

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: P297742

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P297742
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-35L82765-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: 3190.0 lumens
Efficiency: N/A
Efficacy: 95.8 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

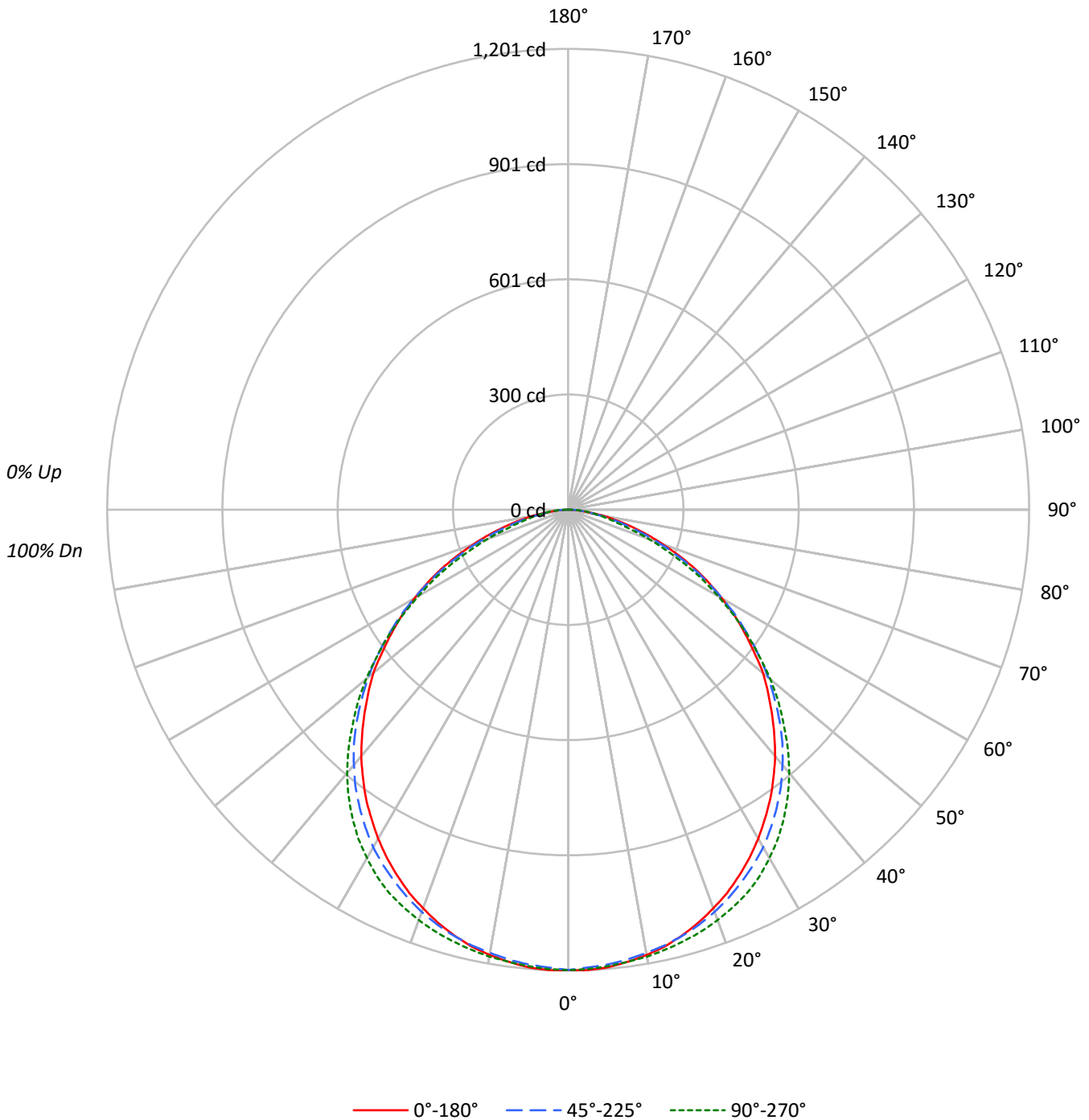
Input Watts (W): 33.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3228	3228	3228
5°	3233	3214	3225
10°	3220	3204	3231
15°	3199	3203	3243
20°	3166	3194	3260
25°	3126	3177	3274
30°	3076	3156	3258
35°	3018	3112	3219
40°	2947	3052	3147
45°	2855	2964	3024
50°	2777	2848	2879
55°	2637	2691	2677
60°	2495	2495	2426
65°	2316	2262	2134
70°	2054	1964	1773
75°	1780	1617	1364
80°	1460	1260	1238
85°	969	1145	1232



