

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: P297816

Luminaire Tested: **D3X-WG-35L92765-LD5-UNV-14-T1-W2A-5000K**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297816
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-35L92765-LD5-UNV-14-T1-W2A-5000K
Description: D3X LED 1x4 TUNABLE WHITE TROFFER
WITH RECTANGULAR PERF LENS
Light Source: (168) 90 CRI LEDS TUNED TO 5000K CCT
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3124.0 lumens
Efficiency: N/A
Efficacy: 91.1 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

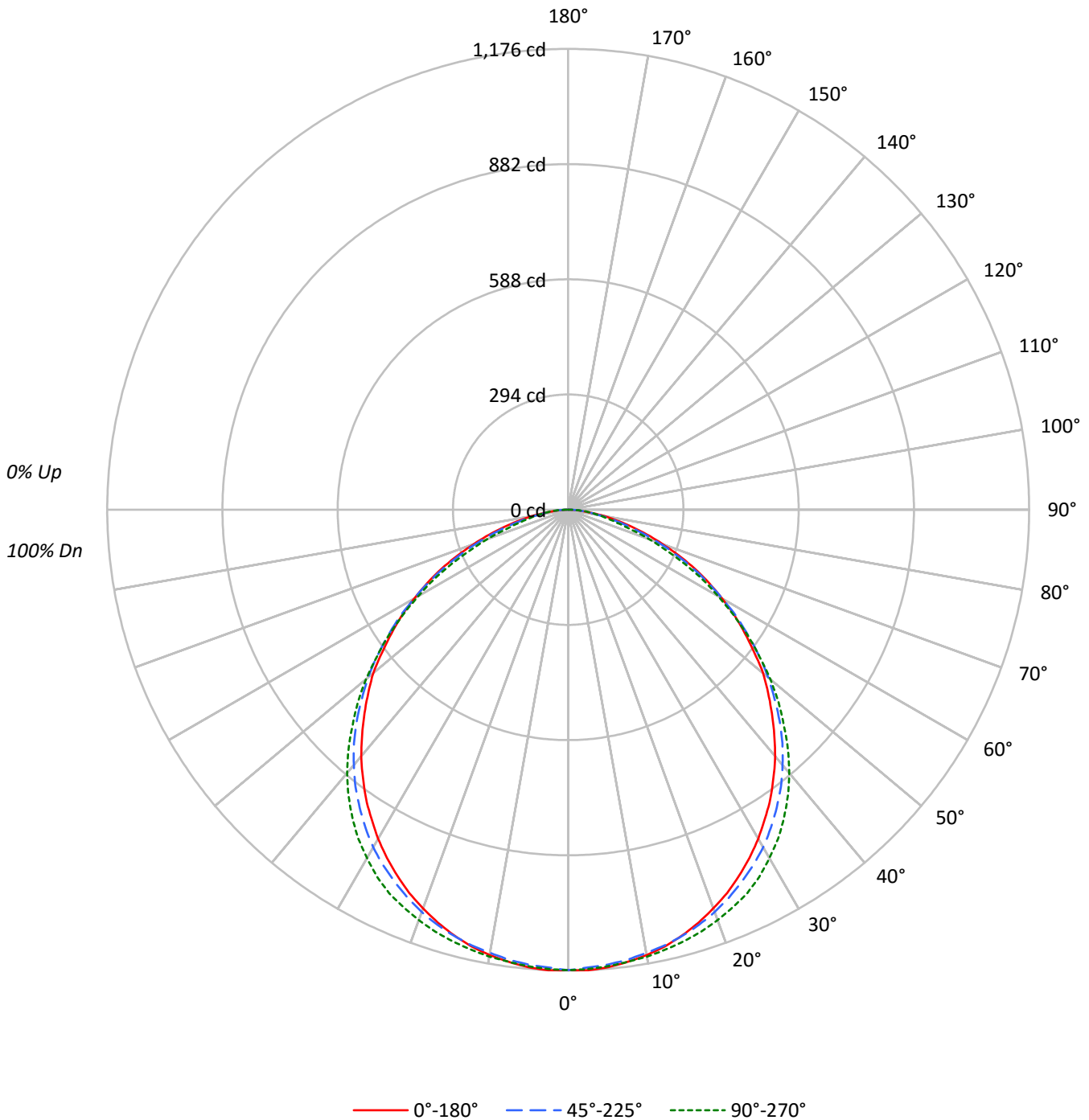
Input Watts (W): 34.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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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°	3162	3162	3162
5°	3166	3147	3159
10°	3153	3138	3164
15°	3133	3137	3176
20°	3101	3129	3192
25°	3061	3111	3206
30°	3013	3091	3191
35°	2956	3047	3153
40°	2885	2989	3082
45°	2796	2903	2961
50°	2719	2790	2819
55°	2582	2635	2622
60°	2443	2443	2376
65°	2268	2215	2090
70°	2012	1924	1736
75°	1743	1583	1336
80°	1429	1234	1212
85°	948	1121	1207



