

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: P257426

Luminaire Tested: **D3X-WG-44L930-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257426
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-44L930-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: 3452.5 lumens
Efficiency: N/A
Efficacy: 87.2 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

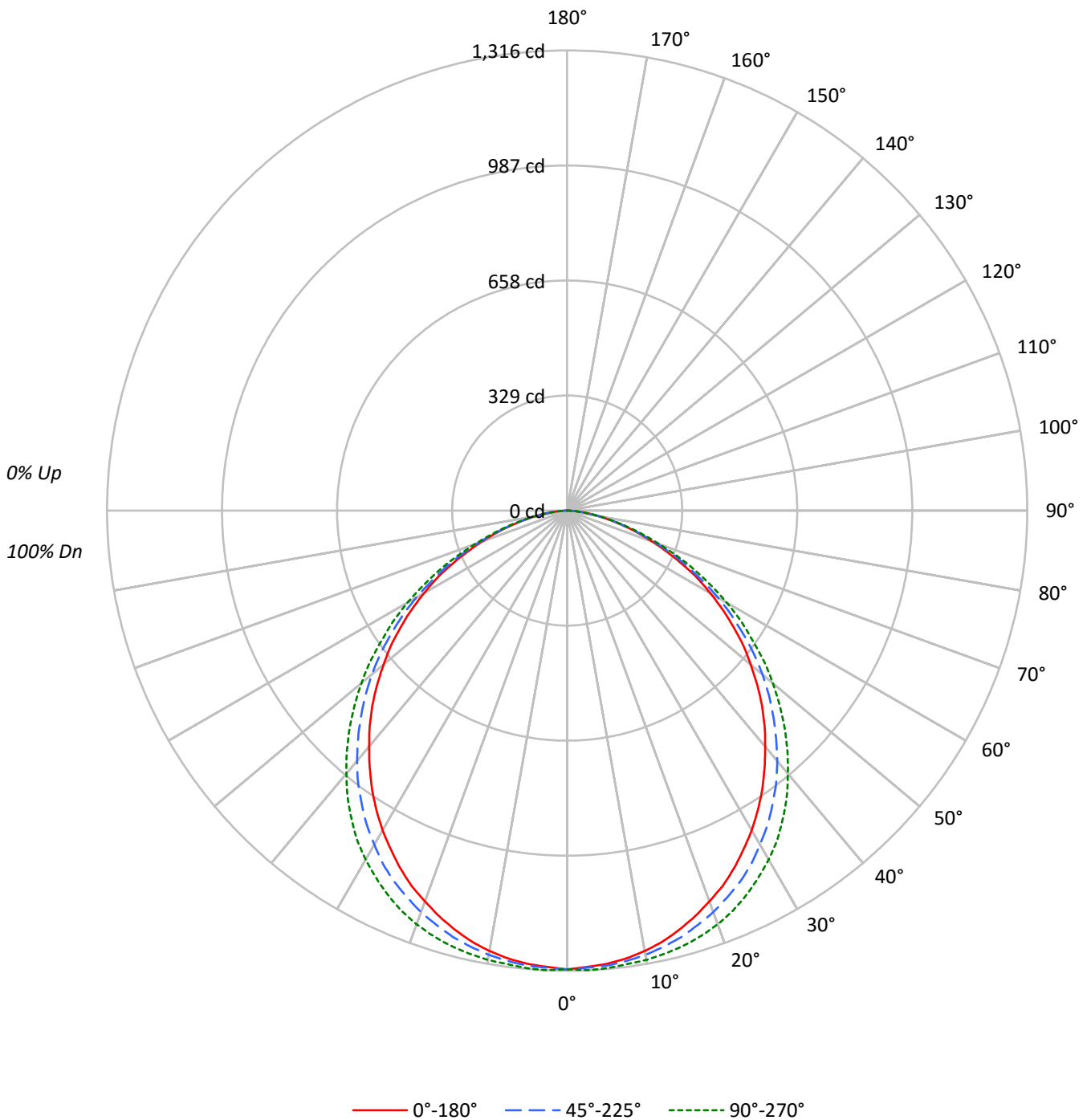
Input Watts (W): 39.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3531	3531	3531
5°	3514	3529	3549
10°	3495	3525	3565
15°	3456	3517	3589
20°	3406	3500	3605
25°	3352	3477	3602
30°	3280	3428	3581
35°	3196	3365	3533
40°	3096	3283	3450
45°	2998	3173	3347
50°	2869	3053	3214
55°	2725	2880	3035
60°	2545	2682	2840
65°	2322	2427	2567
70°	2033	2120	2206
75°	1734	1772	1848
80°	1392	1420	1449
85°	1019	963	905



