

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: P297704

Luminaire Tested: **D3X-WG-35L83050-LD5-UNV-14-T1-W2A-3000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297704
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-35L83050-LD5-UNV-14-T1-W2A-3000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (168) 80 CRI LEDS TUNED TO 3000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3193.0 lumens
Efficiency: N/A
Efficacy: 95.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

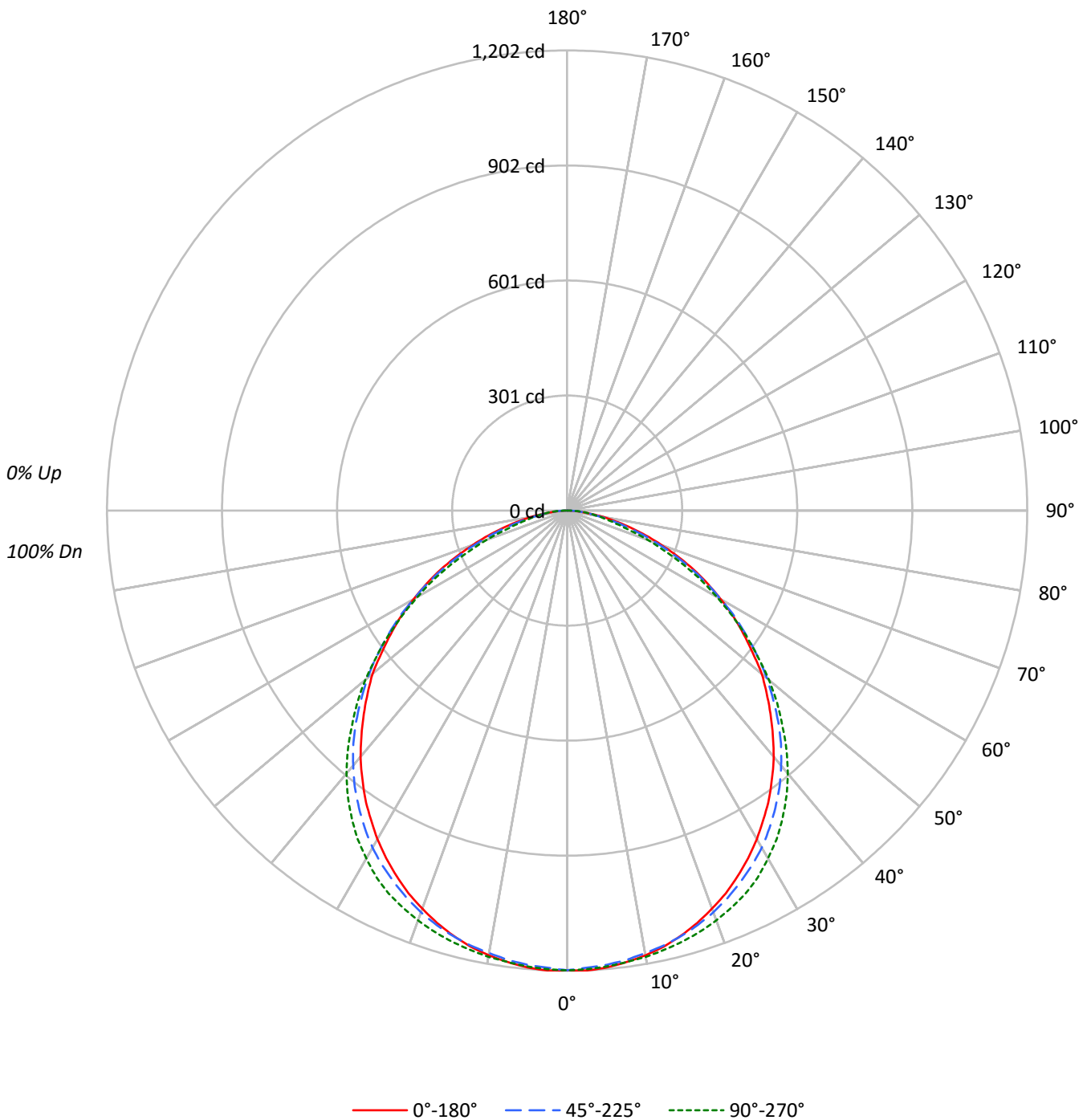
Input Watts (W): 33.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P297704

