

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: P296911

Luminaire Tested: **D3X-WD-36L92765-LD5-UNV-24-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P296911
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-36L92765-LD5-UNV-24-T1-W2A-4000K
Description: D3X LED 2x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (504) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3045.0 lumens
Efficiency: N/A
Efficacy: 119.4 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

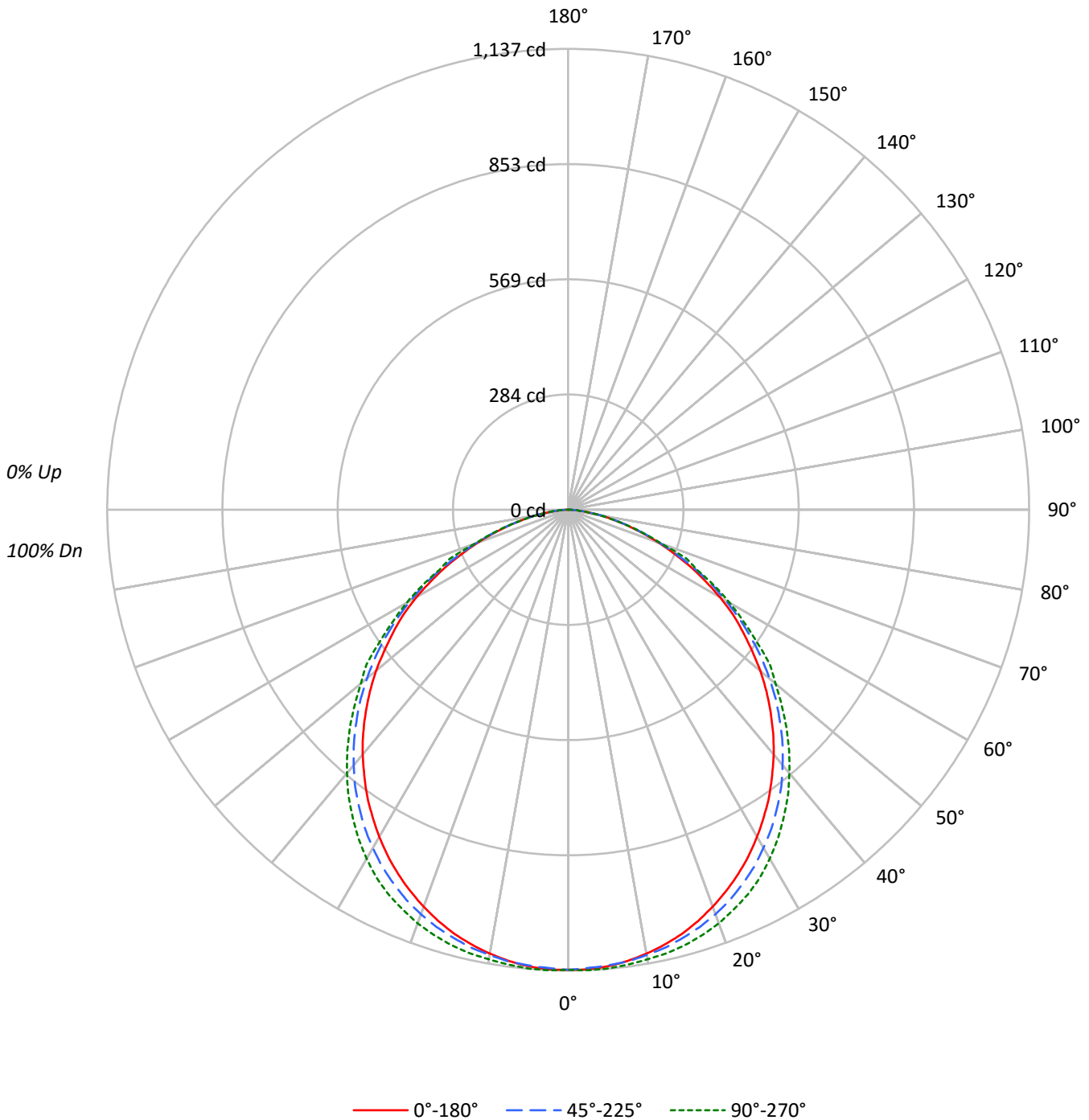
Input Watts (W): 25.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1527	1527	1527
5°	1527	1524	1535
10°	1520	1524	1539
15°	1510	1523	1549
20°	1492	1521	1555
25°	1473	1512	1556
30°	1448	1497	1545
35°	1419	1475	1522
40°	1385	1445	1491
45°	1343	1405	1449
50°	1294	1356	1397
55°	1235	1292	1330
60°	1164	1208	1238
65°	1057	1092	1113
70°	928	950	963
75°	784	795	801
80°	626	635	618
85°	421	438	421



