

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: P297181

Luminaire Tested: **D3X-WG-31L92765-LD5-UNV-24-T1-W2A-3500K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297181
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)
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-24-T1-W2A-3500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2494.0 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

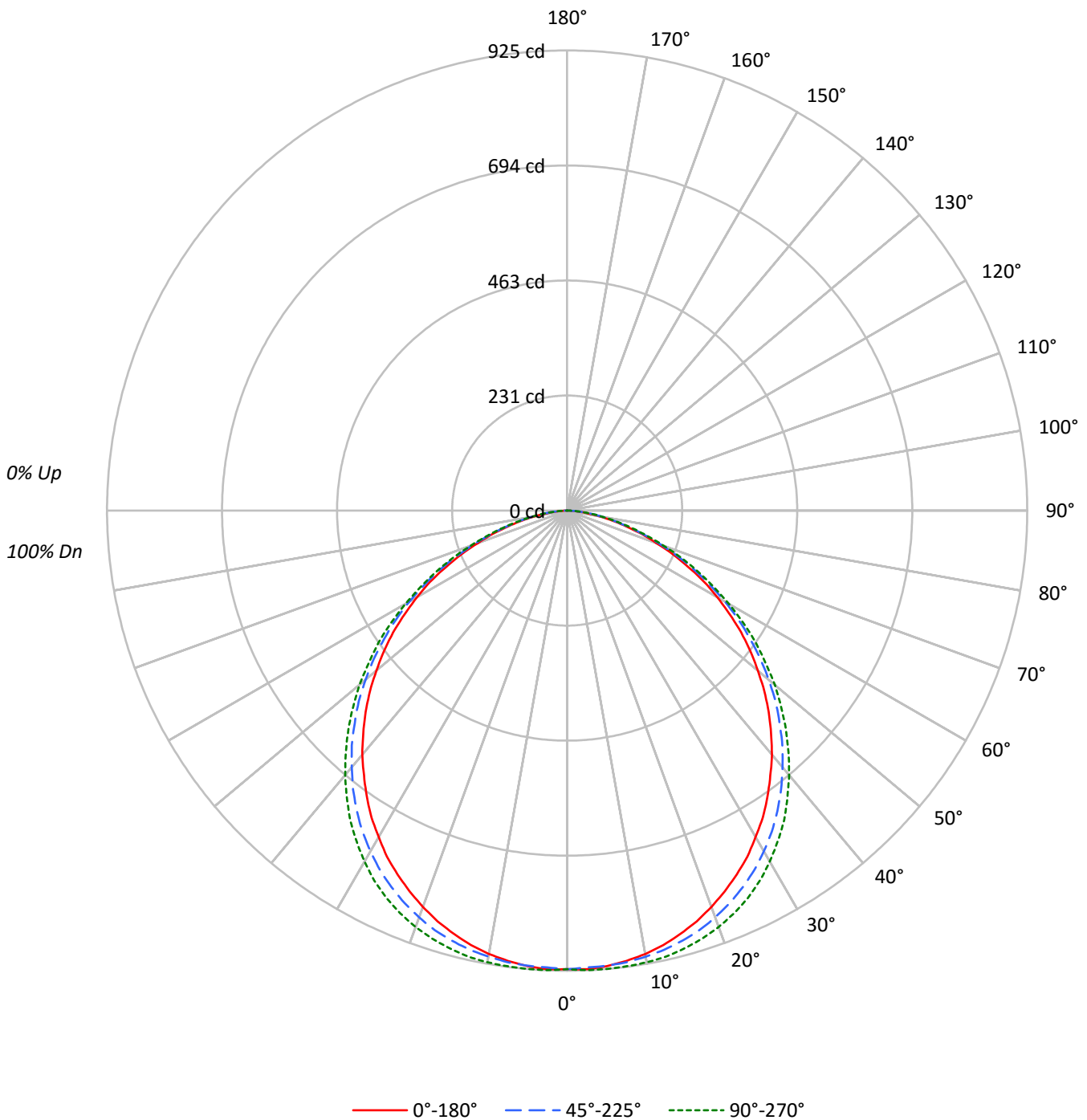
Input Watts (W): 21.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	47	42	37
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30
10	54	41	33	28	53	40	33	28	39	32	27	38	32	27	37	31	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1241	1241	1241
5°	1242	1240	1249
10°	1236	1244	1260
15°	1227	1247	1269
20°	1214	1246	1275
25°	1198	1240	1276
30°	1177	1228	1266
35°	1153	1211	1249
40°	1125	1183	1219
45°	1090	1149	1183
50°	1047	1107	1141
55°	1002	1052	1086
60°	938	986	1010
65°	856	902	925
70°	752	791	812
75°	636	669	692
80°	505	554	568
85°	344	414	400



