

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: P296854

Luminaire Tested: **D3X-WD-36L93050-LD5-UNV-24-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296854
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-36L93050-LD5-UNV-24-T1-W2A-3000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2682.0 lumens
Efficiency: N/A
Efficacy: 104.0 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

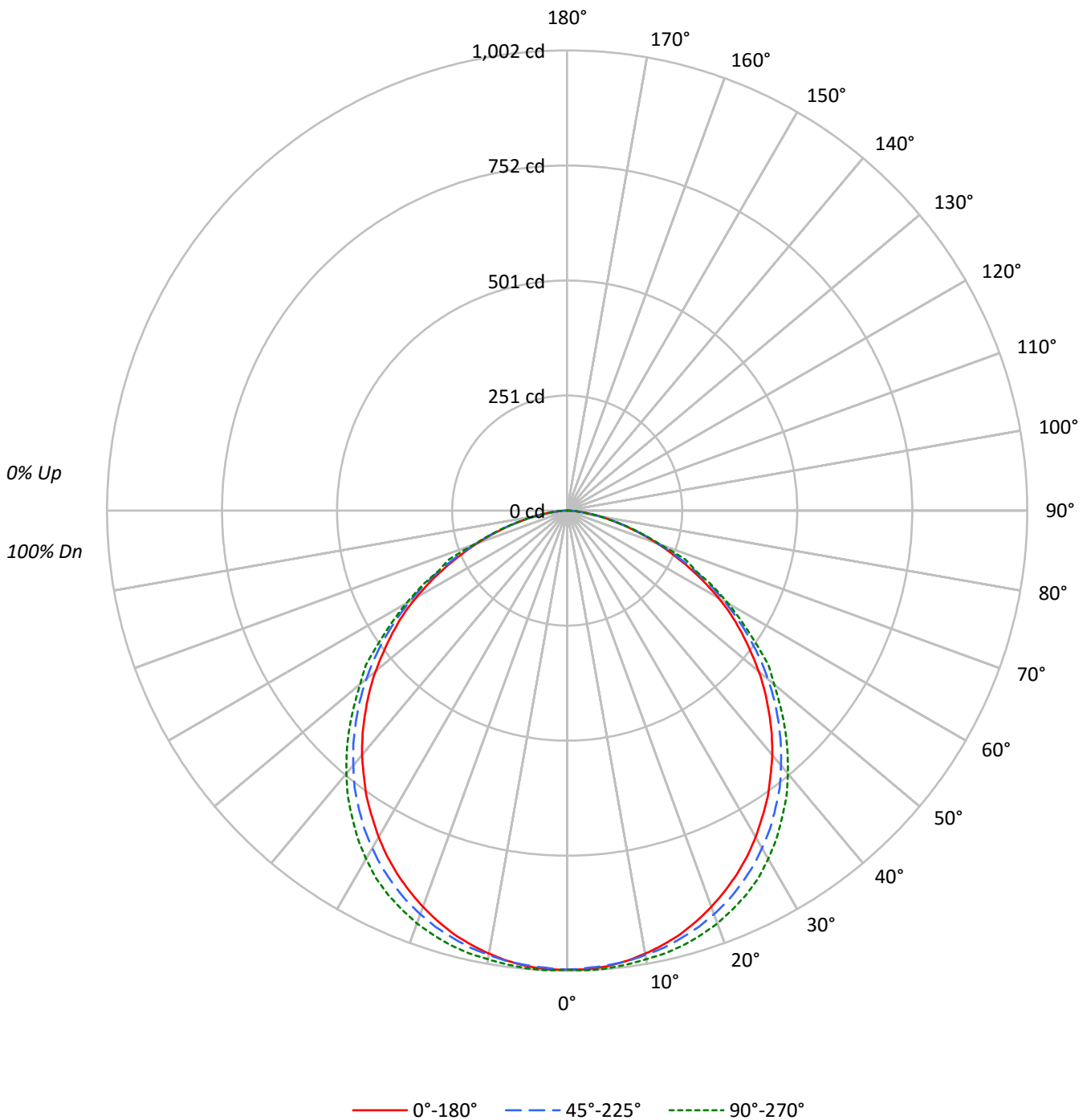
Input Watts (W): 25.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	1345	1345	1345
5°	1345	1343	1352
10°	1338	1342	1355
15°	1330	1342	1365
20°	1314	1339	1370
25°	1297	1332	1370
30°	1275	1319	1361
35°	1250	1299	1340
40°	1220	1273	1313
45°	1183	1238	1276
50°	1140	1194	1231
55°	1088	1138	1171
60°	1026	1064	1090
65°	931	962	980
70°	818	837	848
75°	690	700	705
80°	552	559	544
85°	372	386	372



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.8	3.5
10°-20°	272.5	10.2
20°-30°	413.4	15.4
30°-40°	493.6	18.4
40°-50°	499.7	18.6
50°-60°	431.9	16.1
60°-70°	299.4	11.2
70°-80°	144.8	5.4
80°-90°	31.8	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°	780.7	29.1
0°-40°	1274.3	47.5
0°-60°	2205.9	82.2
0°-90°	2682.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2682.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1000	1000	1000	1000	1000	
5°	996	995	994	999	1001	95
15°	955	956	963	975	980	269
25°	874	880	897	915	923	402
35°	761	768	791	811	816	475
45°	622	630	650	667	671	479
55°	464	469	485	505	499	415
65°	292	295	302	307	308	290
75°	133	134	135	134	136	143
85°	24	26	25	24	24	31
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	999.8	999.8	999.8	999.8	999.8
2.5°	999.8	998.9	996.9	999.8	1001.8
5°	996.0	995.0	994.1	998.9	1000.8
7.5°	989.2	989.2	990.2	995.0	996.9
10°	979.6	980.6	982.5	990.2	992.1
12.5°	968.1	970.0	974.8	983.5	987.3
15°	954.6	956.5	963.3	974.8	979.6
17.5°	937.3	941.1	950.8	964.2	969.0
20°	918.0	922.8	935.4	950.8	956.5
22.5°	896.9	901.7	918.0	934.4	940.2
25°	873.8	879.5	896.9	915.1	922.8
27.5°	848.7	855.5	874.7	894.0	901.7
30°	820.8	828.5	848.7	869.0	875.7
32.5°	791.0	798.7	821.8	841.1	847.8
35°	761.2	767.9	791.0	811.2	816.0
37.5°	727.5	735.2	760.2	777.5	784.3
40°	694.8	702.5	724.6	741.9	747.7
42.5°	659.2	666.9	689.0	705.4	710.2
45°	621.6	630.3	650.5	666.9	670.7
47.5°	584.1	590.9	612.0	626.5	629.3
50°	544.7	551.4	570.6	585.1	588.0
52.5°	503.3	513.9	529.3	539.9	552.4
55°	463.8	468.6	485.0	505.2	499.4
57.5°	424.4	427.3	440.7	449.4	451.3
60°	381.1	384.9	395.5	400.3	405.1
62.5°	335.8	338.7	351.2	356.1	358.0
65°	292.5	295.4	302.2	307.0	307.9
67.5°	248.3	251.2	256.9	260.8	278.1
70°	207.9	209.8	212.7	220.4	215.6
72.5°	169.4	170.3	173.2	173.2	174.2
75°	132.8	133.8	134.7	133.8	135.7
77.5°	99.1	101.0	102.0	101.0	100.1
80°	71.2	73.1	72.2	70.2	70.2
82.5°	46.2	47.2	46.2	45.2	45.2
85°	24.1	26.0	25.0	24.1	24.1
87.5°	8.7	9.6	10.6	11.5	11.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)