

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: P297680

Luminaire Tested: **D3X-WD-40L92765-LD5-UNV-14-T1-W2A-2700K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297680
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-40L92765-LD5-UNV-14-T1-W2A-2700K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 2700K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3019.0 lumens
Efficiency: N/A
Efficacy: 76.8 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

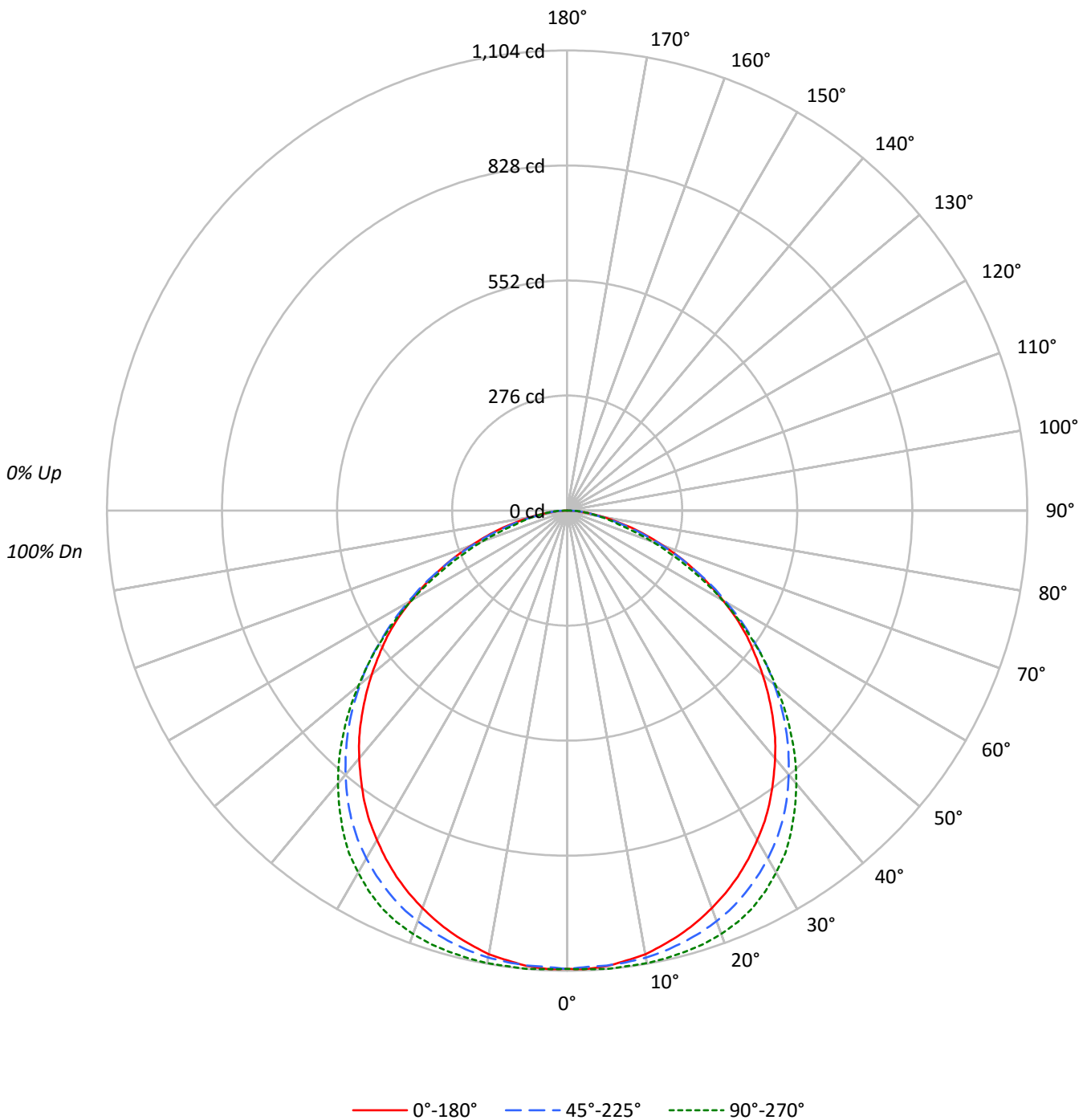
Input Watts (W): 39.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297680