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.6	3.5
10°-20°	252.9	10.1
20°-30°	384.4	15.4
30°-40°	458.6	18.4
40°-50°	463.2	18.6
50°-60°	399.1	16.0
60°-70°	278.2	11.2
70°-80°	137.9	5.5
80°-90°	32.1	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°	724.9	29.1
0°-40°	1183.5	47.5
0°-60°	2045.8	82.0
0°-90°	2494.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2494.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	922	922	922	922	922	
5°	919	918	918	923	925	87
15°	881	885	895	907	911	248
25°	807	818	835	852	859	372
35°	702	714	737	754	760	439
45°	573	585	604	618	622	441
55°	427	436	448	459	463	381
65°	269	274	283	286	290	267
75°	122	124	129	131	133	132
85°	22	27	27	25	26	29
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	922.0	922.0	922.0	922.0	922.0
2.5°	922.9	921.1	919.3	922.9	924.7
5°	919.3	918.4	918.4	922.9	924.7
7.5°	913.0	913.0	915.7	922.0	923.8
10°	905.0	906.8	910.4	919.3	922.0
12.5°	894.3	897.9	904.1	914.8	918.4
15°	880.9	885.3	895.2	906.8	911.3
17.5°	865.7	871.9	884.5	897.9	902.3
20°	847.8	855.9	870.2	885.3	890.7
22.5°	828.2	838.0	854.1	870.2	876.4
25°	806.7	817.5	835.3	852.3	859.4
27.5°	784.4	795.1	814.8	831.7	838.9
30°	757.6	770.1	790.7	808.5	814.8
32.5°	731.7	744.2	765.6	781.7	788.0
35°	702.2	713.8	737.0	754.0	760.3
37.5°	670.9	684.3	706.7	721.9	727.2
40°	640.6	652.2	673.6	688.8	694.2
42.5°	606.6	619.1	640.6	654.0	658.4
45°	572.7	585.2	603.9	618.2	621.8
47.5°	537.8	549.4	568.2	579.8	583.4
50°	500.3	511.0	528.9	540.5	545.0
52.5°	464.6	474.4	489.6	499.4	502.1
55°	427.0	436.0	448.5	459.2	462.8
57.5°	386.8	396.7	408.3	417.2	419.9
60°	348.4	356.5	366.3	374.3	375.2
62.5°	310.9	314.5	323.4	330.6	331.4
65°	268.9	274.3	283.2	285.9	290.4
67.5°	230.5	234.1	241.2	244.8	248.4
70°	191.2	193.9	201.0	205.5	206.4
72.5°	157.2	158.1	163.5	167.1	168.0
75°	122.4	124.2	128.6	131.3	133.1
77.5°	92.9	94.7	98.3	100.1	100.1
80°	65.2	67.9	71.5	72.4	73.3
82.5°	42.0	45.6	48.2	49.1	47.3
85°	22.3	26.8	26.8	25.0	25.9
87.5°	8.0	9.8	10.7	11.6	11.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)