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.6	3.5
10°-20°	309.4	10.2
20°-30°	469.4	15.4
30°-40°	560.4	18.4
40°-50°	567.3	18.6
50°-60°	490.4	16.1
60°-70°	339.9	11.2
70°-80°	164.5	5.4
80°-90°	36.1	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°	886.3	29.1
0°-40°	1446.7	47.5
0°-60°	2504.5	82.2
0°-90°	3045.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3045.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1135	1135	1135	1135	1135	
5°	1131	1130	1129	1134	1136	107
15°	1084	1086	1094	1107	1112	305
25°	992	999	1018	1039	1048	457
35°	864	872	898	921	926	540
45°	706	716	739	757	762	544
55°	527	532	551	574	567	471
65°	332	335	343	348	350	329
75°	151	152	153	152	154	162
85°	27	30	28	27	27	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1135.2	1135.2	1135.2	1135.2	<i>1135.2</i>
2.5°	<i>1135.2</i>	<i>1134.1</i>	<i>1131.9</i>	<i>1135.2</i>	<i>1137.3</i>
5°	1130.8	1129.7	1128.6	1134.1	<i>1136.2</i>
7.5°	1123.1	1123.1	1124.2	1129.7	<i>1131.9</i>
10°	1112.2	1113.3	1115.5	1124.2	<i>1126.4</i>
12.5°	1099.1	1101.3	1106.7	1116.6	<i>1121.0</i>
15°	1083.8	1086.0	1093.6	1106.7	<i>1112.2</i>
17.5°	1064.1	1068.5	1079.4	1094.7	<i>1100.2</i>
20°	1042.3	1047.8	1062.0	1079.4	<i>1086.0</i>
22.5°	1018.3	1023.7	1042.3	1060.9	<i>1067.4</i>
25°	992.0	998.6	1018.3	1039.0	<i>1047.8</i>
27.5°	963.6	971.3	993.1	1015.0	<i>1023.7</i>
30°	931.9	940.7	963.6	986.6	<i>994.2</i>
32.5°	898.1	906.8	933.0	954.9	<i>962.5</i>
35°	864.2	871.9	898.1	921.0	<i>926.5</i>
37.5°	826.0	834.7	863.1	882.8	<i>890.4</i>
40°	788.8	797.6	822.7	842.4	<i>848.9</i>
42.5°	748.4	757.1	782.3	800.8	<i>806.3</i>
45°	705.8	715.6	738.6	757.1	<i>761.5</i>
47.5°	663.2	670.8	694.9	711.2	<i>714.5</i>
50°	618.4	626.0	647.9	664.3	<i>667.5</i>
52.5°	571.4	583.4	600.9	612.9	<i>627.1</i>
55°	526.6	532.1	550.6	573.6	<i>567.0</i>
57.5°	481.8	485.1	500.4	510.2	<i>512.4</i>
60°	432.6	437.0	449.0	454.5	<i>460.0</i>
62.5°	381.3	384.6	398.8	404.2	<i>406.4</i>
65°	332.1	335.4	343.1	348.5	<i>349.6</i>
67.5°	281.9	285.2	291.7	296.1	<i>315.7</i>
70°	236.0	238.2	241.5	250.2	<i>244.7</i>
72.5°	192.3	193.4	196.7	196.7	<i>197.8</i>
75°	150.8	151.9	153.0	151.9	<i>154.0</i>
77.5°	112.5	114.7	115.8	114.7	<i>113.6</i>
80°	80.8	83.0	81.9	79.8	<i>79.8</i>
82.5°	52.4	53.5	52.4	51.3	<i>51.3</i>
85°	27.3	29.5	28.4	27.3	<i>27.3</i>
87.5°	9.8	10.9	12.0	13.1	<i>13.1</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>

(END OF REPORT)