

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: P297602

Luminaire Tested: **D3X-WD-35L82765-LD5-UNV-14-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297602
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-35L82765-LD5-UNV-14-T1-W2A-3000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 80 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3196.0 lumens
Efficiency: N/A
Efficacy: 96.0 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

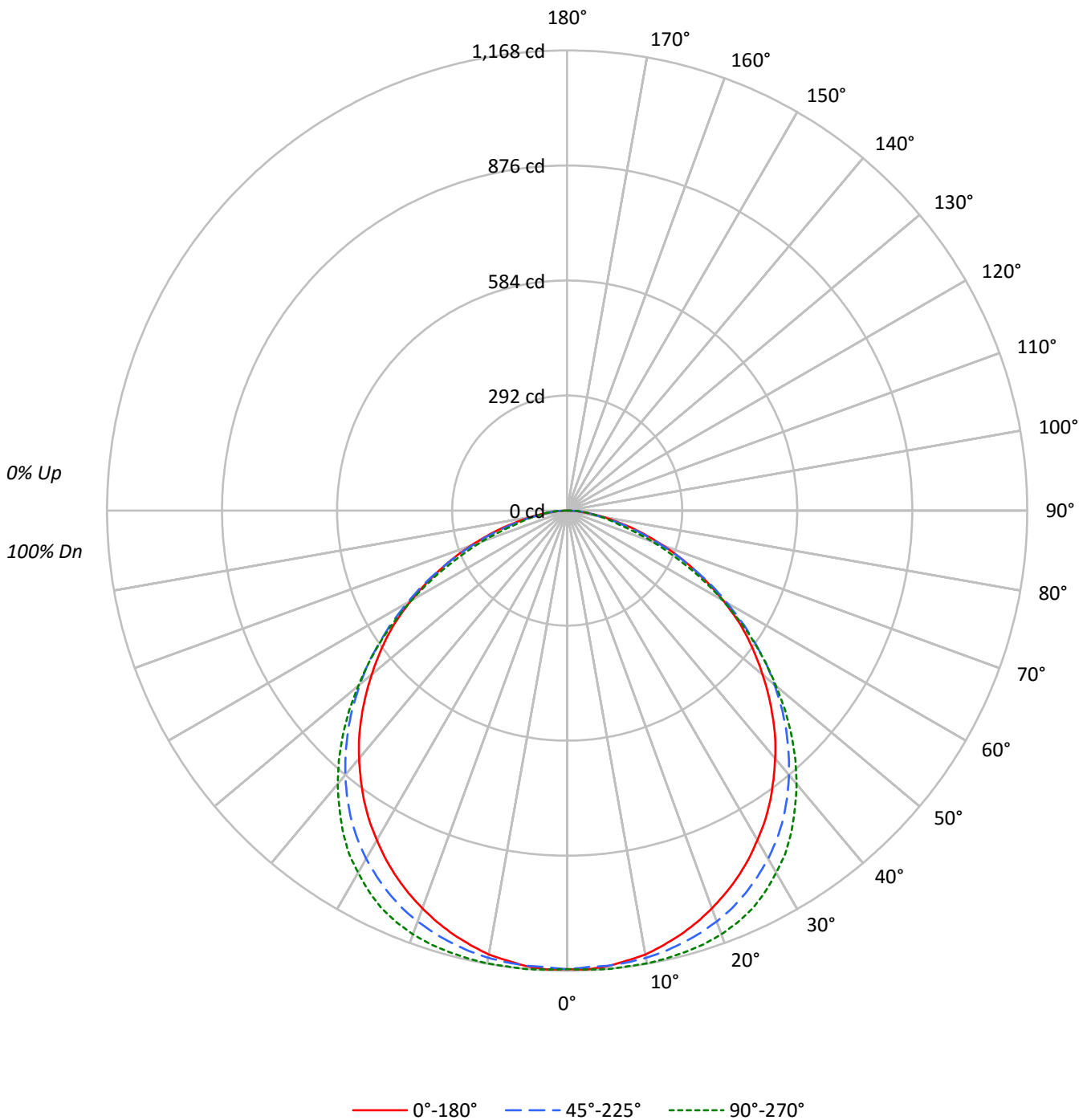
Input Watts (W): 33.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297602

