

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: P257543

Luminaire Tested: **D3X-WO-40L930-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257543
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-40L930-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE
Light Source: (126) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3370.7 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

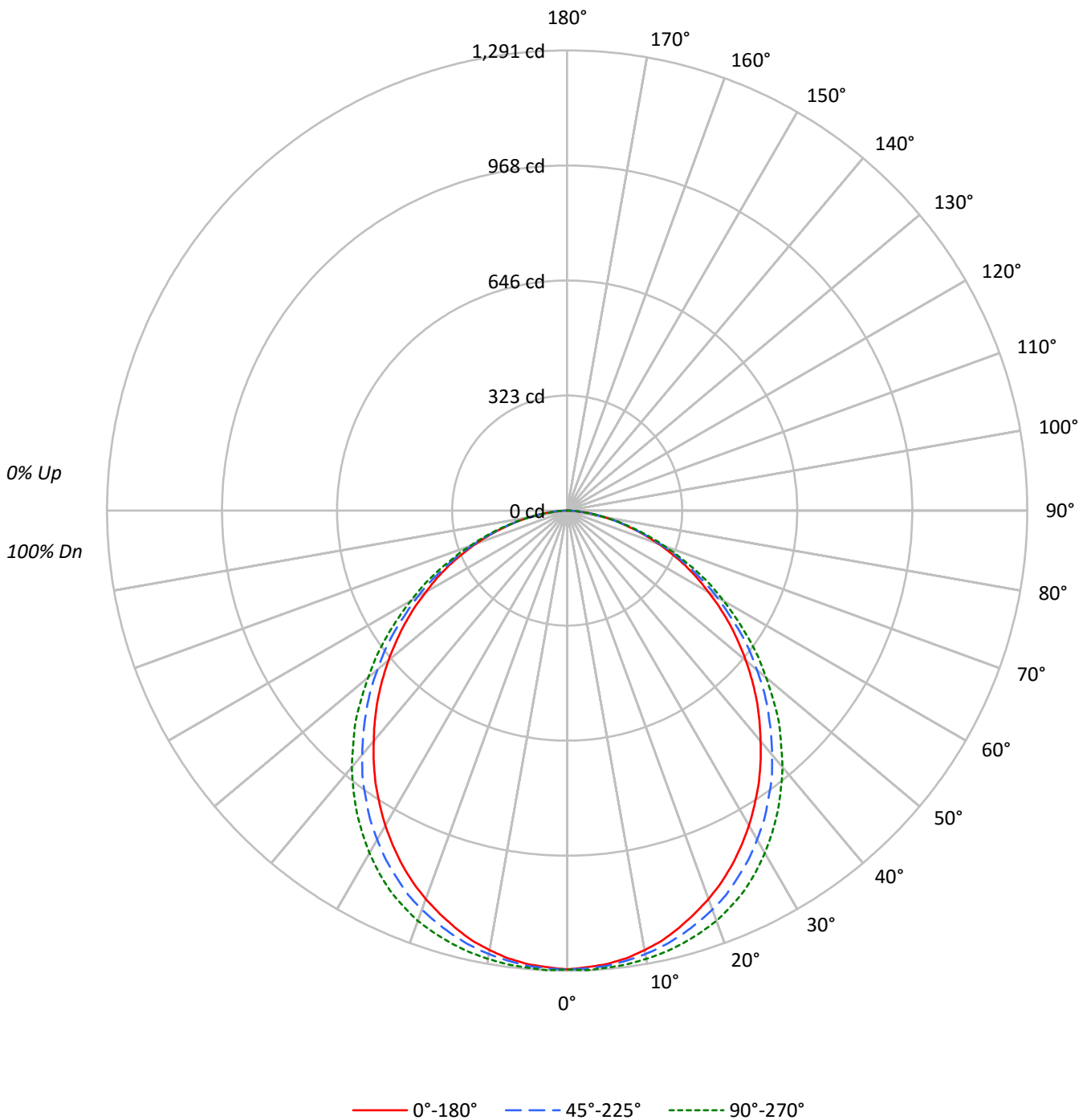
Input Watts (W): 35.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	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	31	43	35	30	41	35	30	40	34	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°	3464	3464	3464
5°	3450	3464	3477
10°	3421	3453	3490
15°	3376	3436	3502
20°	3321	3412	3508
25°	3254	3369	3493
30°	3171	3311	3447
35°	3076	3236	3385
40°	2966	3142	3301
45°	2861	3034	3200
50°	2740	2909	3049
55°	2614	2771	2905
60°	2466	2610	2728
65°	2330	2415	2532
70°	2139	2205	2284
75°	1902	1955	2007
80°	1638	1613	1613
85°	1244	1139	1037