CATALOG NUMBER: D3X-WG-35L83050-LD5-UNV-14-T1-W2A-3000K

Luminous Intensity Polar Plot





TEST NUMBER: P297704

CATALOG NUMBER: D3X-WG-35L83050-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	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77	83	79	75	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43	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	62	48	40	34	60	48	40	34	46	39	34	45	38	34	44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30	41	35	30	40	35	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3231	3231	3231
5°	3236	3217	3228
10°	3223	3207	3234
15°	3202	3206	3246
20°	3169	3198	3263
25°	3129	3180	3277
30°	3079	3159	3261
35°	3021	3115	3222
40°	2949	3055	3150
45°	2858	2967	3027
50°	2780	2851	2881
55°	2639	2693	2679
60°	2498	2498	2428
65°	2318	2264	2136
70°	2056	1966	1775
75°	1781	1618	1366
80°	1460	1261	1240
85°	969	1145	1235



TEST NUMBER: P297704

CATALOG NUMBER: D3X-WG-35L83050-LD5-UNV-14-T1-W2A-3000K

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.5	3.6
10°-20°	325.9	10.2
20°-30°	495.3	15.5
30°-40°	593.0	18.6
40°-50°	598.2	18.7
50°-60°	509.5	16.0
60°-70°	348.4	10.9
70°-80°	166.8	5.2
80°-90°	42.3	1.3
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°	934.8	29.3
0°-40°	1527.8	47.8
0°-60°	2635.5	82.5
0°-90°	3193.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3193.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1201	1201	1201	1201	1201	
5°	1198	1196	1191	1196	1195	114
15°	1149	1147	1151	1164	1165	324
25°	1054	1055	1071	1095	1104	485
35°	920	922	948	975	981	574
45°	751	757	780	795	795	580
55°	563	565	574	575	571	504
65°	364	357	356	343	336	359
75°	171	168	156	136	131	183
85°	31	34	37	39	40	40
90°	0	0	0	0	0	



TEST NUMBER: P297704

CATALOG NUMBER: D3X-WG-35L83050-LD5-UNV-14-T1-W2A-3000K

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1200.8	1200.8	1200.8	1200.8	1200.8
2.5°	1202.3	1200.8	1195.1	1200.8	1199.4
5°	1198.0	1196.5	1190.8	1196.5	1195.1
7.5°	1189.4	1188.0	1183.7	1189.4	1189.4
10°	1179.4	1176.6	1173.7	1182.3	1183.7
12.5°	1166.6	1163.7	1163.7	1173.7	1175.1
15°	1149.4	1146.6	1150.9	1163.7	1165.1
17.5°	1129.4	1128.0	1135.1	1150.9	1153.7
20°	1106.6	1105.2	1116.6	1135.1	1139.4
22.5°	1082.3	1082.3	1095.2	1116.6	1122.3
25°	1053.8	1055.2	1070.9	1095.2	1103.7
27.5°	1023.8	1026.6	1045.2	1072.3	1079.5
30°	990.9	995.2	1016.6	1042.3	1049.5
32.5°	955.2	959.5	983.8	1010.9	1018.1
35°	919.5	922.4	948.1	975.2	980.9
37.5°	879.6	883.8	911.0	935.2	941.0
40°	839.6	843.9	869.6	892.4	896.7
42.5°	795.3	801.0	826.7	845.3	848.1
45°	751.1	756.8	779.6	795.3	795.3
47.5°	706.8	709.6	729.6	745.3	743.9
50°	664.0	662.5	681.1	688.2	688.2
52.5°	611.1	615.4	628.3	632.5	628.3
55°	562.6	565.4	574.0	575.4	571.1
57.5°	515.5	514.0	521.2	516.9	511.2
60°	464.1	464.1	464.1	459.8	451.2
62.5°	414.1	411.2	409.8	399.8	395.5
65°	364.1	357.0	355.5	342.7	335.5
67.5°	311.3	308.4	301.3	288.4	275.6
70°	261.3	258.4	249.9	234.2	225.6
72.5°	215.6	212.8	201.3	182.8	171.3
75°	171.3	168.5	155.6	135.6	131.4
77.5°	129.9	128.5	115.7	105.7	104.2
80°	94.2	92.8	81.4	81.4	80.0
82.5°	60.0	60.0	57.1	58.5	60.0
85°	31.4	34.3	37.1	38.6	40.0
87.5°	10.0	15.7	18.6	20.0	18.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)