CATALOG NUMBER: D3X-WD-35L82765-LD5-UNV-14-T1-W2A-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P297602

CATALOG NUMBER: D3X-WD-35L82765-LD5-UNV-14-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	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°	3133	3133	3133
5°	3137	3133	3156
10°	3127	3150	3189
15°	3104	3164	3231
20°	3076	3178	3277
25°	3045	3181	3308
30°	3001	3169	3298
35°	2953	3140	3262
40°	2886	3077	3182
45°	2807	2992	3062
50°	2712	2873	2897
55°	2617	2717	2704
60°	2464	2518	2457
65°	2271	2280	2153
70°	2031	1987	1807
75°	1765	1647	1394
80°	1415	1282	1282
85°	1013	1189	1232



TEST NUMBER: P297602

CATALOG NUMBER: D3X-WD-35L82765-LD5-UNV-14-T1-W2A-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.7	3.5
10°-20°	321.4	10.1
20°-30°	493.4	15.4
30°-40°	594.3	18.6
40°-50°	600.5	18.8
50°-60°	512.2	16.0
60°-70°	350.6	11.0
70°-80°	169.2	5.3
80°-90°	43.6	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°	925.5	29.0
0°-40°	1519.8	47.6
0°-60°	2632.5	82.4
0°-90°	3196.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3196.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1164	1164	1164	1164	1164	
5°	1161	1161	1160	1167	1168	110
15°	1114	1123	1136	1156	1160	314
25°	1026	1041	1071	1103	1114	472
35°	899	919	956	986	993	562
45°	738	758	786	805	805	569
55°	558	568	579	582	576	497
65°	357	361	358	345	338	354
75°	170	170	158	140	134	180
85°	33	36	38	40	40	40
90°	0	0	0	0	0	



TEST NUMBER: P297602

CATALOG NUMBER: D3X-WD-35L82765-LD5-UNV-14-T1-W2A-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1164.1	1164.1	1164.1	1164.1	1164.1
2.5°	1165.6	1164.1	1159.9	1165.6	1165.6
5°	1161.3	1161.3	1159.9	1167.0	1168.4
7.5°	1152.7	1155.6	1157.0	1165.6	1167.0
10°	1144.2	1147.0	1152.7	1164.1	1167.0
12.5°	1129.9	1135.6	1145.6	1161.3	1164.1
15°	1114.2	1122.8	1135.6	1155.6	1159.9
17.5°	1095.7	1107.1	1124.2	1147.0	1154.1
20°	1074.3	1087.1	1109.9	1135.6	1144.2
22.5°	1051.4	1065.7	1092.8	1122.8	1131.3
25°	1025.7	1041.4	1071.4	1102.8	1114.2
27.5°	997.2	1014.3	1047.1	1080.0	1089.9
30°	965.8	984.4	1020.0	1052.9	1061.4
32.5°	934.4	953.0	990.1	1021.5	1031.5
35°	898.8	918.8	955.8	985.8	992.9
37.5°	860.3	880.2	917.3	947.3	950.1
40°	821.7	841.7	876.0	903.1	905.9
42.5°	781.8	800.3	831.7	854.6	857.4
45°	737.6	757.5	786.1	804.6	804.6
47.5°	693.3	713.3	737.6	750.4	750.4
50°	647.7	666.2	686.2	693.3	691.9
52.5°	602.0	619.2	636.3	637.7	634.9
55°	557.8	567.8	579.2	582.1	576.4
57.5°	509.3	517.9	525.0	520.7	516.4
60°	457.9	466.5	467.9	460.8	456.5
62.5°	408.0	415.1	415.1	403.7	396.6
65°	356.7	360.9	358.1	345.2	338.1
67.5°	308.2	311.0	305.3	292.5	281.0
70°	258.2	259.6	252.5	236.8	229.7
72.5°	212.6	214.0	205.4	186.9	178.3
75°	169.8	169.8	158.4	139.8	134.1
77.5°	127.0	131.3	118.4	108.4	108.4
80°	91.3	95.6	82.7	84.2	82.7
82.5°	59.9	64.2	59.9	59.9	59.9
85°	32.8	35.7	38.5	39.9	39.9
87.5°	10.0	17.1	18.5	20.0	22.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)