

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: P297461

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297461
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-7)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-31L92765-LD5-UNV-24-T1-W2A-3500K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH OPAL LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3500K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2652.0 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.25 / 1.33
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

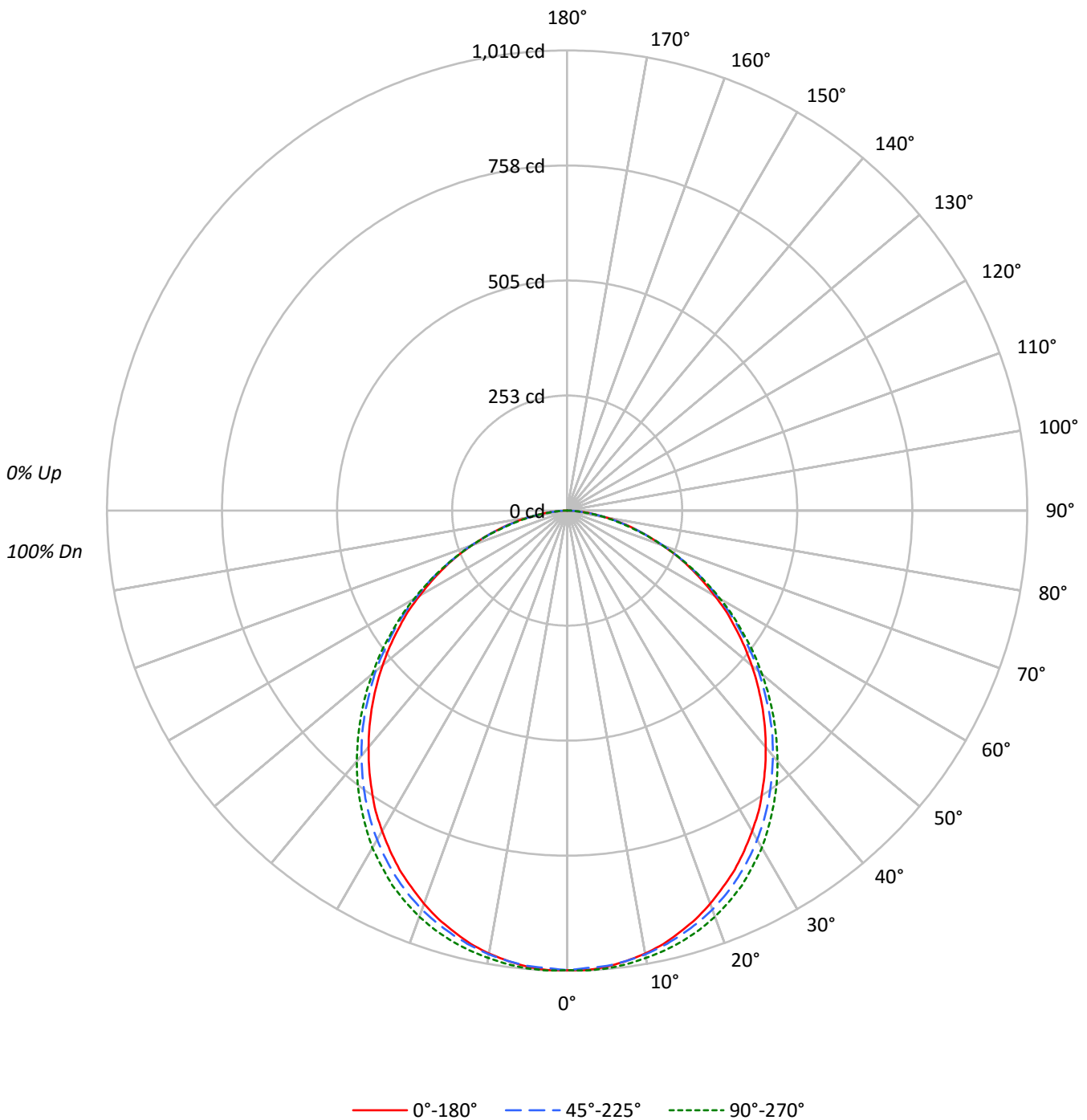
Input Watts (W): 21.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	100	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71
3	91	81	73	66	89	79	72	66	76	70	65	73	68	64	71	66	62	60
4	83	72	63	57	81	70	62	56	68	61	55	66	60	55	63	58	54	52
5	77	64	55	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	41	39
7	66	53	44	38	64	52	44	38	50	43	37	49	42	37	47	41	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	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1357	1357	1357
5°	1357	1355	1362
10°	1349	1351	1362
15°	1334	1344	1363
20°	1315	1334	1358
25°	1292	1318	1348
30°	1262	1296	1328
35°	1228	1268	1297
40°	1191	1233	1262
45°	1151	1193	1219
50°	1107	1148	1169
55°	1060	1094	1111
60°	1007	1034	1046
65°	950	964	970
70°	872	882	872
75°	785	780	757
80°	665	658	637
85°	497	483	428



