

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: P296759

Luminaire Tested: **D3X-WD-31L82765-LD5-UNV-24-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296759
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-31L82765-LD5-UNV-24-T1-W2A-2700K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 80 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2670.0 lumens
Efficiency: N/A
Efficacy: 125.9 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

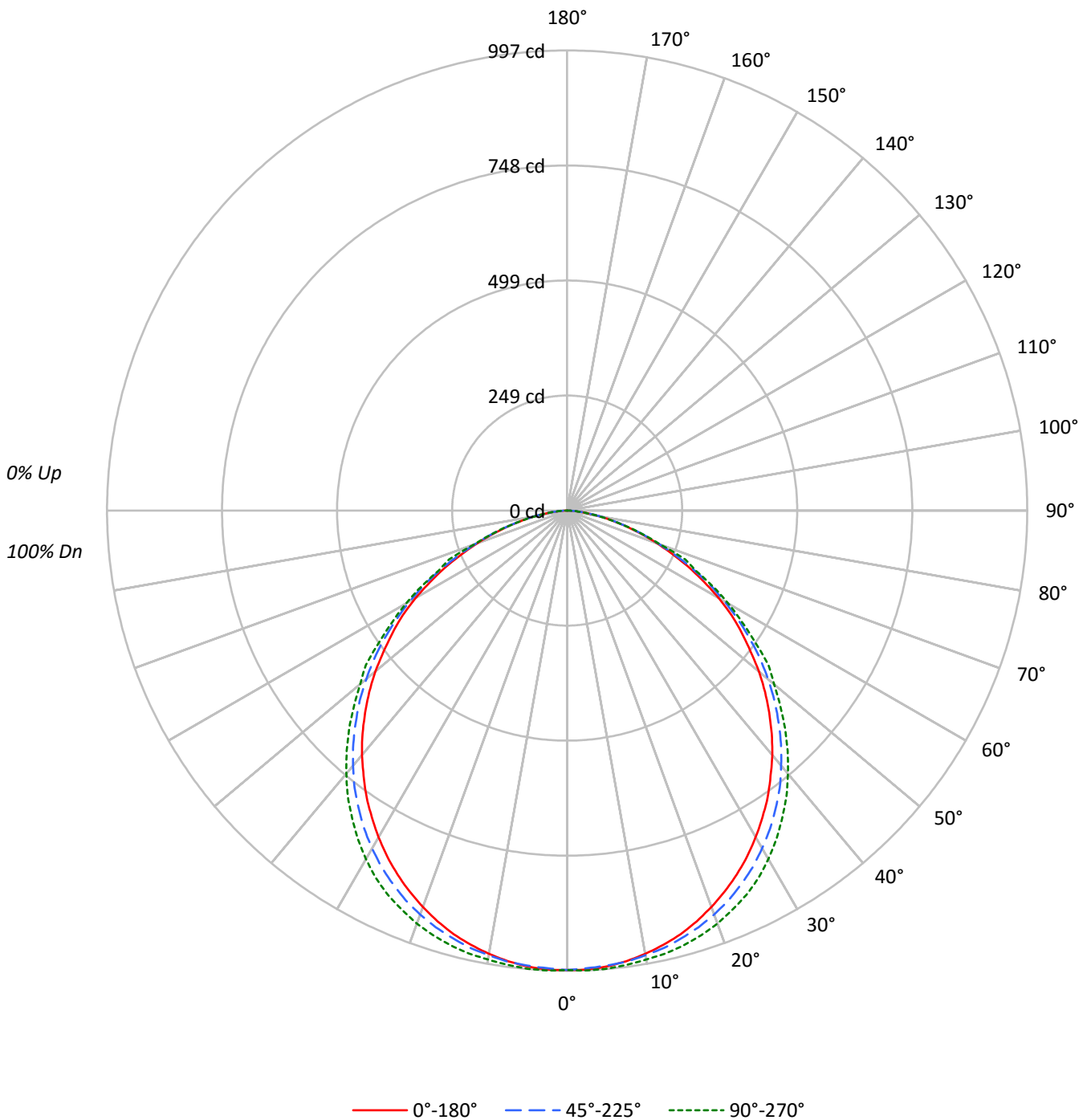
Input Watts (W): 21.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P296759

