

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: P298344

Luminaire Tested: **D3X-WO-25L82765-LD5-UNV-22-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298344
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-2700K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (252) 80 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2262.0 lumens
Efficiency: N/A
Efficacy: 119.7 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

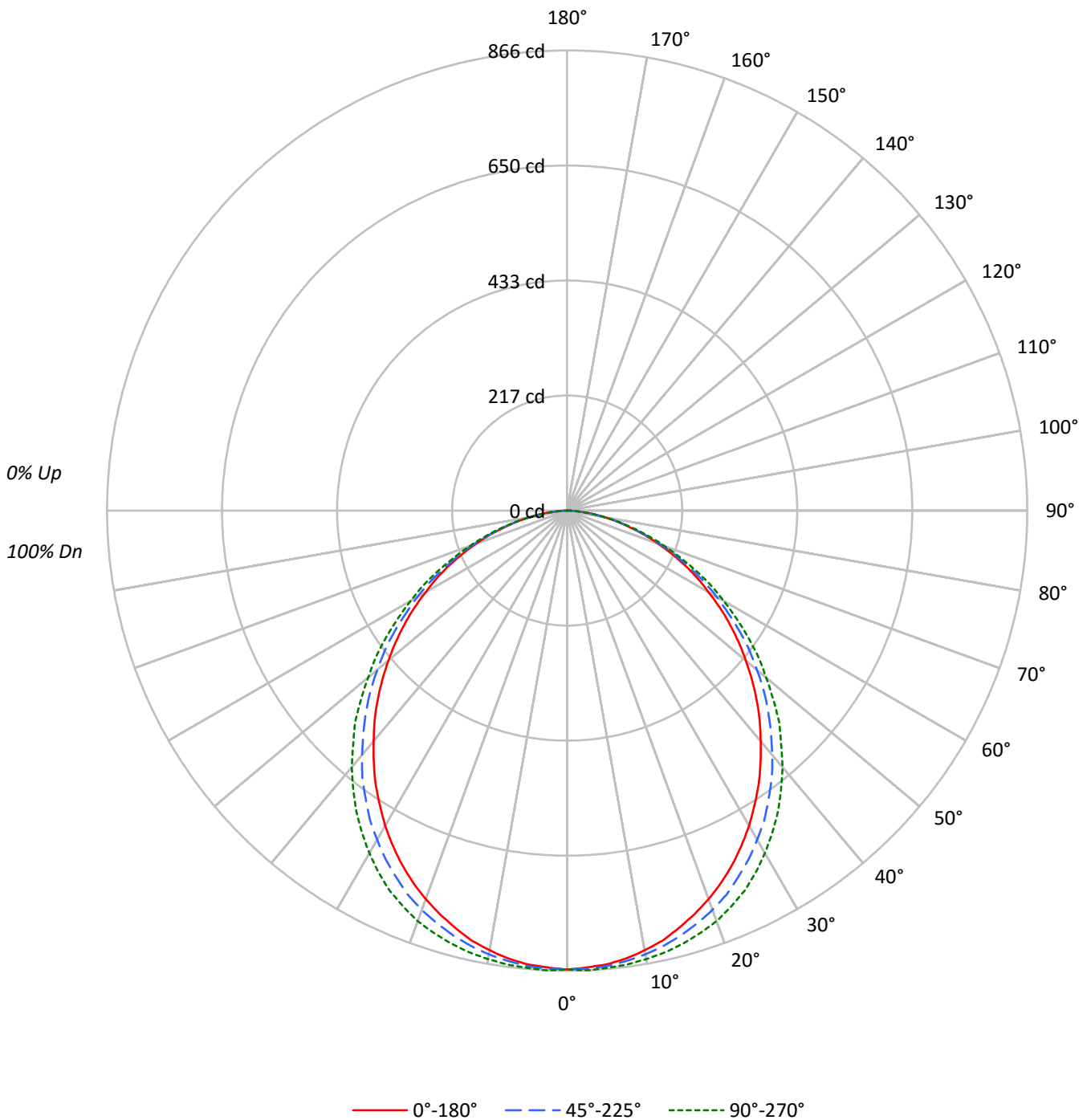
Input Watts (W): 18.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2324	2324	2324
5°	2315	2324	2333
10°	2296	2317	2342
15°	2265	2306	2350
20°	2229	2290	2355
25°	2184	2260	2344
30°	2128	2222	2313
35°	2065	2172	2272
40°	1990	2109	2216
45°	1920	2036	2148
50°	1839	1952	2046
55°	1754	1860	1950
60°	1655	1752	1830
65°	1563	1621	1699
70°	1436	1480	1533
75°	1277	1311	1346
80°	1100	1082	1082
85°	834	766	695



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.7	3.6
10°-20°	233.6	10.3
20°-30°	350.7	15.5
30°-40°	412.7	18.2
40°-50°	411.7	18.2
50°-60°	353.3	15.6
60°-70°	253.0	11.2
70°-80°	134.0	5.9
80°-90°	31.3	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°	666.0	29.4
0°-40°	1078.7	47.7
0°-60°	1843.7	81.5
0°-90°	2262.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2262.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	864	864	864	864	864	
5°	857	857	860	863	864	81
15°	813	816	828	839	844	229
25°	735	742	761	780	790	338
35°	628	636	661	684	692	393
45°	505	512	535	554	564	389
55°	374	380	396	410	416	334
65°	246	247	254	265	267	243
75°	123	123	126	128	130	132
85°	27	26	25	22	22	33
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	863.8	863.8	863.8	863.8	863.8
2.5°	860.5	860.5	862.7	865.0	866.1
5°	857.1	857.1	860.5	862.7	863.8
7.5°	850.3	850.3	854.8	859.3	861.6
10°	840.2	842.4	848.1	854.8	857.1
12.5°	828.9	831.2	839.1	848.1	851.4
15°	813.2	816.5	827.8	839.1	843.6
17.5°	796.3	800.8	814.3	827.8	833.4
20°	778.2	782.7	799.6	815.4	822.2
22.5°	758.0	763.6	782.7	799.6	806.4
25°	735.4	742.2	761.3	780.5	789.5
27.5°	710.7	718.6	739.9	760.2	768.1
30°	684.8	693.8	715.2	736.6	744.5
32.5°	656.6	664.5	690.4	710.7	718.6
35°	628.5	636.3	661.1	683.6	691.5
37.5°	598.0	608.2	633.0	653.2	661.1
40°	566.5	576.6	600.3	623.9	630.7
42.5°	536.1	545.1	567.6	589.0	595.8
45°	504.6	512.4	535.0	554.1	564.3
47.5°	471.9	479.8	502.3	520.3	526.0
50°	439.2	447.1	466.3	482.0	488.8
52.5°	406.6	414.5	432.5	447.1	453.9
55°	373.9	379.5	396.4	410.0	415.6
57.5°	341.3	345.8	359.3	373.9	377.3
60°	307.5	313.1	325.5	335.6	340.1
62.5°	277.1	279.3	290.6	299.6	305.2
65°	245.5	246.6	254.5	264.7	266.9
67.5°	212.9	214.0	221.9	227.5	229.8
70°	182.5	182.5	188.1	192.6	194.8
72.5°	153.2	152.0	155.4	159.9	162.2
75°	122.8	122.8	126.1	128.4	129.5
77.5°	96.9	94.6	96.9	99.1	99.1
80°	71.0	69.8	69.8	71.0	69.8
82.5°	48.4	47.3	48.4	46.2	45.1
85°	27.0	25.9	24.8	22.5	22.5
87.5°	9.0	7.9	7.9	9.0	9.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)