

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: P297803

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297803
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-31L92765-LD5-UNV-14-T1-W2A-3000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2410.0 lumens
Efficiency: N/A
Efficacy: 86.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

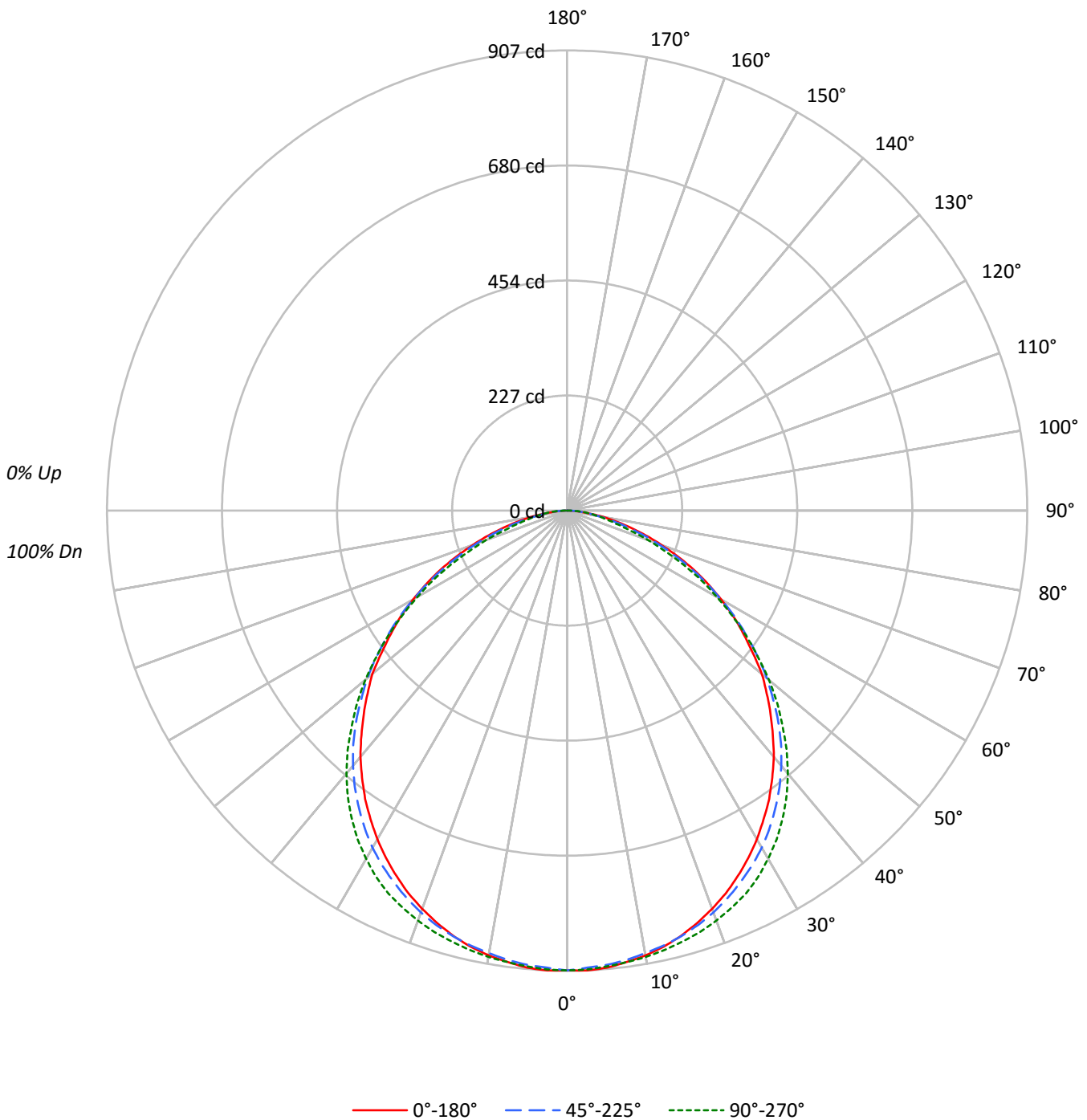
Input Watts (W): 28
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	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°	2439	2439	2439
5°	2442	2428	2437
10°	2432	2421	2441
15°	2417	2420	2450
20°	2392	2414	2463
25°	2362	2400	2474
30°	2324	2384	2461
35°	2280	2351	2432
40°	2226	2305	2377
45°	2157	2239	2285
50°	2098	2152	2175
55°	1992	2032	2023
60°	1885	1885	1833
65°	1750	1709	1613
70°	1552	1484	1340
75°	1344	1222	1030
80°	1102	951	936
85°	732	865	932



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.7	3.6
10°-20°	246.0	10.2
20°-30°	373.9	15.5
30°-40°	447.6	18.6
40°-50°	451.5	18.7
50°-60°	384.6	16.0
60°-70°	263.0	10.9
70°-80°	125.9	5.2
80°-90°	31.9	1.3
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°	705.5	29.3
0°-40°	1153.1	47.8
0°-60°	1989.2	82.5
0°-90°	2410.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2410.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	906	906	906	906	906	
5°	904	903	899	903	902	86
15°	868	865	869	878	879	245
25°	795	796	808	827	833	366
35°	694	696	716	736	740	434
45°	567	571	588	600	600	438
55°	425	427	433	434	431	380
65°	275	269	268	259	253	271
75°	129	127	118	102	99	138
85°	24	26	28	29	30	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	906.4	906.4	906.4	906.4	906.4
2.5°	907.4	906.4	902.0	906.4	905.3
5°	904.2	903.1	898.8	903.1	902.0
7.5°	897.7	896.7	893.4	897.7	897.7
10°	890.2	888.0	885.9	892.3	893.4
12.5°	880.5	878.3	878.3	885.9	887.0
15°	867.6	865.4	868.6	878.3	879.4
17.5°	852.5	851.4	856.8	868.6	870.8
20°	835.2	834.1	842.8	856.8	860.0
22.5°	816.9	816.9	826.6	842.8	847.1
25°	795.4	796.4	808.3	826.6	833.1
27.5°	772.7	774.9	788.9	809.4	814.8
30°	747.9	751.2	767.3	786.7	792.1
32.5°	721.0	724.2	742.5	763.0	768.4
35°	694.0	696.2	715.6	736.1	740.4
37.5°	663.9	667.1	687.6	705.9	710.2
40°	633.7	636.9	656.3	673.6	676.8
42.5°	600.3	604.6	624.0	638.0	640.2
45°	566.9	571.2	588.4	600.3	600.3
47.5°	533.5	535.6	550.7	562.6	561.5
50°	501.1	500.1	514.1	519.5	519.5
52.5°	461.3	464.5	474.2	477.4	474.2
55°	424.6	426.8	433.2	434.3	431.1
57.5°	389.1	388.0	393.4	390.1	385.8
60°	350.3	350.3	350.3	347.0	340.6
62.5°	312.5	310.4	309.3	301.8	298.5
65°	274.8	269.4	268.4	258.7	253.3
67.5°	234.9	232.8	227.4	217.7	208.0
70°	197.2	195.1	188.6	176.7	170.3
72.5°	162.7	160.6	152.0	137.9	129.3
75°	129.3	127.2	117.5	102.4	99.1
77.5°	98.1	97.0	87.3	79.8	78.7
80°	71.1	70.1	61.4	61.4	60.4
82.5°	45.3	45.3	43.1	44.2	45.3
85°	23.7	25.9	28.0	29.1	30.2
87.5°	7.5	11.9	14.0	15.1	14.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)