CATALOG NUMBER: D3X-WD-31L82765-LD5-UNV-24-T1-W2A-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P296759

CATALOG NUMBER: D3X-WD-31L82765-LD5-UNV-24-T1-W2A-2700K

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	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
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	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1339	1339	1339
5°	1339	1337	1346
10°	1332	1336	1349
15°	1324	1336	1358
20°	1309	1333	1363
25°	1291	1326	1364
30°	1270	1313	1354
35°	1245	1293	1334
40°	1215	1267	1307
45°	1178	1232	1271
50°	1135	1189	1225
55°	1083	1133	1166
60°	1021	1059	1085
65°	927	958	976
70°	814	833	844
75°	687	697	702
80°	549	556	542
85°	369	384	369



TEST NUMBER: P296759

CATALOG NUMBER: D3X-WD-31L82765-LD5-UNV-24-T1-W2A-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.3	3.5
10°-20°	271.3	10.2
20°-30°	411.6	15.4
30°-40°	491.4	18.4
40°-50°	497.5	18.6
50°-60°	430.0	16.1
60°-70°	298.0	11.2
70°-80°	144.2	5.4
80°-90°	31.7	1.2
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°	777.2	29.1
0°-40°	1268.6	47.5
0°-60°	2196.1	82.2
0°-90°	2670.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2670.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	995	995	995	995	995	
5°	992	991	990	994	996	94
15°	950	952	959	970	975	268
25°	870	876	893	911	919	401
35°	758	764	788	808	812	473
45°	619	628	648	664	668	477
55°	462	466	483	503	497	413
65°	291	294	301	306	307	288
75°	132	133	134	133	135	142
85°	24	26	25	24	24	31
90°	0	0	0	0	0	



TEST NUMBER: P296759

CATALOG NUMBER: D3X-WD-31L82765-LD5-UNV-24-T1-W2A-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	995.4	995.4	995.4	995.4	995.4
2.5°	995.4	994.4	992.5	995.4	997.3
5°	991.5	990.6	989.6	994.4	996.3
7.5°	984.8	984.8	985.8	990.6	992.5
10°	975.2	976.2	978.1	985.8	987.7
12.5°	963.7	965.7	970.4	979.1	982.9
15°	950.3	952.2	959.0	970.4	975.2
17.5°	933.1	936.9	946.5	959.9	964.7
20°	913.9	918.7	931.2	946.5	952.2
22.5°	892.9	897.6	913.9	930.2	936.0
25°	869.9	875.6	892.9	911.1	918.7
27.5°	845.0	851.7	870.8	890.0	897.6
30°	817.2	824.8	845.0	865.1	871.8
32.5°	787.5	795.1	818.1	837.3	844.0
35°	757.8	764.5	787.5	807.6	812.4
37.5°	724.2	731.9	756.8	774.1	780.8
40°	691.7	699.3	721.4	738.6	744.4
42.5°	656.2	663.9	685.9	702.2	707.0
45°	618.9	627.5	647.6	663.9	667.7
47.5°	581.5	588.2	609.3	623.7	626.5
50°	542.2	548.9	568.1	582.5	585.3
52.5°	501.0	511.6	526.9	537.4	549.9
55°	461.8	466.5	482.8	502.9	497.2
57.5°	422.5	425.3	438.8	447.4	449.3
60°	379.4	383.2	393.7	398.5	403.3
62.5°	334.3	337.2	349.7	354.5	356.4
65°	291.2	294.1	300.8	305.6	306.6
67.5°	247.2	250.0	255.8	259.6	276.9
70°	206.9	208.8	211.7	219.4	214.6
72.5°	168.6	169.6	172.4	172.4	173.4
75°	132.2	133.2	134.1	133.2	135.1
77.5°	98.7	100.6	101.5	100.6	99.6
80°	70.9	72.8	71.8	69.9	69.9
82.5°	46.0	46.9	46.0	45.0	45.0
85°	23.9	25.9	24.9	23.9	23.9
87.5°	8.6	9.6	10.5	11.5	11.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)