CATALOG NUMBER: D3X-WD-40L92765-LD5-UNV-14-T1-W2A-2700K

Luminous Intensity Polar Plot





TEST NUMBER: P297680

CATALOG NUMBER: D3X-WD-40L92765-LD5-UNV-14-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	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	71
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	27	38	32	27	37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2959	2959	2959
5°	2963	2959	2981
10°	2953	2975	3012
15°	2932	2988	3052
20°	2906	3003	3095
25°	2877	3005	3125
30°	2835	2994	3115
35°	2789	2966	3081
40°	2727	2907	3006
45°	2651	2826	2893
50°	2561	2714	2736
55°	2472	2567	2554
60°	2328	2379	2321
65°	2145	2154	2034
70°	1919	1876	1707
75°	1668	1555	1317
80°	1336	1212	1212
85°	957	1124	1164



TEST NUMBER: P297680

CATALOG NUMBER: D3X-WD-40L92765-LD5-UNV-14-T1-W2A-2700K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.6	3.5
10°-20°	303.6	10.1
20°-30°	466.1	15.4
30°-40°	561.3	18.6
40°-50°	567.3	18.8
50°-60°	483.9	16.0
60°-70°	331.2	11.0
70°-80°	159.8	5.3
80°-90°	41.2	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°	874.3	29.0
0°-40°	1435.6	47.6
0°-60°	2486.7	82.4
0°-90°	3019.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3019.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1100	1100	1100	1100	1100	
5°	1097	1097	1096	1102	1104	104
15°	1052	1061	1073	1092	1096	297
25°	969	984	1012	1042	1052	446
35°	849	868	903	931	938	530
45°	697	716	742	760	760	537
55°	527	536	547	550	544	469
65°	337	341	338	326	319	334
75°	160	160	150	132	127	170
85°	31	34	36	38	38	38
90°	0	0	0	0	0	



TEST NUMBER: P297680

CATALOG NUMBER: D3X-WD-40L92765-LD5-UNV-14-T1-W2A-2700K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1099.7	1099.7	1099.7	1099.7	1099.7
2.5°	1101.0	1099.7	1095.6	1101.0	1101.0
5°	1097.0	1097.0	1095.6	1102.4	1103.7
7.5°	1088.9	1091.6	1092.9	1101.0	1102.4
10°	1080.8	1083.5	1088.9	1099.7	1102.4
12.5°	1067.3	1072.7	1082.1	1097.0	1099.7
15°	1052.5	1060.6	1072.7	1091.6	1095.6
17.5°	1035.0	1045.8	1061.9	1083.5	1090.2
20°	1014.8	1026.9	1048.5	1072.7	1080.8
22.5°	993.2	1006.7	1032.3	1060.6	1068.7
25°	968.9	983.8	1012.1	1041.7	1052.5
27.5°	942.0	958.2	989.2	1020.1	1029.6
30°	912.3	929.9	963.5	994.5	1002.6
32.5°	882.7	900.2	935.2	964.9	974.3
35°	849.0	867.9	902.9	931.2	937.9
37.5°	812.6	831.5	866.5	894.8	897.5
40°	776.2	795.1	827.4	853.0	855.7
42.5°	738.5	756.0	785.7	807.2	809.9
45°	696.7	715.6	742.5	760.1	760.1
47.5°	654.9	673.8	696.7	708.8	708.8
50°	611.8	629.3	648.2	654.9	653.6
52.5°	568.7	584.9	601.0	602.4	599.7
55°	526.9	536.4	547.1	549.8	544.4
57.5°	481.1	489.2	495.9	491.9	487.8
60°	432.6	440.7	442.0	435.3	431.2
62.5°	385.4	392.2	392.2	381.4	374.6
65°	336.9	340.9	338.3	326.1	319.4
67.5°	291.1	293.8	288.4	276.3	265.5
70°	243.9	245.3	238.5	223.7	217.0
72.5°	200.8	202.1	194.1	176.5	168.5
75°	160.4	160.4	149.6	132.1	126.7
77.5°	119.9	124.0	111.9	102.4	102.4
80°	86.2	90.3	78.2	79.5	78.2
82.5°	56.6	60.6	56.6	56.6	56.6
85°	31.0	33.7	36.4	37.7	37.7
87.5°	9.4	16.2	17.5	18.9	21.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)