

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: P257455

Luminaire Tested: **D3X-WG-40L930-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257455
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-40L930-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (112) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3316.4 lumens
Efficiency: N/A
Efficacy: 79.2 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

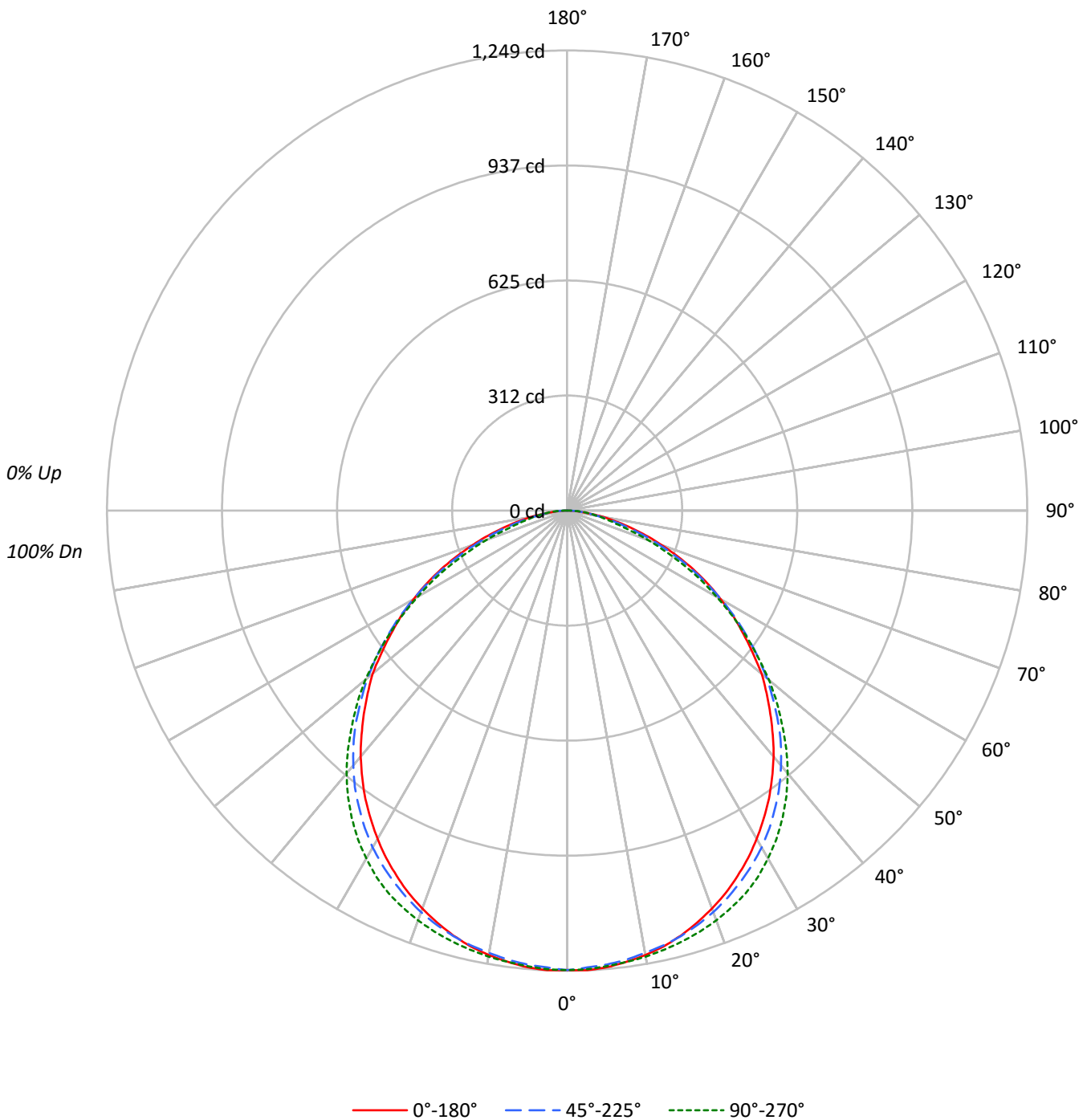
Input Watts (W): 41.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3356	3356	3356
5°	3361	3341	3353
10°	3347	3331	3359
15°	3326	3330	3372
20°	3292	3321	3389
25°	3250	3303	3404
30°	3198	3281	3387
35°	3138	3235	3347
40°	3063	3173	3272
45°	2969	3081	3144
50°	2887	2961	2992
55°	2741	2797	2783
60°	2594	2594	2522
65°	2408	2351	2219
70°	2135	2042	1843
75°	1851	1681	1418
80°	1517	1309	1288
85°	1007	1192	1281



