

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: P257303

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257303
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-44L930-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH ROUND PERF
Light Source: (126) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3404.8 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

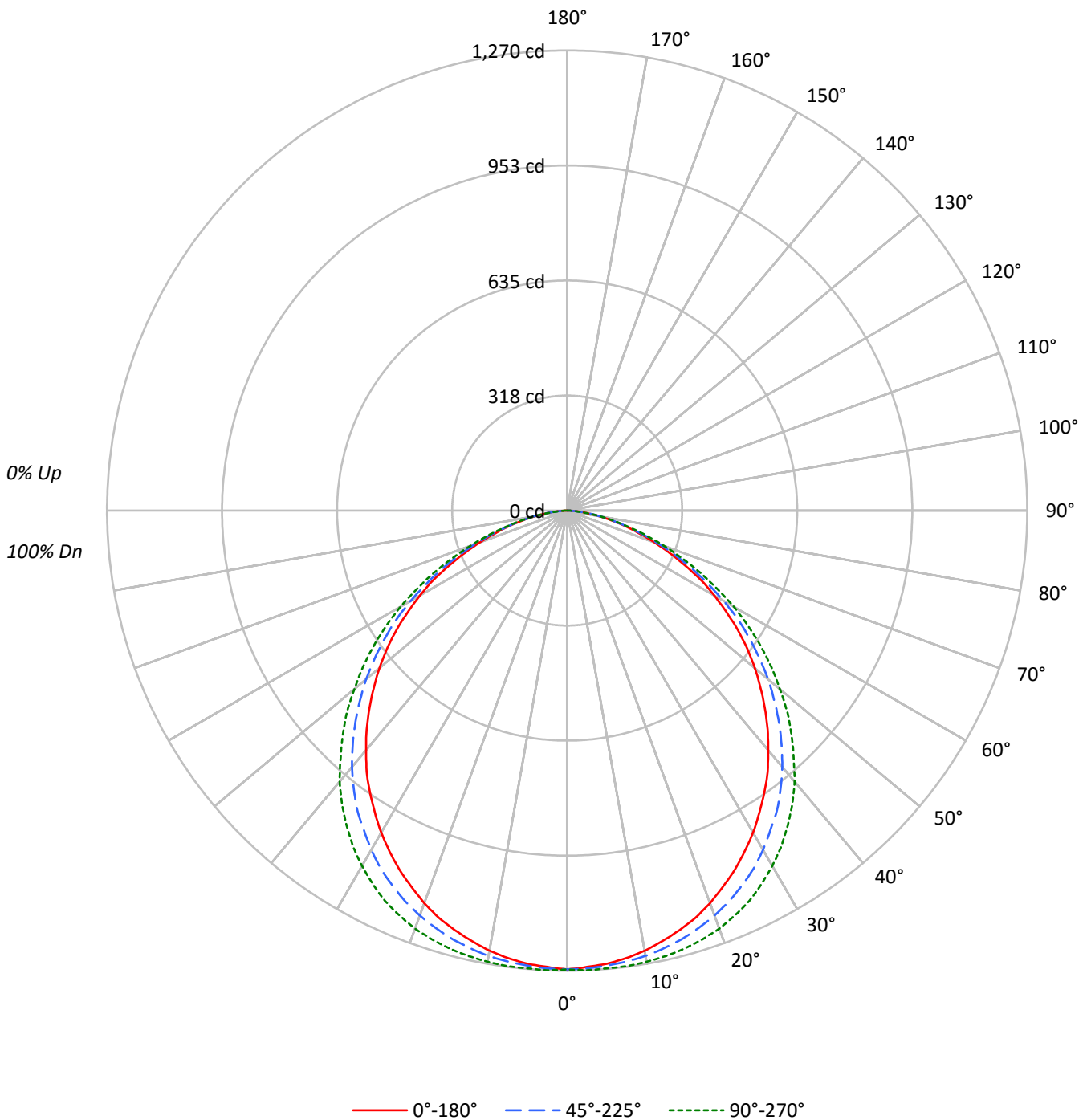
Input Watts (W): 39.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74	72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	57	68	61	56	66	60	55	64	59	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	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3408	3408	3408
5°	3391	3406	3426
10°	3370	3410	3456
15°	3339	3411	3487
20°	3301	3406	3516
25°	3249	3390	3532
30°	3189	3360	3519
35°	3119	3317	3486
40°	3032	3245	3431
45°	2936	3146	3334
50°	2831	3031	3207
55°	2700	2881	3061
60°	2525	2683	2861
65°	2287	2427	2579
70°	2019	2120	2235
75°	1734	1772	1849
80°	1392	1420	1449
85°	1019	905	905