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.8	3.6
10°-20°	348.0	10.3
20°-30°	522.6	15.5
30°-40°	615.0	18.2
40°-50°	613.4	18.2
50°-60°	526.4	15.6
60°-70°	377.0	11.2
70°-80°	199.7	5.9
80°-90°	46.7	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
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0°-30°	992.4	29.4
0°-40°	1607.4	47.7
0°-60°	2747.3	81.5
0°-90°	3370.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3370.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1287	1287	1287	1287	1287	
5°	1277	1277	1282	1286	1287	121
15°	1212	1217	1234	1250	1257	342
25°	1096	1106	1134	1163	1176	504
35°	936	948	985	1019	1030	585
45°	752	764	797	826	841	579
55°	557	566	591	611	619	498
65°	366	368	379	394	398	361
75°	183	183	188	191	193	196
85°	40	39	37	34	34	49
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1287.2	1287.2	1287.2	1287.2	1287.2
2.5°	1282.2	1282.2	1285.5	1288.9	1290.6
5°	1277.1	1277.1	1282.2	1285.5	1287.2
7.5°	1267.1	1267.1	1273.8	1280.5	1283.9
10°	1252.0	1255.3	1263.7	1273.8	1277.1
12.5°	1235.2	1238.5	1250.3	1263.7	1268.8
15°	1211.7	1216.7	1233.5	1250.3	1257.0
17.5°	1186.5	1193.2	1213.4	1233.5	1241.9
20°	1159.7	1166.4	1191.6	1215.1	1225.1
22.5°	1129.5	1137.9	1166.4	1191.6	1201.6
25°	1095.9	1106.0	1134.5	1163.0	1176.5
27.5°	1059.0	1070.7	1102.6	1132.8	1144.6
30°	1020.4	1033.8	1065.7	1097.6	1109.3
32.5°	978.4	990.2	1028.8	1059.0	1070.7
35°	936.5	948.2	985.1	1018.7	1030.4
37.5°	891.2	906.3	943.2	973.4	985.1
40°	844.2	859.3	894.5	929.8	939.8
42.5°	798.8	812.3	845.8	877.7	887.8
45°	751.9	763.6	797.2	825.7	840.8
47.5°	703.2	714.9	748.5	775.4	783.7
50°	654.5	666.3	694.8	718.3	728.4
52.5°	605.8	617.6	644.4	666.3	676.3
55°	557.2	565.6	590.7	610.9	619.3
57.5°	508.5	515.2	535.4	557.2	562.2
60°	458.2	466.6	485.0	500.1	506.8
62.5°	412.8	416.2	433.0	446.4	454.8
65°	365.9	367.5	379.3	394.4	397.7
67.5°	317.2	318.9	330.6	339.0	342.4
70°	271.9	271.9	280.3	287.0	290.3
72.5°	228.2	226.6	231.6	238.3	241.7
75°	182.9	182.9	188.0	191.3	193.0
77.5°	144.3	141.0	144.3	147.7	147.7
80°	105.7	104.1	104.1	105.7	104.1
82.5°	72.2	70.5	72.2	68.8	67.1
85°	40.3	38.6	36.9	33.6	33.6
87.5°	13.4	11.7	11.7	13.4	13.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)