

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: P257420

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257420
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)
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-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (126) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3162.5 lumens
Efficiency: N/A
Efficacy: 88.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

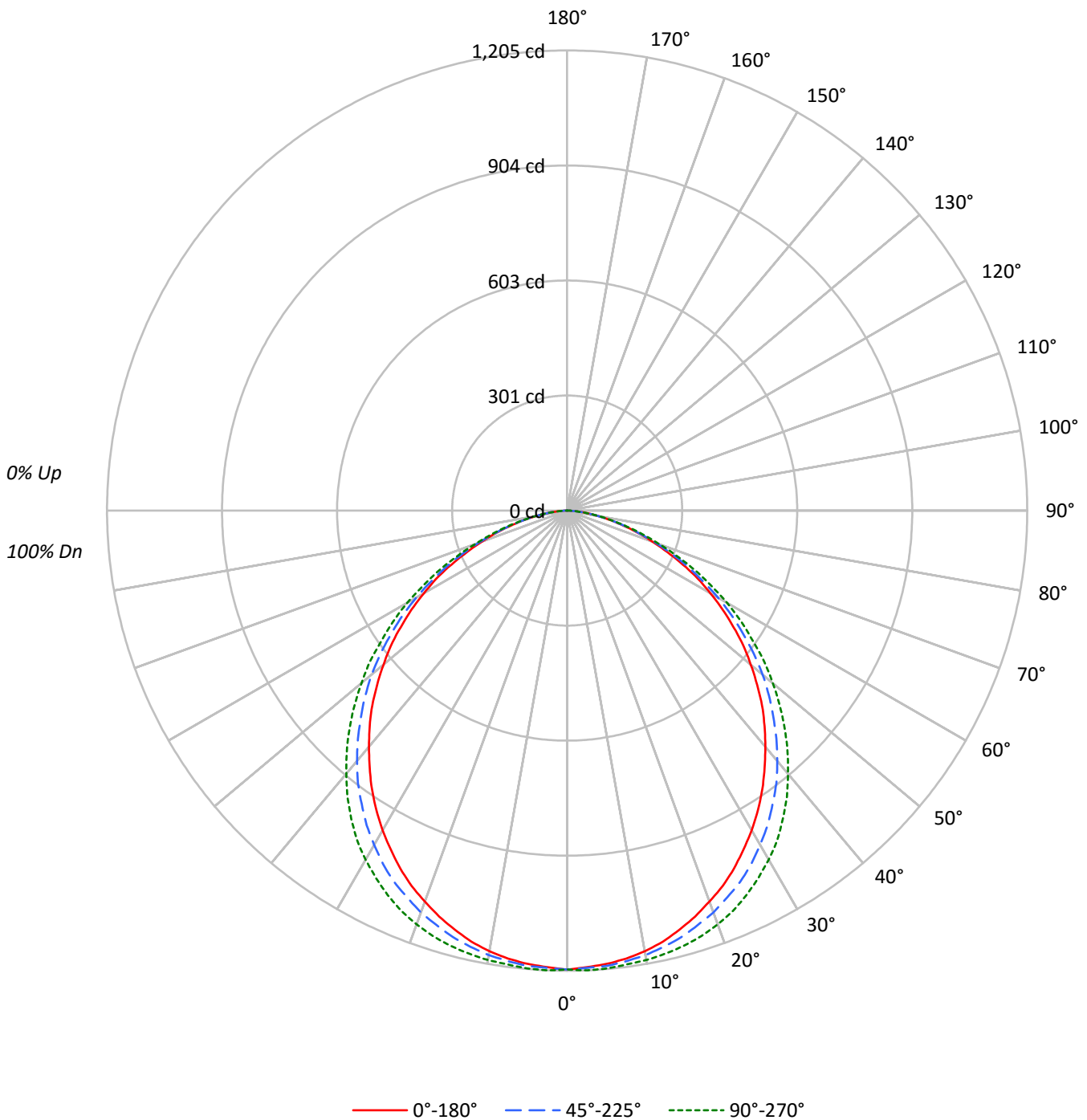
Input Watts (W): 35.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	103	99	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	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	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	28
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3234	3234	3234
5°	3219	3233	3251
10°	3201	3229	3266
15°	3166	3222	3287
20°	3120	3206	3302
25°	3070	3185	3299
30°	3004	3140	3281
35°	2928	3082	3237
40°	2836	3007	3160
45°	2747	2906	3066
50°	2628	2797	2944
55°	2496	2638	2780
60°	2331	2457	2602
65°	2127	2223	2351
70°	1862	1941	2020
75°	1588	1623	1693
80°	1274	1300	1327
85°	932	880	831



