

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: P297662

Luminaire Tested: **D3X-WD-31L92765-LD5-UNV-14-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297662
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-2700K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2322.0 lumens
Efficiency: N/A
Efficacy: 82.3 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

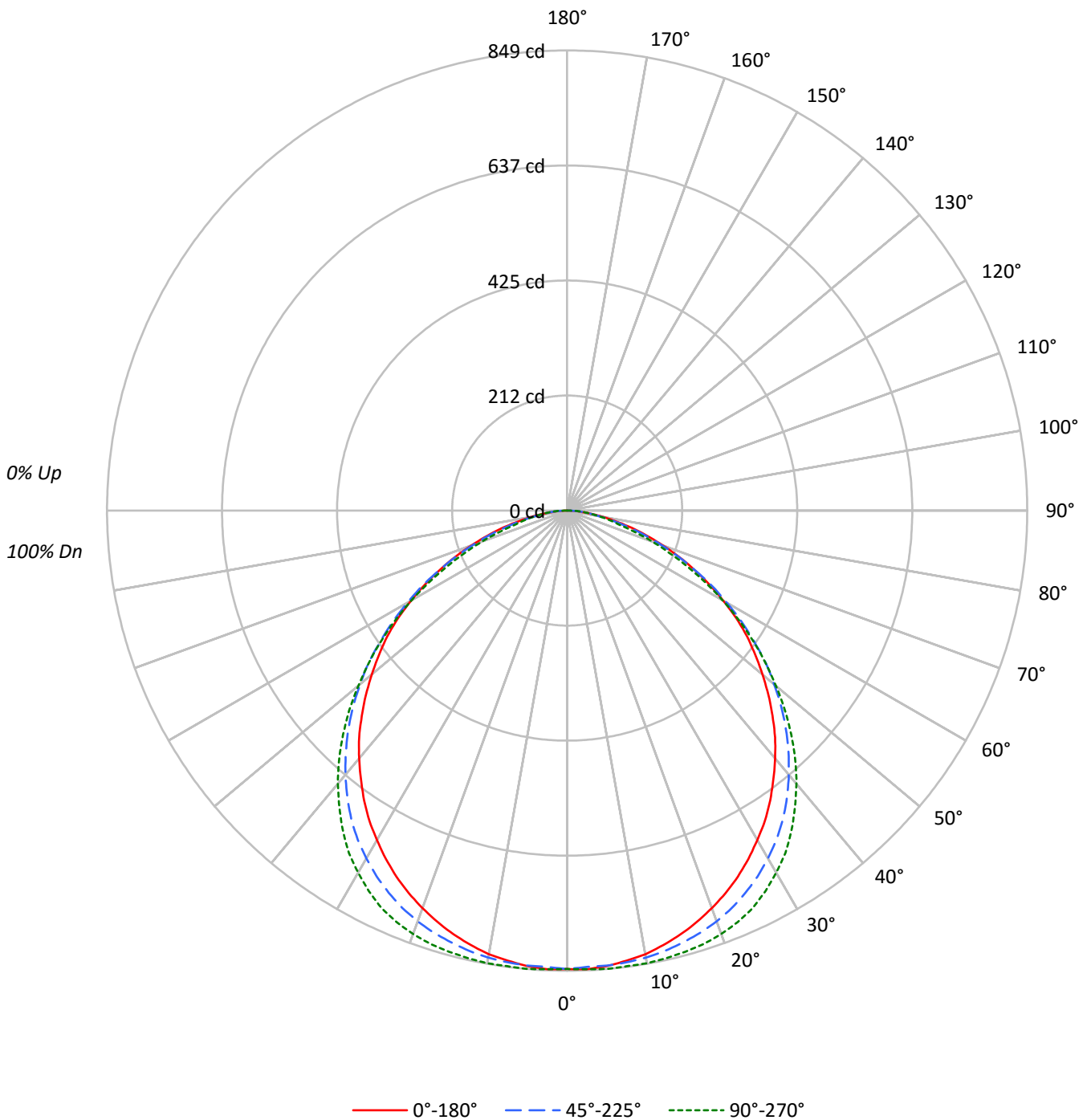
Input Watts (W): 28.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2276	2276	2276
5°	2279	2276	2293
10°	2272	2288	2317
15°	2255	2299	2348
20°	2235	2309	2381
25°	2213	2311	2404
30°	2180	2303	2396
35°	2145	2281	2370
40°	2097	2236	2312
45°	2039	2173	2225
50°	1970	2087	2105
55°	1901	1974	1964
60°	1791	1830	1785
65°	1650	1657	1564
70°	1476	1444	1313
75°	1282	1197	1013
80°	1027	931	931
85°	735	865	895



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.5	3.5
10°-20°	233.5	10.1
20°-30°	358.5	15.4
30°-40°	431.7	18.6
40°-50°	436.3	18.8
50°-60°	372.1	16.0
60°-70°	254.8	11.0
70°-80°	122.9	5.3
80°-90°	31.7	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°	672.4	29.0
0°-40°	1104.2	47.6
0°-60°	1912.6	82.4
0°-90°	2322.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2322.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	846	846	846	846	846	
5°	844	844	843	848	849	80
15°	810	816	825	840	843	228
25°	745	757	778	801	810	343
35°	653	668	694	716	721	408
45°	536	550	571	585	585	413
55°	405	412	421	423	419	361
65°	259	262	260	251	246	257
75°	123	123	115	102	97	131
85°	24	26	28	29	29	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	845.8	845.8	845.8	845.8	845.8
2.5°	846.8	845.8	842.7	846.8	846.8
5°	843.7	843.7	842.7	847.9	848.9
7.5°	837.5	839.6	840.6	846.8	847.9
10°	831.3	833.3	837.5	845.8	847.9
12.5°	820.9	825.1	832.3	843.7	845.8
15°	809.5	815.7	825.1	839.6	842.7
17.5°	796.0	804.3	816.8	833.3	838.5
20°	780.5	789.8	806.4	825.1	831.3
22.5°	763.9	774.3	794.0	815.7	821.9
25°	745.2	756.6	778.4	801.2	809.5
27.5°	724.5	736.9	760.8	784.6	791.9
30°	701.7	715.2	741.1	764.9	771.2
32.5°	678.9	692.4	719.3	742.1	749.4
35°	653.0	667.5	694.5	716.2	721.4
37.5°	625.0	639.5	666.5	688.2	690.3
40°	597.0	611.5	636.4	656.1	658.2
42.5°	568.0	581.5	604.3	620.9	622.9
45°	535.9	550.4	571.1	584.6	584.6
47.5°	503.7	518.2	535.9	545.2	545.2
50°	470.6	484.0	498.6	503.7	502.7
52.5°	437.4	449.8	462.3	463.3	461.2
55°	405.3	412.5	420.8	422.9	418.7
57.5°	370.0	376.2	381.4	378.3	375.2
60°	332.7	338.9	340.0	334.8	331.7
62.5°	296.4	301.6	301.6	293.3	288.1
65°	259.1	262.2	260.2	250.8	245.6
67.5°	223.9	226.0	221.8	212.5	204.2
70°	187.6	188.6	183.5	172.1	166.9
72.5°	154.4	155.5	149.3	135.8	129.6
75°	123.3	123.3	115.1	101.6	97.4
77.5°	92.2	95.4	86.0	78.8	78.8
80°	66.3	69.4	60.1	61.2	60.1
82.5°	43.5	46.6	43.5	43.5	43.5
85°	23.8	25.9	28.0	29.0	29.0
87.5°	7.3	12.4	13.5	14.5	16.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)