

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: P298336

Luminaire Tested: **D3X-WO-20L82765-LD5-UNV-22-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298336
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-20L82765-LD5-UNV-22-T1-W2A-3000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 80 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1894.0 lumens
Efficiency: N/A
Efficacy: 123.8 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

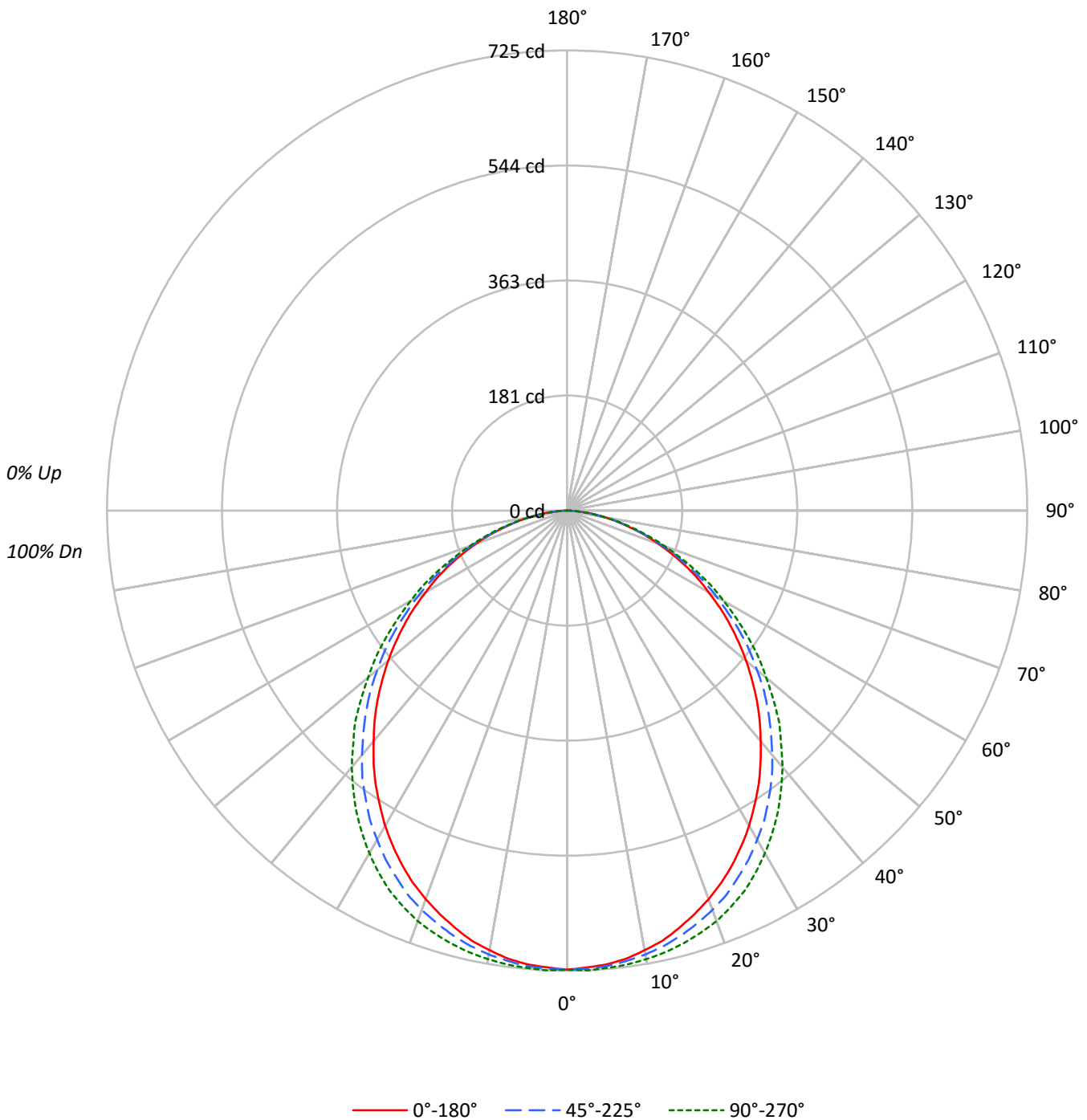
Input Watts (W): 15.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1946	1946	1946
5°	1938	1946	1954
10°	1922	1940	1961
15°	1897	1931	1968
20°	1866	1917	1971
25°	1828	1893	1963
30°	1782	1861	1937
35°	1729	1819	1902
40°	1666	1766	1855
45°	1608	1705	1798
50°	1540	1634	1714
55°	1469	1557	1633
60°	1385	1467	1533
65°	1309	1357	1423
70°	1202	1239	1283
75°	1069	1098	1127
80°	921	907	907
85°	698	639	584



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.4	3.6
10°-20°	195.6	10.3
20°-30°	293.6	15.5
30°-40°	345.6	18.2
40°-50°	344.7	18.2
50°-60°	295.8	15.6
60°-70°	211.9	11.2
70°-80°	112.2	5.9
80°-90°	26.2	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°	557.6	29.4
0°-40°	903.2	47.7
0°-60°	1543.7	81.5
0°-90°	1894.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1894.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	723	723	723	723	723	
5°	718	718	720	722	723	68
15°	681	684	693	703	706	192
25°	616	622	638	654	661	283
35°	526	533	554	572	579	329
45°	422	429	448	464	472	326
55°	313	318	332	343	348	280
65°	206	206	213	222	224	203
75°	103	103	106	108	108	110
85°	23	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°	723.3	723.3	723.3	723.3	723.3
2.5°	720.5	720.5	722.4	724.2	725.2
5°	717.6	717.6	720.5	722.4	723.3
7.5°	712.0	712.0	715.8	719.5	721.4
10°	703.5	705.4	710.1	715.8	717.6
12.5°	694.1	696.0	702.6	710.1	712.9
15°	680.9	683.7	693.1	702.6	706.3
17.5°	666.7	670.5	681.8	693.1	697.8
20°	651.6	655.4	669.5	682.8	688.4
22.5°	634.7	639.4	655.4	669.5	675.2
25°	615.8	621.5	637.5	653.5	661.1
27.5°	595.0	601.7	619.6	636.5	643.1
30°	573.4	580.9	598.8	616.7	623.3
32.5°	549.8	556.4	578.1	595.0	601.7
35°	526.2	532.8	553.6	572.4	579.0
37.5°	500.7	509.2	530.0	547.0	553.6
40°	474.3	482.8	502.6	522.4	528.1
42.5°	448.9	456.4	475.3	493.2	498.9
45°	422.5	429.1	447.9	464.0	472.5
47.5°	395.1	401.7	420.6	435.7	440.4
50°	367.8	374.4	390.4	403.6	409.3
52.5°	340.4	347.0	362.1	374.4	380.0
55°	313.1	317.8	331.9	343.3	348.0
57.5°	285.7	289.5	300.8	313.1	315.9
60°	257.4	262.2	272.5	281.0	284.8
62.5°	232.0	233.9	243.3	250.8	255.6
65°	205.6	206.5	213.1	221.6	223.5
67.5°	178.2	179.2	185.8	190.5	192.4
70°	152.8	152.8	157.5	161.3	163.1
72.5°	128.3	127.3	130.1	133.9	135.8
75°	102.8	102.8	105.6	107.5	108.4
77.5°	81.1	79.2	81.1	83.0	83.0
80°	59.4	58.5	58.5	59.4	58.5
82.5°	40.6	39.6	40.6	38.7	37.7
85°	22.6	21.7	20.7	18.9	18.9
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)