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.5	3.6
10°-20°	272.8	10.3
20°-30°	409.0	15.4
30°-40°	481.7	18.2
40°-50°	481.8	18.2
50°-60°	415.7	15.7
60°-70°	299.1	11.3
70°-80°	158.6	6.0
80°-90°	37.8	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°	777.3	29.3
0°-40°	1259.0	47.5
0°-60°	2156.4	81.3
0°-90°	2652.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2652.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1009	1009	1009	1009	1009	
5°	1005	1004	1003	1007	1009	95
15°	958	960	965	975	978	270
25°	870	876	888	903	908	400
35°	748	757	772	785	790	468
45°	605	613	627	638	640	467
55°	452	456	466	474	474	405
65°	298	299	303	305	305	295
75°	151	149	150	146	146	161
85°	32	32	31	29	28	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1008.6	1008.6	1008.6	1008.6	1008.6
2.5°	1009.5	1007.7	1005.0	1008.6	1010.4
5°	1005.0	1004.1	1003.2	1006.8	1008.6
7.5°	997.0	997.9	997.0	1002.4	1004.1
10°	987.2	988.1	989.0	995.2	997.0
12.5°	974.7	975.6	978.2	986.3	989.0
15°	957.7	960.4	964.8	974.7	978.2
17.5°	939.8	943.4	949.6	961.3	964.8
20°	918.4	922.8	931.8	944.3	948.7
22.5°	894.3	898.7	911.2	924.6	929.1
25°	870.1	875.5	888.0	903.2	907.7
27.5°	841.5	848.7	862.1	877.3	880.9
30°	812.1	818.3	834.4	848.7	854.9
32.5°	782.6	788.8	804.0	818.3	822.8
35°	747.7	756.7	771.9	785.3	789.7
37.5°	713.8	721.8	737.9	751.3	755.8
40°	678.1	685.2	702.2	714.7	718.3
42.5°	642.3	649.5	666.4	676.3	679.8
45°	604.8	612.8	627.1	637.9	640.5
47.5°	567.3	573.5	586.9	596.8	600.3
50°	528.9	535.1	548.5	556.6	558.4
52.5°	490.5	494.9	507.4	514.6	517.3
55°	452.0	456.5	466.3	474.4	473.5
57.5°	415.4	417.2	427.0	432.4	432.4
60°	374.3	376.1	384.1	387.7	388.6
62.5°	335.9	338.6	344.8	345.7	345.7
65°	298.4	299.3	302.8	304.6	304.6
67.5°	260.9	260.0	263.5	263.5	262.6
70°	221.6	223.3	224.2	222.4	221.6
72.5°	185.8	184.9	184.9	184.0	184.0
75°	151.0	149.2	150.1	146.5	145.6
77.5°	118.8	116.1	115.2	113.5	111.7
80°	85.8	85.8	84.9	83.1	82.2
82.5°	57.2	57.2	56.3	54.5	52.7
85°	32.2	32.2	31.3	28.6	27.7
87.5°	10.7	10.7	10.7	10.7	10.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)