

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: P298129

Luminaire Tested: **D3X-WD-44L92765-LD5-UNV-22-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P298129
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-44L92765-LD5-UNV-22-T1-W2A-3000K
Description: D3X LED 2x2 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (252) 90 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3306.0 lumens
Efficiency: N/A
Efficacy: 93.9 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

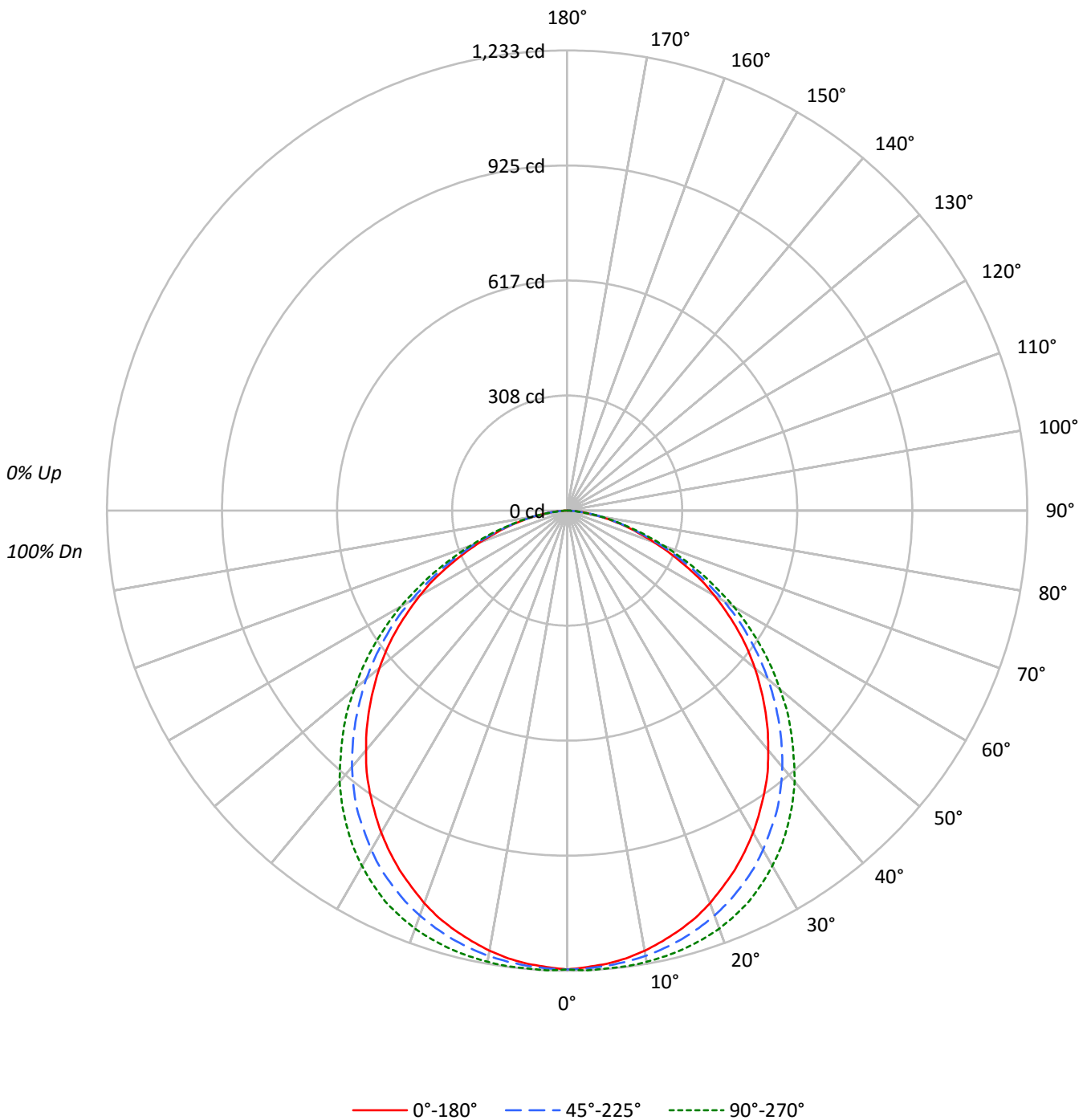
Input Watts (W): 35.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P298129