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.9	3.6
10°-20°	338.5	10.2
20°-30°	514.5	15.5
30°-40°	616.0	18.6
40°-50°	621.3	18.7
50°-60°	529.2	16.0
60°-70°	361.9	10.9
70°-80°	173.3	5.2
80°-90°	43.9	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°	970.9	29.3
0°-40°	1586.9	47.8
0°-60°	2737.4	82.5
0°-90°	3316.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3316.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1247	1247	1247	1247	1247	
5°	1244	1243	1237	1243	1241	118
15°	1194	1191	1195	1209	1210	337
25°	1094	1096	1112	1138	1146	504
35°	955	958	985	1013	1019	597
45°	780	786	810	826	826	602
55°	584	587	596	598	593	523
65°	378	371	369	356	348	373
75°	178	175	162	141	136	190
85°	33	36	39	40	42	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1247.2	1247.2	1247.2	1247.2	1247.2
2.5°	1248.7	1247.2	1241.3	1247.2	1245.8
5°	1244.3	1242.8	1236.9	1242.8	1241.3
7.5°	1235.4	1233.9	1229.4	1235.4	1235.4
10°	1225.0	1222.0	1219.1	1228.0	1229.4
12.5°	1211.7	1208.7	1208.7	1219.1	1220.5
15°	1193.9	1190.9	1195.3	1208.7	1210.2
17.5°	1173.1	1171.6	1179.0	1195.3	1198.3
20°	1149.4	1147.9	1159.7	1179.0	1183.5
22.5°	1124.2	1124.2	1137.5	1159.7	1165.7
25°	1094.5	1096.0	1112.3	1137.5	1146.4
27.5°	1063.3	1066.3	1085.6	1113.8	1121.2
30°	1029.2	1033.7	1055.9	1082.6	1090.0
32.5°	992.2	996.6	1021.8	1050.0	1057.4
35°	955.1	958.0	984.7	1012.9	1018.9
37.5°	913.6	918.0	946.2	971.4	977.3
40°	872.0	876.5	903.2	926.9	931.4
42.5°	826.1	832.0	858.7	878.0	880.9
45°	780.1	786.0	809.7	826.1	826.1
47.5°	734.1	737.1	757.8	774.2	772.7
50°	689.6	688.1	707.4	714.8	714.8
52.5°	634.7	639.2	652.5	657.0	652.5
55°	584.3	587.3	596.2	597.7	593.2
57.5°	535.4	533.9	541.3	536.9	530.9
60°	482.0	482.0	482.0	477.5	468.6
62.5°	430.1	427.1	425.6	415.3	410.8
65°	378.2	370.8	369.3	355.9	348.5
67.5°	323.3	320.3	312.9	299.6	286.2
70°	271.4	268.4	259.5	243.2	234.3
72.5°	223.9	221.0	209.1	189.8	178.0
75°	178.0	175.0	161.7	140.9	136.4
77.5°	135.0	133.5	120.1	109.7	108.3
80°	97.9	96.4	84.5	84.5	83.1
82.5°	62.3	62.3	59.3	60.8	62.3
85°	32.6	35.6	38.6	40.0	41.5
87.5°	10.4	16.3	19.3	20.8	19.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)