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.1	3.6
10°-20°	318.9	10.2
20°-30°	484.6	15.5
30°-40°	580.2	18.6
40°-50°	585.3	18.7
50°-60°	498.5	16.0
60°-70°	340.9	10.9
70°-80°	163.2	5.2
80°-90°	41.3	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°	914.6	29.3
0°-40°	1494.8	47.8
0°-60°	2578.6	82.5
0°-90°	3124.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3124.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1175	1175	1175	1175	1175	
5°	1172	1171	1165	1171	1169	111
15°	1125	1122	1126	1139	1140	317
25°	1031	1032	1048	1072	1080	475
35°	900	902	928	954	960	562
45°	735	740	763	778	778	567
55°	550	553	562	563	559	493
65°	356	349	348	335	328	351
75°	168	165	152	133	128	179
85°	31	34	36	38	39	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1174.9	1174.9	1174.9	1174.9	1174.9
2.5°	1176.3	1174.9	1169.3	1174.9	1173.5
5°	1172.1	1170.7	1165.1	1170.7	1169.3
7.5°	1163.7	1162.3	1158.1	1163.7	1163.7
10°	1153.9	1151.1	1148.3	1156.7	1158.1
12.5°	1141.4	1138.6	1138.6	1148.3	1149.7
15°	1124.6	1121.8	1126.0	1138.6	1140.0
17.5°	1105.0	1103.6	1110.6	1126.0	1128.8
20°	1082.7	1081.3	1092.5	1110.6	1114.8
22.5°	1058.9	1058.9	1071.5	1092.5	1098.0
25°	1031.0	1032.4	1047.8	1071.5	1079.9
27.5°	1001.7	1004.4	1022.6	1049.1	1056.1
30°	969.5	973.7	994.7	1019.8	1026.8
32.5°	934.6	938.8	962.5	989.1	996.1
35°	899.7	902.5	927.6	954.2	959.7
37.5°	860.6	864.7	891.3	915.0	920.6
40°	821.4	825.6	850.8	873.1	877.3
42.5°	778.1	783.7	808.9	827.0	829.8
45°	734.8	740.4	762.8	778.1	778.1
47.5°	691.5	694.3	713.9	729.2	727.8
50°	649.6	648.2	666.4	673.4	673.4
52.5°	597.9	602.1	614.7	618.9	614.7
55°	550.4	553.2	561.6	563.0	558.8
57.5°	504.3	502.9	509.9	505.7	500.1
60°	454.0	454.0	454.0	449.8	441.5
62.5°	405.1	402.3	400.9	391.2	387.0
65°	356.2	349.3	347.9	335.3	328.3
67.5°	304.5	301.8	294.8	282.2	269.6
70°	255.7	252.9	244.5	229.1	220.7
72.5°	210.9	208.2	197.0	178.8	167.6
75°	167.6	164.8	152.3	132.7	128.5
77.5°	127.1	125.7	113.2	103.4	102.0
80°	92.2	90.8	79.6	79.6	78.2
82.5°	58.7	58.7	55.9	57.3	58.7
85°	30.7	33.5	36.3	37.7	39.1
87.5°	9.8	15.4	18.2	19.6	18.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)