

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: P297674

Luminaire Tested: **D3X-WD-35L92765-LD5-UNV-14-T1-W2A-4000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297674
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-35L92765-LD5-UNV-14-T1-W2A-4000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH ROUND PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 4000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2990.0 lumens
Efficiency: N/A
Efficacy: 88.2 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

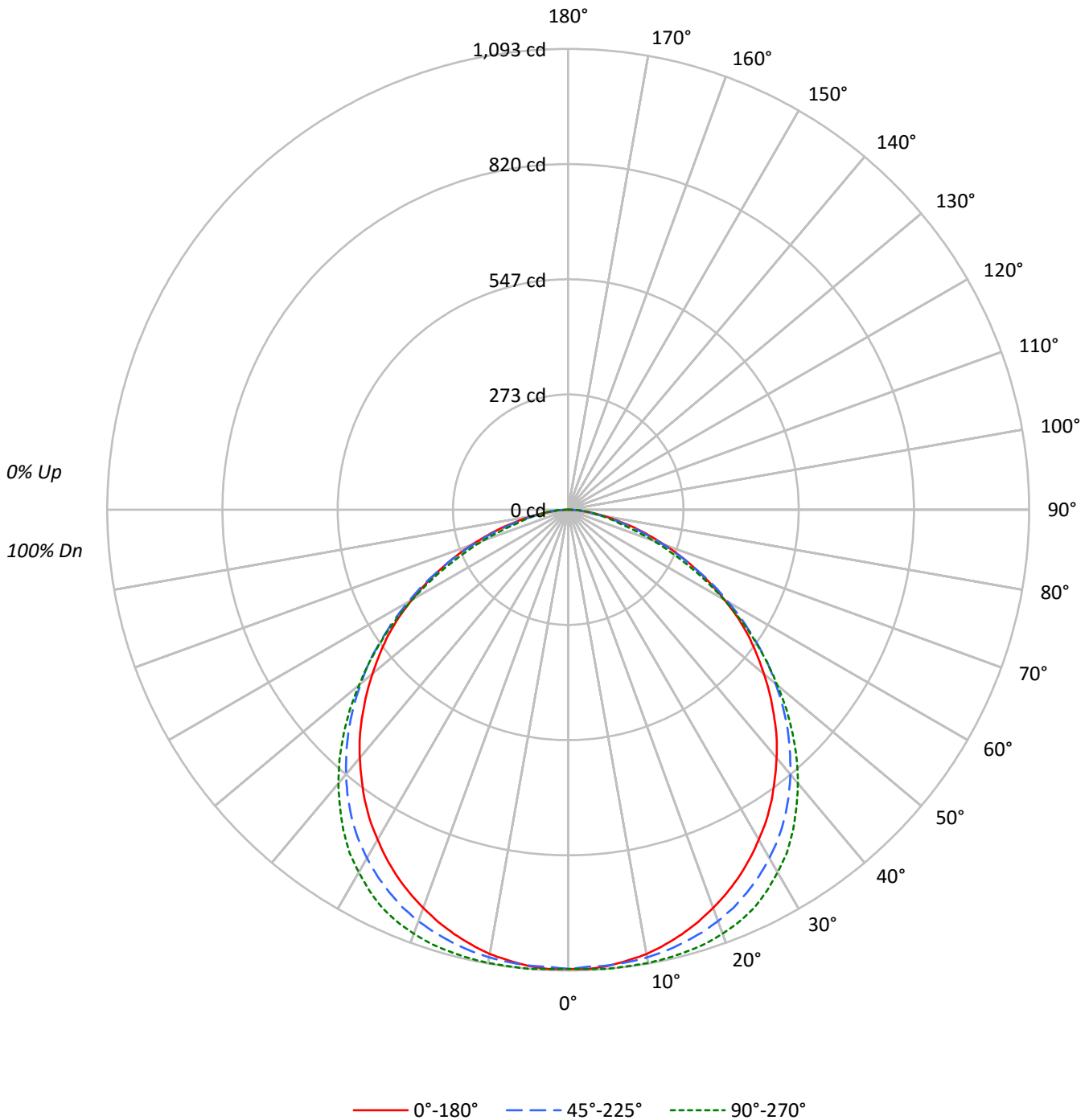
Input Watts (W): 33.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297674

