

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: P257578

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257578
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-1)
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-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE
Light Source: (112) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3498.8 lumens
Efficiency: N/A
Efficacy: 83.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

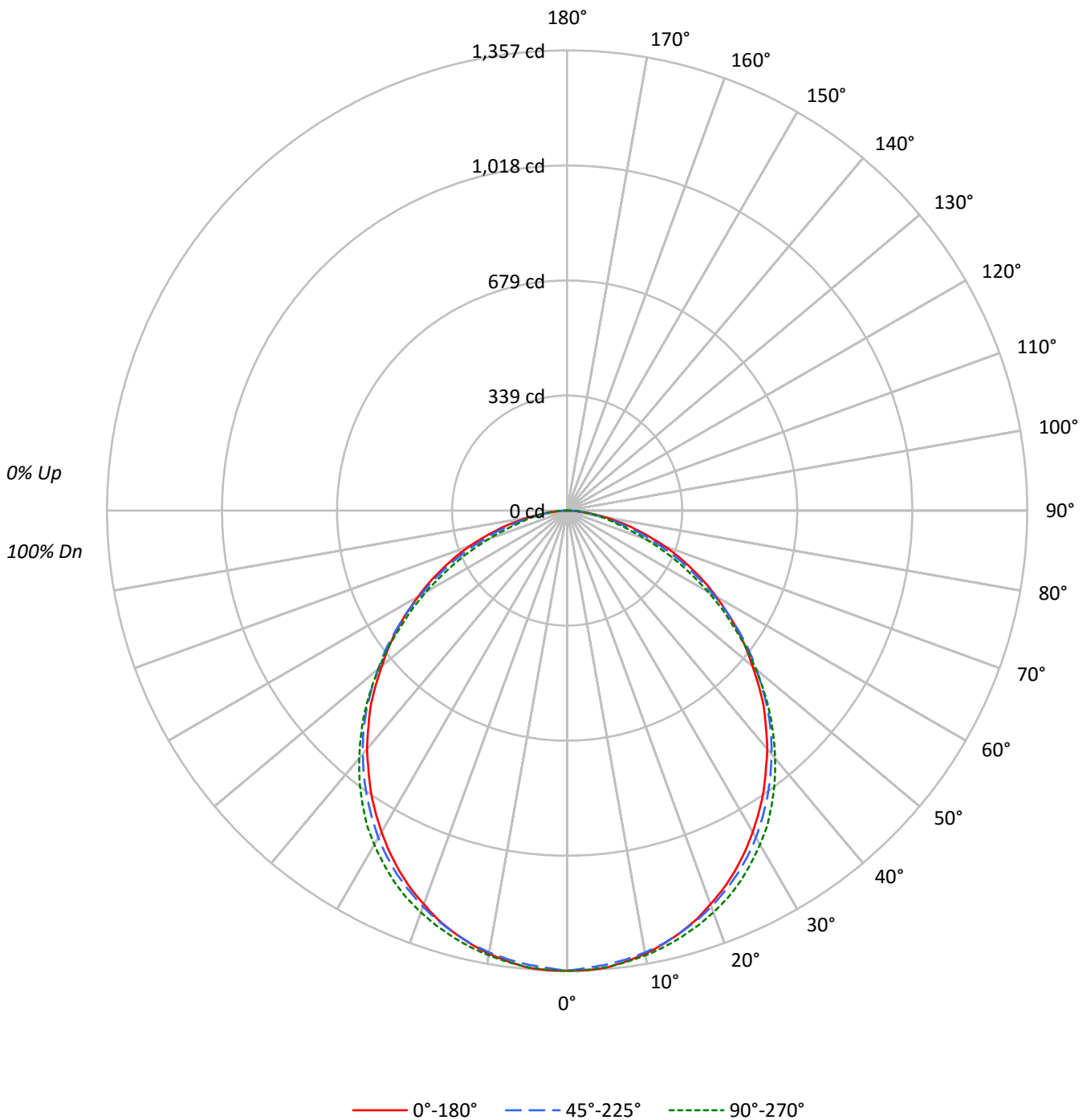
Input Watts (W): 41.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	95	98	95	92	94	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	86	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	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	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	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	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3652	3652	3652
5°	3654	3630	3650
10°	3627	3615	3639
15°	3591	3591	3628
20°	3538	3559	3610
25°	3479	3518	3585
30°	3401	3461	3535
35°	3318	3381	3459
40°	3225	3293	3350
45°	3121	3189	3217
50°	2987	3049	3036
55°	2874	2895	2818
60°	2730	2690	2586
65°	2578	2474	2304
70°	2392	2194	1949
75°	2128	1881	1603
80°	1770	1540	1494
85°	1281	1374	1374