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.8	3.6
10°-20°	326.5	10.3
20°-30°	493.6	15.6
30°-40°	586.3	18.5
40°-50°	588.6	18.6
50°-60°	502.7	15.9
60°-70°	346.4	11.0
70°-80°	167.9	5.3
80°-90°	36.7	1.2
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°	933.8	29.5
0°-40°	1520.1	48.1
0°-60°	2611.4	82.6
0°-90°	3162.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3162.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1202	1202	1202	1202	1202	
5°	1192	1192	1197	1200	1204	113
15°	1136	1141	1156	1172	1180	320
25°	1034	1042	1073	1101	1111	476
35°	891	905	938	974	985	557
45°	722	732	764	796	806	556
55°	532	540	562	586	592	476
65°	334	334	349	364	369	331
75°	153	149	156	160	163	164
85°	30	30	28	27	27	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1201.8	1201.8	1201.8	1201.8	1201.8
2.5°	1196.8	1196.8	1198.5	1203.5	1205.2
5°	1191.7	1191.7	1196.8	1200.1	1203.5
7.5°	1183.4	1185.0	1190.1	1196.8	1198.5
10°	1171.6	1173.3	1181.7	1190.1	1195.1
12.5°	1156.5	1159.9	1169.9	1183.4	1188.4
15°	1136.4	1141.4	1156.5	1171.6	1180.0
17.5°	1114.5	1121.3	1138.0	1159.9	1168.3
20°	1089.4	1097.8	1119.6	1143.1	1153.1
22.5°	1064.2	1070.9	1096.1	1122.9	1134.7
25°	1034.0	1042.4	1072.6	1101.1	1111.2
27.5°	1000.4	1012.1	1044.0	1074.3	1084.3
30°	966.8	976.9	1010.5	1044.0	1055.8
32.5°	929.9	940.0	976.9	1010.5	1023.9
35°	891.3	904.7	938.3	973.5	985.3
37.5°	849.3	864.4	899.7	929.9	945.0
40°	807.4	820.8	856.0	887.9	899.7
42.5°	765.4	777.2	810.7	844.3	854.4
45°	721.8	731.8	763.7	795.6	805.7
47.5°	674.8	686.5	716.7	743.6	755.3
50°	627.8	639.5	668.1	693.2	703.3
52.5°	582.4	589.2	616.0	639.5	651.3
55°	532.1	540.5	562.3	585.8	592.5
57.5°	483.4	488.4	510.3	530.4	540.5
60°	433.1	436.4	456.6	471.7	483.4
62.5°	386.1	386.1	401.2	418.0	424.7
65°	334.0	334.0	349.1	364.2	369.3
67.5°	283.7	287.0	297.1	308.8	312.2
70°	236.7	236.7	246.7	255.1	256.8
72.5°	194.7	193.0	198.1	204.8	208.1
75°	152.7	149.4	156.1	159.5	162.8
77.5°	115.8	114.1	117.5	120.9	120.9
80°	82.2	80.6	83.9	83.9	85.6
82.5°	53.7	55.4	55.4	53.7	52.0
85°	30.2	30.2	28.5	26.9	26.9
87.5°	10.1	10.1	10.1	11.7	11.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)