CATALOG NUMBER: D3X-WD-35L92765-LD5-UNV-14-T1-W2A-4000K

Luminous Intensity Polar Plot





TEST NUMBER: P297674

CATALOG NUMBER: D3X-WD-35L92765-LD5-UNV-14-T1-W2A-4000K

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°	2931	2931	2931
5°	2935	2931	2953
10°	2925	2947	2983
15°	2904	2960	3023
20°	2878	2974	3065
25°	2849	2976	3095
30°	2808	2965	3086
35°	2762	2938	3052
40°	2701	2879	2977
45°	2626	2799	2865
50°	2537	2688	2710
55°	2449	2542	2530
60°	2306	2356	2299
65°	2125	2133	2014
70°	1901	1858	1691
75°	1651	1540	1305
80°	1323	1199	1199
85°	948	1112	1155



TEST NUMBER: P297674

CATALOG NUMBER: D3X-WD-35L92765-LD5-UNV-14-T1-W2A-4000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.6	3.5
10°-20°	300.6	10.1
20°-30°	461.6	15.4
30°-40°	556.0	18.6
40°-50°	561.8	18.8
50°-60°	479.2	16.0
60°-70°	328.0	11.0
70°-80°	158.3	5.3
80°-90°	40.8	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°	865.9	29.0
0°-40°	1421.8	47.6
0°-60°	2462.9	82.4
0°-90°	2990.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2990.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1089	1089	1089	1089	1089	
5°	1086	1086	1085	1092	1093	103
15°	1042	1050	1062	1081	1085	294
25°	960	974	1002	1032	1042	442
35°	841	860	894	922	929	525
45°	690	709	735	753	753	532
55°	522	531	542	544	539	465
65°	334	338	335	323	316	331
75°	159	159	148	131	126	169
85°	31	33	36	37	37	38
90°	0	0	0	0	0	



TEST NUMBER: P297674

CATALOG NUMBER: D3X-WD-35L92765-LD5-UNV-14-T1-W2A-4000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1089.1	1089.1	1089.1	1089.1	1089.1
2.5°	1090.4	1089.1	1085.1	1090.4	1090.4
5°	1086.4	1086.4	1085.1	1091.8	1093.1
7.5°	1078.4	1081.1	1082.4	1090.4	1091.8
10°	1070.4	1073.1	1078.4	1089.1	1091.8
12.5°	1057.1	1062.4	1071.7	1086.4	1089.1
15°	1042.4	1050.4	1062.4	1081.1	1085.1
17.5°	1025.0	1035.7	1051.7	1073.1	1079.8
20°	1005.0	1017.0	1038.4	1062.4	1070.4
22.5°	983.7	997.0	1022.4	1050.4	1058.4
25°	959.6	974.3	1002.3	1031.7	1042.4
27.5°	932.9	949.0	979.7	1010.4	1019.7
30°	903.6	920.9	954.3	985.0	993.0
32.5°	874.2	891.6	926.3	955.6	965.0
35°	840.8	859.5	894.2	922.3	928.9
37.5°	804.8	823.5	858.2	886.2	888.9
40°	768.8	787.5	819.5	844.9	847.5
42.5°	731.4	748.8	778.1	799.5	802.1
45°	690.0	708.7	735.4	752.8	752.8
47.5°	648.7	667.3	690.0	702.0	702.0
50°	605.9	623.3	642.0	648.7	647.3
52.5°	563.2	579.2	595.3	596.6	593.9
55°	521.9	531.2	541.9	544.5	539.2
57.5°	476.5	484.5	491.2	487.2	483.2
60°	428.4	436.4	437.8	431.1	427.1
62.5°	381.7	388.4	388.4	377.7	371.0
65°	333.7	337.7	335.0	323.0	316.3
67.5°	288.3	291.0	285.6	273.6	262.9
70°	241.6	242.9	236.2	221.6	214.9
72.5°	198.9	200.2	192.2	174.8	166.8
75°	158.8	158.8	148.1	130.8	125.5
77.5°	118.8	122.8	110.8	101.4	101.4
80°	85.4	89.4	77.4	78.7	77.4
82.5°	56.1	60.1	56.1	56.1	56.1
85°	30.7	33.4	36.0	37.4	37.4
87.5°	9.3	16.0	17.4	18.7	21.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)