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.0	3.5
10°-20°	345.7	10.2
20°-30°	525.8	15.4
30°-40°	629.1	18.5
40°-50°	636.0	18.7
50°-60°	547.3	16.1
60°-70°	377.9	11.1
70°-80°	183.2	5.4
80°-90°	39.7	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°	991.5	29.1
0°-40°	1620.7	47.6
0°-60°	2804.0	82.4
0°-90°	3404.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3404.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1266	1266	1266	1266	1266	
5°	1255	1257	1261	1266	1268	119
15°	1199	1206	1224	1243	1252	338
25°	1094	1107	1142	1177	1189	504
35°	949	966	1010	1046	1061	593
45°	772	786	827	861	876	595
55°	576	585	614	641	652	513
65°	359	365	381	398	405	357
75°	167	163	170	176	178	177
85°	33	33	29	29	29	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1266.4	1266.4	1266.4	1266.4	1266.4
2.5°	1260.9	1260.9	1264.6	1268.2	1270.1
5°	1255.4	1257.2	1260.9	1266.4	1268.2
7.5°	1246.2	1248.1	1255.4	1264.6	1268.2
10°	1233.4	1237.1	1248.1	1259.1	1264.6
12.5°	1216.9	1224.2	1237.1	1251.7	1259.1
15°	1198.6	1205.9	1224.2	1242.6	1251.7
17.5°	1178.4	1185.8	1207.8	1231.6	1240.7
20°	1152.8	1163.8	1189.4	1216.9	1227.9
22.5°	1123.5	1138.1	1167.4	1196.8	1209.6
25°	1094.1	1107.0	1141.8	1176.6	1189.4
27.5°	1061.1	1075.8	1114.3	1149.1	1161.9
30°	1026.3	1041.0	1081.3	1119.8	1132.6
32.5°	987.8	1006.2	1044.6	1085.0	1099.6
35°	949.3	965.8	1009.8	1046.5	1061.1
37.5°	909.0	923.7	967.7	1006.2	1020.8
40°	863.2	879.7	923.7	962.2	976.8
42.5°	819.2	835.7	876.0	912.7	925.5
45°	771.6	786.2	826.6	861.4	876.0
47.5°	723.9	740.4	775.2	810.1	824.7
50°	676.3	689.1	723.9	756.9	766.1
52.5°	626.8	637.8	668.9	698.3	711.1
55°	575.5	584.6	614.0	641.4	652.4
57.5°	520.5	531.5	559.0	579.1	592.0
60°	469.2	474.7	498.5	518.7	531.5
62.5°	417.9	419.7	438.0	458.2	465.5
65°	359.2	364.7	381.2	397.7	405.0
67.5°	306.1	311.6	324.4	337.2	342.7
70°	256.6	256.6	269.4	278.6	284.1
72.5°	207.1	208.9	218.1	223.6	229.1
75°	166.8	163.1	170.4	175.9	177.8
77.5°	124.6	122.8	128.3	130.1	133.8
80°	89.8	89.8	91.6	93.5	93.5
82.5°	58.6	58.6	60.5	56.8	55.0
85°	33.0	33.0	29.3	29.3	29.3
87.5°	11.0	11.0	11.0	12.8	11.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)