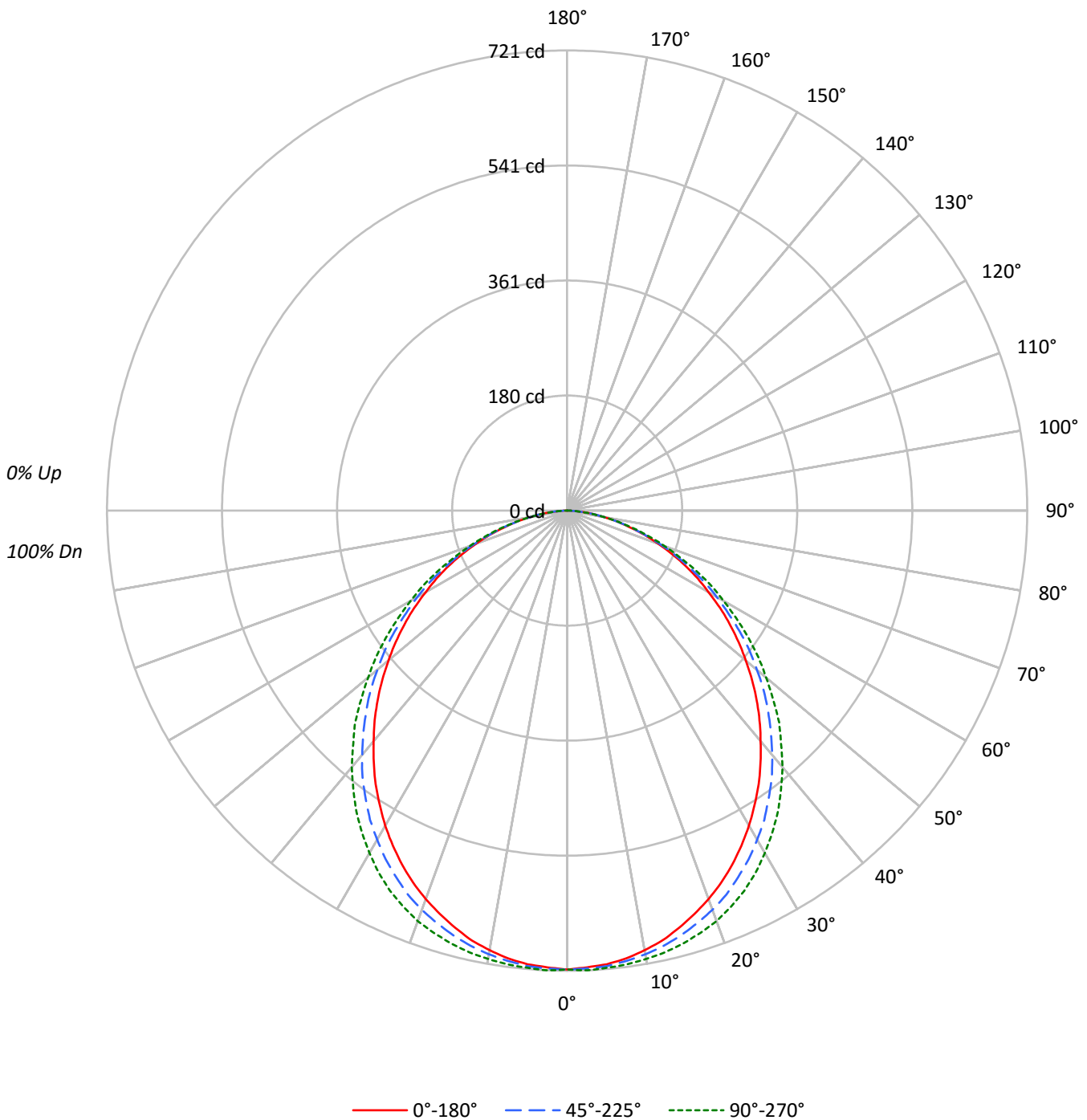
Input Watts (W): 15.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1935	1935	1935
5°	1927	1935	1942
10°	1911	1929	1950
15°	1886	1920	1956
20°	1855	1906	1960
25°	1818	1882	1951
30°	1771	1850	1926
35°	1719	1808	1891
40°	1657	1755	1844
45°	1598	1695	1787
50°	1531	1625	1703
55°	1460	1548	1623
60°	1378	1459	1524
65°	1301	1349	1415
70°	1195	1232	1276
75°	1063	1092	1121
80°	916	900	900
85°	695	636	580



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.0	3.6
10°-20°	194.4	10.3
20°-30°	291.9	15.5
30°-40°	343.6	18.2
40°-50°	342.7	18.2
50°-60°	294.1	15.6
60°-70°	210.6	11.2
70°-80°	111.5	5.9
80°-90°	26.1	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°	554.4	29.4
0°-40°	898.0	47.7
0°-60°	1534.8	81.5
0°-90°	1883.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1883.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	719	719	719	719	719	
5°	714	714	716	718	719	68
15°	677	680	689	698	702	191
25°	612	618	634	650	657	282
35°	523	530	550	569	576	327
45°	420	427	445	461	470	324
55°	311	316	330	341	346	278
65°	204	205	212	220	222	202
75°	102	102	105	107	108	110
85°	22	22	21	19	19	27
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	719.1	719.1	719.1	719.1	719.1
2.5°	716.3	716.3	718.2	720.0	721.0
5°	713.5	713.5	716.3	718.2	719.1
7.5°	707.9	707.9	711.6	715.4	717.2
10°	699.4	701.3	706.0	711.6	713.5
12.5°	690.0	691.9	698.5	706.0	708.8
15°	676.9	679.7	689.1	698.5	702.2
17.5°	662.8	666.6	677.8	689.1	693.8
20°	647.8	651.6	665.7	678.8	684.4
22.5°	631.0	635.7	651.6	665.7	671.3
25°	612.2	617.8	633.8	649.7	657.2
27.5°	591.6	598.2	616.0	632.8	639.4
30°	570.0	577.5	595.3	613.2	619.7
32.5°	546.6	553.2	574.7	591.6	598.2
35°	523.2	529.7	550.3	569.1	575.7
37.5°	497.8	506.3	526.9	543.8	550.3
40°	471.6	480.0	499.7	519.4	525.0
42.5°	446.3	453.8	472.5	490.3	496.0
45°	420.0	426.6	445.3	461.3	469.7
47.5°	392.8	399.4	418.1	433.1	437.8
50°	365.6	372.2	388.1	401.3	406.9
52.5°	338.5	345.0	360.0	372.2	377.8
55°	311.3	316.0	330.0	341.3	346.0
57.5°	284.1	287.8	299.1	311.3	314.1
60°	256.0	260.6	271.0	279.4	283.1
62.5°	230.6	232.5	241.9	249.4	254.1
65°	204.4	205.3	211.9	220.3	222.2
67.5°	177.2	178.1	184.7	189.4	191.3
70°	151.9	151.9	156.6	160.3	162.2
72.5°	127.5	126.6	129.4	133.1	135.0
75°	102.2	102.2	105.0	106.9	107.8
77.5°	80.6	78.8	80.6	82.5	82.5
80°	59.1	58.1	58.1	59.1	58.1
82.5°	40.3	39.4	40.3	38.4	37.5
85°	22.5	21.6	20.6	18.8	18.8
87.5°	7.5	6.6	6.6	7.5	7.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)