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.4	3.6
10°-20°	325.6	10.2
20°-30°	494.9	15.5
30°-40°	592.5	18.6
40°-50°	597.6	18.7
50°-60°	509.0	16.0
60°-70°	348.1	10.9
70°-80°	166.7	5.2
80°-90°	42.2	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°	933.9	29.3
0°-40°	1526.4	47.8
0°-60°	2633.0	82.5
0°-90°	3190.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3190.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1200	1200	1200	1200	1200	
5°	1197	1195	1190	1195	1194	114
15°	1148	1146	1150	1163	1164	324
25°	1053	1054	1070	1094	1103	485
35°	919	922	947	974	980	574
45°	750	756	779	795	795	579
55°	562	565	574	575	571	503
65°	364	357	355	342	335	359
75°	171	168	156	136	131	183
85°	31	34	37	38	40	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1199.7	1199.7	1199.7	1199.7	1199.7
2.5°	1201.1	1199.7	1194.0	1199.7	1198.3
5°	1196.8	1195.4	1189.7	1195.4	1194.0
7.5°	1188.3	1186.9	1182.6	1188.3	1188.3
10°	1178.3	1175.4	1172.6	1181.2	1182.6
12.5°	1165.5	1162.6	1162.6	1172.6	1174.0
15°	1148.3	1145.5	1149.8	1162.6	1164.0
17.5°	1128.4	1126.9	1134.1	1149.8	1152.6
20°	1105.5	1104.1	1115.5	1134.1	1138.4
22.5°	1081.3	1081.3	1094.1	1115.5	1121.2
25°	1052.8	1054.2	1069.9	1094.1	1102.7
27.5°	1022.8	1025.7	1044.2	1071.3	1078.4
30°	990.0	994.3	1015.7	1041.4	1048.5
32.5°	954.3	958.6	982.9	1010.0	1017.1
35°	918.7	921.5	947.2	974.3	980.0
37.5°	878.7	883.0	910.1	934.4	940.1
40°	838.8	843.1	868.7	891.6	895.9
42.5°	794.6	800.3	826.0	844.5	847.4
45°	750.3	756.1	778.9	794.6	794.6
47.5°	706.1	709.0	728.9	744.6	743.2
50°	663.3	661.9	680.4	687.6	687.6
52.5°	610.5	614.8	627.7	631.9	627.7
55°	562.0	564.9	573.5	574.9	570.6
57.5°	515.0	513.5	520.7	516.4	510.7
60°	463.6	463.6	463.6	459.3	450.8
62.5°	413.7	410.8	409.4	399.4	395.1
65°	363.8	356.6	355.2	342.4	335.2
67.5°	311.0	308.1	301.0	288.2	275.3
70°	261.1	258.2	249.6	233.9	225.4
72.5°	215.4	212.6	201.1	182.6	171.2
75°	171.2	168.3	155.5	135.5	131.2
77.5°	129.8	128.4	115.5	105.6	104.1
80°	94.2	92.7	81.3	81.3	79.9
82.5°	59.9	59.9	57.1	58.5	59.9
85°	31.4	34.2	37.1	38.5	39.9
87.5°	10.0	15.7	18.5	20.0	18.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)