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.1	3.7
10°-20°	364.8	10.4
20°-30°	546.8	15.6
30°-40°	644.2	18.4
40°-50°	642.5	18.4
50°-60°	546.5	15.6
60°-70°	381.4	10.9
70°-80°	193.9	5.5
80°-90°	50.6	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
0°-30°	1039.7	29.7
0°-40°	1683.9	48.1
0°-60°	2872.9	82.1
0°-90°	3498.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3498.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1357	1357	1357	1357	1357	
5°	1353	1350	1344	1351	1351	128
15°	1289	1289	1289	1301	1302	363
25°	1172	1173	1185	1203	1207	539
35°	1010	1012	1029	1050	1053	631
45°	820	823	838	844	845	631
55°	612	612	617	608	601	547
65°	405	399	389	368	362	402
75°	205	197	181	159	154	217
85°	42	43	44	44	44	51
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1357.1	1357.1	1357.1	1357.1	1357.1
2.5°	1357.1	1355.6	1349.7	1355.6	1355.6
5°	1352.6	1349.7	1343.7	1351.2	1351.2
7.5°	1340.8	1339.3	1334.8	1342.3	1342.3
10°	1327.4	1325.9	1323.0	1331.9	1331.9
12.5°	1309.6	1309.6	1308.1	1317.0	1318.5
15°	1288.9	1288.9	1288.9	1300.7	1302.2
17.5°	1265.1	1263.6	1268.1	1281.4	1282.9
20°	1235.5	1236.9	1242.9	1257.7	1260.7
22.5°	1205.8	1207.3	1214.7	1232.5	1236.9
25°	1171.7	1173.2	1185.0	1202.8	1207.3
27.5°	1134.6	1137.6	1150.9	1170.2	1173.2
30°	1094.6	1097.5	1113.8	1133.1	1137.6
32.5°	1053.0	1057.5	1072.3	1093.1	1099.0
35°	1010.0	1011.5	1029.3	1050.1	1053.0
37.5°	962.6	967.0	984.8	1002.6	1005.6
40°	918.1	921.0	937.4	952.2	953.7
42.5°	867.6	872.1	889.9	900.3	900.3
45°	820.2	823.1	838.0	843.9	845.4
47.5°	766.8	769.8	783.1	786.1	786.1
50°	713.4	720.8	728.2	728.2	725.3
52.5°	664.5	665.9	674.8	668.9	665.9
55°	612.5	612.5	617.0	608.1	600.7
57.5°	560.6	560.6	560.6	548.8	542.8
60°	507.2	505.8	499.8	485.0	480.5
62.5°	456.8	452.4	443.5	428.6	419.7
65°	404.9	399.0	388.6	367.8	361.9
67.5°	356.0	345.6	333.7	314.4	304.0
70°	304.0	295.1	278.8	256.6	247.7
72.5°	253.6	244.7	231.4	209.1	195.8
75°	204.7	197.3	180.9	158.7	154.2
77.5°	157.2	152.8	136.4	126.1	124.6
80°	114.2	112.7	99.4	96.4	96.4
82.5°	75.6	74.2	69.7	69.7	68.2
85°	41.5	43.0	44.5	44.5	44.5
87.5°	14.8	17.8	20.8	20.8	20.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)