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.2	3.6
10°-20°	356.4	10.3
20°-30°	538.8	15.6
30°-40°	640.0	18.5
40°-50°	642.6	18.6
50°-60°	548.8	15.9
60°-70°	378.1	11.0
70°-80°	183.4	5.3
80°-90°	40.1	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°	1019.5	29.5
0°-40°	1659.5	48.1
0°-60°	2850.9	82.6
0°-90°	3452.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3452.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1312	1312	1312	1312	1312	
5°	1301	1301	1306	1310	1314	124
15°	1241	1246	1262	1279	1288	350
25°	1129	1138	1171	1202	1213	519
35°	973	988	1024	1063	1076	608
45°	788	799	834	869	880	607
55°	581	590	614	640	647	519
65°	365	365	381	398	403	361
75°	167	163	170	174	178	179
85°	33	33	31	29	29	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1312.0	1312.0	1312.0	1312.0	1312.0
2.5°	1306.5	1306.5	1308.4	1313.9	1315.7
5°	1301.0	1301.0	1306.5	1310.2	1313.9
7.5°	1291.9	1293.7	1299.2	1306.5	1308.4
10°	1279.0	1280.9	1290.0	1299.2	1304.7
12.5°	1262.5	1266.2	1277.2	1291.9	1297.4
15°	1240.6	1246.1	1262.5	1279.0	1288.2
17.5°	1216.7	1224.1	1242.4	1266.2	1275.4
20°	1189.3	1198.4	1222.2	1247.9	1258.9
22.5°	1161.8	1169.1	1196.6	1225.9	1238.7
25°	1128.8	1137.9	1170.9	1202.1	1213.1
27.5°	1092.1	1105.0	1139.8	1172.8	1183.8
30°	1055.5	1066.5	1103.1	1139.8	1152.6
32.5°	1015.2	1026.2	1066.5	1103.1	1117.8
35°	973.0	987.7	1024.3	1062.8	1075.6
37.5°	927.2	943.7	982.2	1015.2	1031.7
40°	881.4	896.1	934.5	969.4	982.2
42.5°	835.6	848.4	885.1	921.7	932.7
45°	787.9	798.9	833.8	868.6	879.6
47.5°	736.6	749.5	782.5	811.8	824.6
50°	685.3	698.2	729.3	756.8	767.8
52.5°	635.9	643.2	672.5	698.2	711.0
55°	580.9	590.0	613.9	639.5	646.9
57.5°	527.7	533.2	557.1	579.1	590.0
60°	472.8	476.4	498.4	514.9	527.7
62.5°	421.5	421.5	438.0	456.3	463.6
65°	364.7	364.7	381.1	397.6	403.1
67.5°	309.7	313.3	324.3	337.2	340.8
70°	258.4	258.4	269.4	278.5	280.4
72.5°	212.6	210.7	216.2	223.6	227.2
75°	166.8	163.1	170.4	174.1	177.7
77.5°	126.4	124.6	128.3	131.9	131.9
80°	89.8	88.0	91.6	91.6	93.5
82.5°	58.6	60.5	60.5	58.6	56.8
85°	33.0	33.0	31.2	29.3	29.3
87.5°	11.0	11.0	11.0	12.8	12.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)