

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: P298345

Luminaire Tested: **D3X-WO-25L82765-LD5-UNV-22-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298345
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-25L82765-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: 2327.0 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

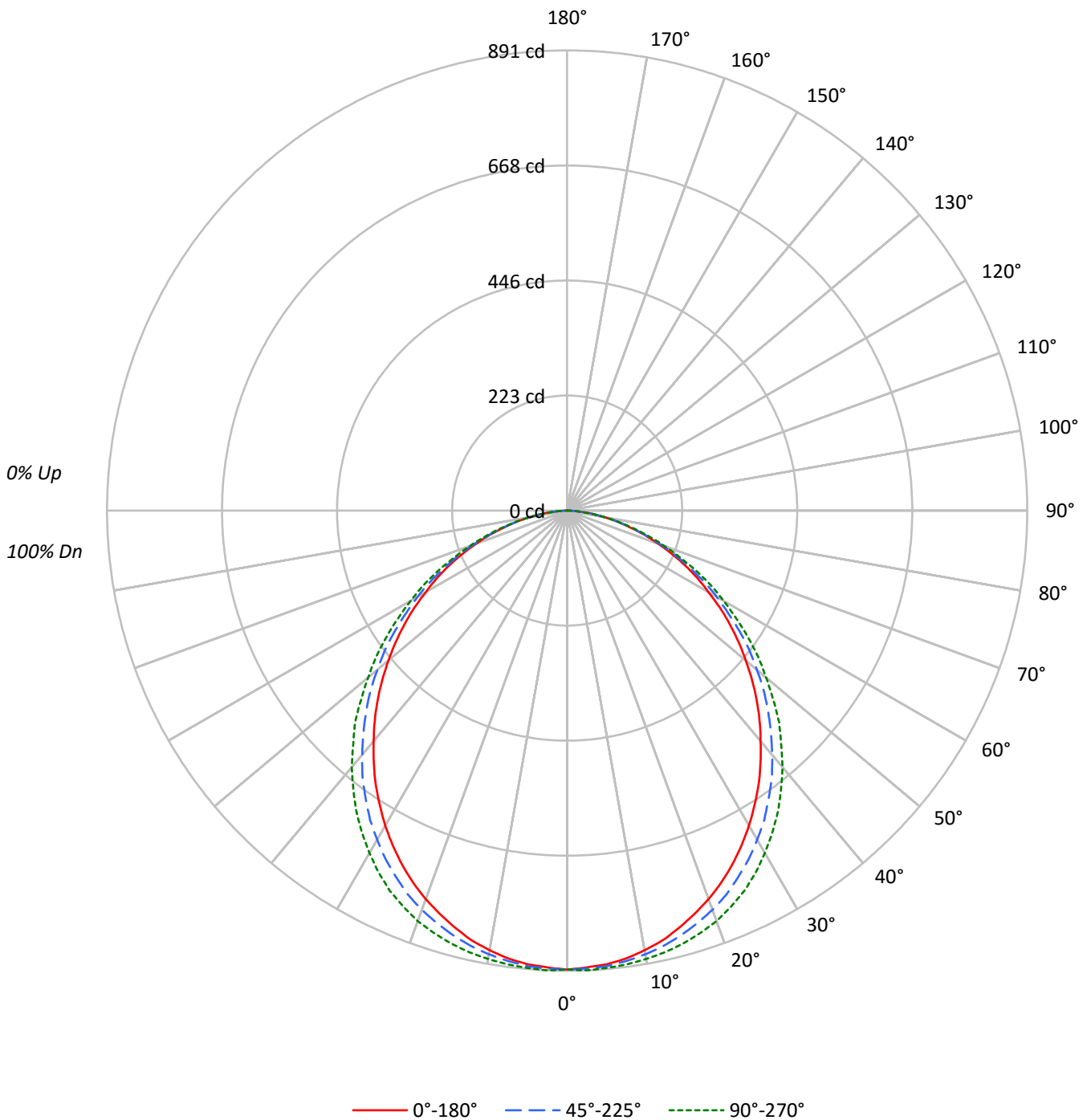
Input Watts (W): 18.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2391	2391	2391
5°	2382	2391	2401
10°	2362	2384	2409
15°	2330	2372	2418
20°	2293	2356	2422
25°	2246	2325	2412
30°	2189	2286	2380
35°	2124	2234	2337
40°	2047	2169	2279
45°	1975	2094	2209
50°	1892	2008	2105
55°	1805	1913	2006
60°	1702	1802	1883
65°	1608	1667	1748
70°	1477	1522	1577
75°	1313	1350	1385
80°	1131	1113	1113
85°	858	787	716



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.1	3.6
10°-20°	240.3	10.3
20°-30°	360.8	15.5
30°-40°	424.6	18.2
40°-50°	423.5	18.2
50°-60°	363.4	15.6
60°-70°	260.3	11.2
70°-80°	137.8	5.9
80°-90°	32.2	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°	685.1	29.4
0°-40°	1109.7	47.7
0°-60°	1896.6	81.5
0°-90°	2327.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2327.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	889	889	889	889	889	
5°	882	882	885	888	889	84
15°	836	840	852	863	868	236
25°	757	764	783	803	812	348
35°	646	655	680	703	711	404
45°	519	527	550	570	580	400
55°	385	390	408	422	428	344
65°	253	254	262	272	275	249
75°	126	126	130	132	133	135
85°	28	27	26	23	23	34
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	888.7	888.7	888.7	888.7	888.7
2.5°	885.2	885.2	887.5	889.8	891.0
5°	881.7	881.7	885.2	887.5	888.7
7.5°	874.8	874.8	879.4	884.0	886.3
10°	864.3	866.6	872.4	879.4	881.7
12.5°	852.7	855.1	863.2	872.4	875.9
15°	836.5	840.0	851.6	863.2	867.8
17.5°	819.1	823.8	837.7	851.6	857.4
20°	800.6	805.2	822.6	838.8	845.8
22.5°	779.8	785.5	805.2	822.6	829.6
25°	756.6	763.5	783.2	802.9	812.2
27.5°	731.1	739.2	761.2	782.1	790.2
30°	704.4	713.7	735.7	757.7	765.8
32.5°	675.5	683.6	710.2	731.1	739.2
35°	646.5	654.6	680.1	703.3	711.4
37.5°	615.2	625.7	651.1	672.0	680.1
40°	582.8	593.2	617.5	641.9	648.8
42.5°	551.5	560.8	583.9	606.0	612.9
45°	519.1	527.2	550.3	570.0	580.5
47.5°	485.5	493.6	516.7	535.3	541.1
50°	451.9	460.0	479.7	495.9	502.8
52.5°	418.3	426.4	444.9	460.0	466.9
55°	384.7	390.5	407.8	421.7	427.5
57.5°	351.1	355.7	369.6	384.7	388.1
60°	316.3	322.1	334.8	345.3	349.9
62.5°	285.0	287.3	298.9	308.2	314.0
65°	252.6	253.7	261.8	272.3	274.6
67.5°	219.0	220.1	228.2	234.0	236.4
70°	187.7	187.7	193.5	198.1	200.4
72.5°	157.6	156.4	159.9	164.5	166.8
75°	126.3	126.3	129.8	132.1	133.2
77.5°	99.6	97.3	99.6	102.0	102.0
80°	73.0	71.8	71.8	73.0	71.8
82.5°	49.8	48.7	49.8	47.5	46.3
85°	27.8	26.6	25.5	23.2	23.2
87.5°	9.3	8.1	8.1	9.3	9.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)