CATALOG NUMBER: D3X-WD-44L92765-LD5-UNV-22-T1-W2A-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P298129

CATALOG NUMBER: D3X-WD-44L92765-LD5-UNV-22-T1-W2A-3000K

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	95	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	77	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	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	31	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°	3309	3309	3309
5°	3293	3307	3326
10°	3272	3311	3355
15°	3242	3312	3386
20°	3205	3307	3414
25°	3154	3292	3429
30°	3096	3262	3417
35°	3028	3221	3385
40°	2944	3151	3332
45°	2851	3054	3237
50°	2749	2943	3114
55°	2622	2797	2972
60°	2452	2605	2778
65°	2221	2357	2504
70°	1960	2058	2170
75°	1683	1721	1795
80°	1351	1379	1407
85°	988	880	880



TEST NUMBER: P298129

CATALOG NUMBER: D3X-WD-44L92765-LD5-UNV-22-T1-W2A-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.5	3.5
10°-20°	335.7	10.2
20°-30°	510.6	15.4
30°-40°	610.9	18.5
40°-50°	617.5	18.7
50°-60°	531.4	16.1
60°-70°	366.9	11.1
70°-80°	177.9	5.4
80°-90°	38.6	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°	962.8	29.1
0°-40°	1573.6	47.6
0°-60°	2722.6	82.4
0°-90°	3306.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3306.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1230	1230	1230	1230	1230	
5°	1219	1221	1224	1230	1231	116
15°	1164	1171	1189	1206	1215	328
25°	1062	1075	1109	1142	1155	489
35°	922	938	980	1016	1030	576
45°	749	763	803	836	851	578
55°	559	568	596	623	634	498
65°	349	354	370	386	393	347
75°	162	158	166	171	173	172
85°	32	32	28	28	28	39
90°	0	0	0	0	0	



TEST NUMBER: P298129

CATALOG NUMBER: D3X-WD-44L92765-LD5-UNV-22-T1-W2A-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1229.6	1229.6	1229.6	1229.6	1229.6
2.5°	1224.3	1224.3	1227.9	1231.4	1233.2
5°	1219.0	1220.7	1224.3	1229.6	1231.4
7.5°	1210.1	1211.8	1219.0	1227.9	1231.4
10°	1197.6	1201.2	1211.8	1222.5	1227.9
12.5°	1181.6	1188.7	1201.2	1215.4	1222.5
15°	1163.8	1170.9	1188.7	1206.5	1215.4
17.5°	1144.2	1151.3	1172.7	1195.8	1204.7
20°	1119.3	1130.0	1154.9	1181.6	1192.3
22.5°	1090.8	1105.1	1133.5	1162.0	1174.5
25°	1062.4	1074.8	1108.6	1142.4	1154.9
27.5°	1030.3	1044.6	1081.9	1115.7	1128.2
30°	996.5	1010.8	1049.9	1087.3	1099.7
32.5°	959.2	976.9	1014.3	1053.5	1067.7
35°	921.8	937.8	980.5	1016.1	1030.3
37.5°	882.6	896.9	939.6	976.9	991.2
40°	838.1	854.2	896.9	934.2	948.5
42.5°	795.4	811.5	850.6	886.2	898.6
45°	749.2	763.4	802.6	836.4	850.6
47.5°	702.9	718.9	752.7	786.5	800.8
50°	656.6	669.1	702.9	734.9	743.8
52.5°	608.6	619.3	649.5	678.0	690.4
55°	558.8	567.7	596.1	622.8	633.5
57.5°	505.4	516.1	542.7	562.3	574.8
60°	455.6	460.9	484.0	503.6	516.1
62.5°	405.7	407.5	425.3	444.9	452.0
65°	348.8	354.1	370.1	386.2	393.3
67.5°	297.2	302.5	315.0	327.4	332.8
70°	249.1	249.1	261.6	270.5	275.8
72.5°	201.1	202.9	211.8	217.1	222.4
75°	161.9	158.4	165.5	170.8	172.6
77.5°	121.0	119.2	124.6	126.3	129.9
80°	87.2	87.2	89.0	90.8	90.8
82.5°	56.9	56.9	58.7	55.2	53.4
85°	32.0	32.0	28.5	28.5	28.5
87.5°	10.7	10.7	10.7	12.5	10.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)