

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: P297663

Luminaire Tested: **D3X-WD-31L92765-LD5-UNV-14-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297663
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-31L92765-LD5-UNV-14-T1-W2A-3000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2414.0 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

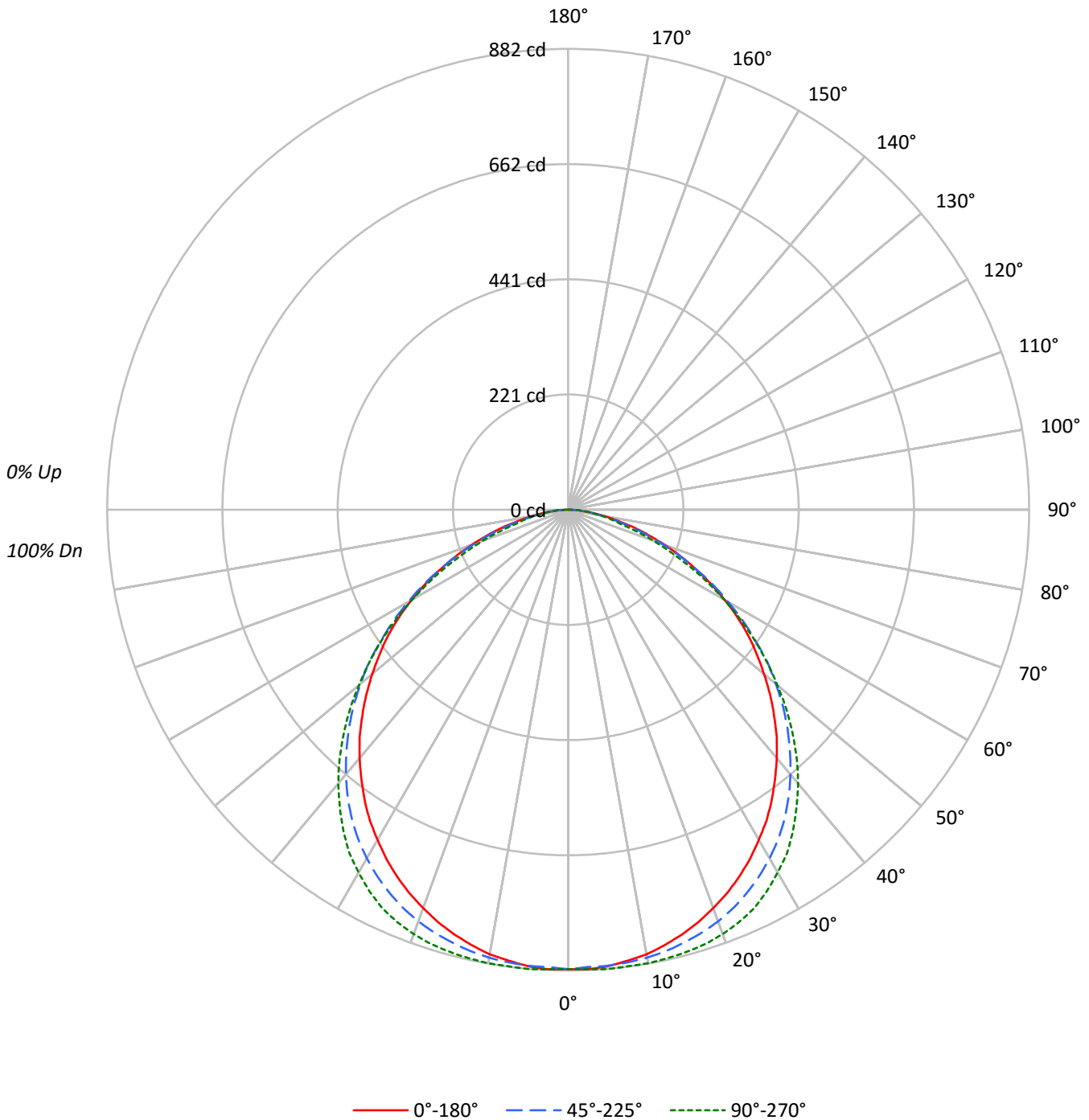
Input Watts (W): 28
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	99	96	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	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	30	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2366	2366	2366
5°	2369	2367	2384
10°	2361	2379	2408
15°	2345	2389	2441
20°	2324	2401	2475
25°	2301	2403	2499
30°	2267	2394	2491
35°	2230	2372	2464
40°	2180	2324	2404
45°	2120	2259	2313
50°	2048	2170	2188
55°	1977	2053	2042
60°	1862	1902	1856
65°	1715	1722	1626
70°	1534	1500	1365
75°	1333	1243	1053
80°	1069	969	969
85°	766	898	932



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.6	3.5
10°-20°	242.7	10.1
20°-30°	372.7	15.4
30°-40°	448.9	18.6
40°-50°	453.6	18.8
50°-60°	386.9	16.0
60°-70°	264.9	11.0
70°-80°	127.8	5.3
80°-90°	33.0	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°	699.0	29.0
0°-40°	1147.9	47.6
0°-60°	1988.4	82.4
0°-90°	2414.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2414.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	879	879	879	879	879	
5°	877	877	876	881	882	83
15°	842	848	858	873	876	237
25°	775	787	809	833	842	357
35°	679	694	722	745	750	424
45°	557	572	594	608	608	430
55°	421	429	438	440	435	375
65°	269	273	270	261	255	267
75°	128	128	120	106	101	136
85°	25	27	29	30	30	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	879.3	879.3	879.3	879.3	879.3
2.5°	880.4	879.3	876.1	880.4	880.4
5°	877.1	877.1	876.1	881.4	882.5
7.5°	870.7	872.8	873.9	880.4	881.4
10°	864.2	866.4	870.7	879.3	881.4
12.5°	853.4	857.7	865.3	877.1	879.3
15°	841.6	848.0	857.7	872.8	876.1
17.5°	827.6	836.2	849.1	866.4	871.7
20°	811.4	821.1	838.3	857.7	864.2
22.5°	794.2	804.9	825.4	848.0	854.5
25°	774.8	786.6	809.2	833.0	841.6
27.5°	753.2	766.1	790.9	815.7	823.3
30°	729.5	743.5	770.5	795.2	801.7
32.5°	705.8	719.8	747.8	771.5	779.1
35°	678.9	693.9	722.0	744.6	750.0
37.5°	649.8	664.9	692.9	715.5	717.7
40°	620.7	635.8	661.6	682.1	684.3
42.5°	590.5	604.5	628.2	645.5	647.6
45°	557.1	572.2	593.7	607.7	607.7
47.5°	523.7	538.8	557.1	566.8	566.8
50°	489.2	503.2	518.3	523.7	522.6
52.5°	454.7	467.7	480.6	481.7	479.5
55°	421.3	428.9	437.5	439.6	435.3
57.5°	384.7	391.2	396.5	393.3	390.1
60°	345.9	352.4	353.4	348.1	344.8
62.5°	308.2	313.6	313.6	305.0	299.6
65°	269.4	272.6	270.5	260.8	255.4
67.5°	232.8	234.9	230.6	220.9	212.3
70°	195.0	196.1	190.7	178.9	173.5
72.5°	160.6	161.6	155.2	141.2	134.7
75°	128.2	128.2	119.6	105.6	101.3
77.5°	95.9	99.1	89.4	81.9	81.9
80°	69.0	72.2	62.5	63.6	62.5
82.5°	45.3	48.5	45.3	45.3	45.3
85°	24.8	26.9	29.1	30.2	30.2
87.5°	7.5	12.9	14.0	15.1	17.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)