

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: P257427

Luminaire Tested: **D3X-WG-44L935-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257427
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-44L935-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (126) 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3582.4 lumens
Efficiency: N/A
Efficacy: 90.5 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

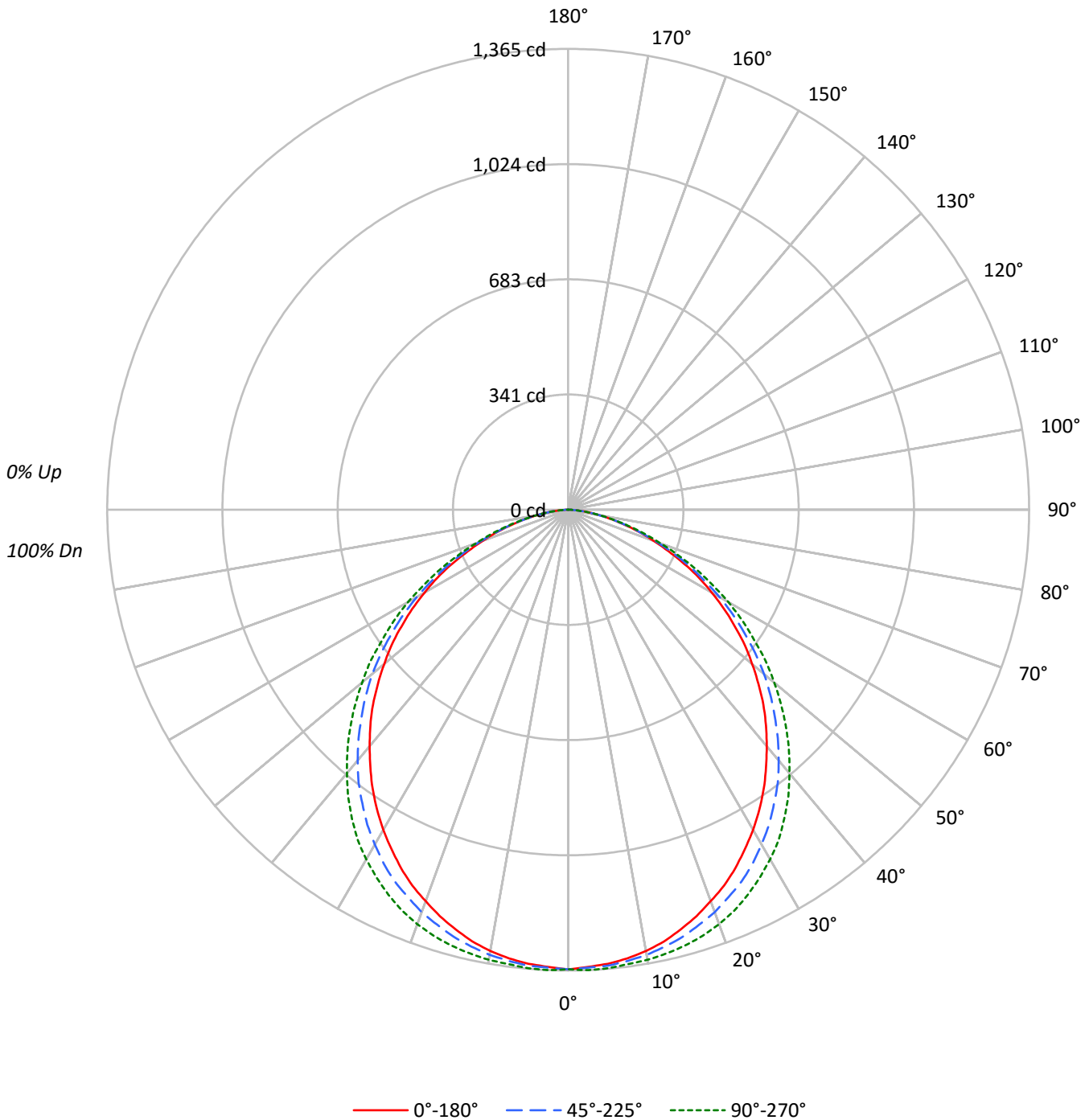
Input Watts (W): 39.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	3663	3663	3663
5°	3647	3662	3683
10°	3627	3658	3699
15°	3586	3650	3724
20°	3534	3632	3741
25°	3478	3608	3737
30°	3403	3557	3716
35°	3317	3492	3666
40°	3213	3406	3580
45°	3111	3292	3473
50°	2977	3168	3335
55°	2828	2989	3149
60°	2640	2784	2947
65°	2409	2518	2663
70°	2109	2199	2289
75°	1799	1838	1917
80°	1444	1474	1503
85°	1056	997	939



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.9	3.6
10°-20°	369.8	10.3
20°-30°	559.1	15.6
30°-40°	664.1	18.5
40°-50°	666.7	18.6
50°-60°	569.5	15.9
60°-70°	392.4	11.0
70°-80°	190.3	5.3
80°-90°	41.6	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°	1057.8	29.5
0°-40°	1722.0	48.1
0°-60°	2958.2	82.6
0°-90°	3582.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3582.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1361	1361	1361	1361	1361	
5°	1350	1350	1356	1360	1363	128
15°	1287	1293	1310	1327	1337	363
25°	1171	1181	1215	1247	1259	539
35°	1010	1025	1063	1103	1116	631
45°	818	829	865	901	913	629
55°	603	612	637	664	671	539
65°	378	378	396	413	418	375
75°	173	169	177	181	184	186
85°	34	34	32	30	30	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1361.4	1361.4	1361.4	1361.4	1361.4
2.5°	1355.7	1355.7	1357.6	1363.3	1365.2
5°	1350.0	1350.0	1355.7	1359.5	1363.3
7.5°	1340.5	1342.4	1348.1	1355.7	1357.6
10°	1327.2	1329.1	1338.6	1348.1	1353.8
12.5°	1310.1	1313.9	1325.3	1340.5	1346.2
15°	1287.3	1293.0	1310.1	1327.2	1336.7
17.5°	1262.5	1270.1	1289.2	1313.9	1323.4
20°	1234.0	1243.5	1268.2	1294.9	1306.3
22.5°	1205.5	1213.1	1241.6	1272.0	1285.4
25°	1171.3	1180.8	1215.0	1247.3	1258.7
27.5°	1133.2	1146.6	1182.7	1216.9	1228.3
30°	1095.2	1106.6	1144.7	1182.7	1196.0
32.5°	1053.4	1064.8	1106.6	1144.7	1159.9
35°	1009.7	1024.9	1062.9	1102.8	1116.1
37.5°	962.1	979.2	1019.2	1053.4	1070.5
40°	914.6	929.8	969.7	1005.9	1019.2
42.5°	867.0	880.4	918.4	956.4	967.8
45°	817.6	829.0	865.1	901.3	912.7
47.5°	764.4	777.7	811.9	842.3	855.6
50°	711.1	724.4	756.8	785.3	796.7
52.5°	659.8	667.4	697.8	724.4	737.8
55°	602.7	612.3	637.0	663.6	671.2
57.5°	547.6	553.3	578.0	600.8	612.3
60°	490.6	494.4	517.2	534.3	547.6
62.5°	437.3	437.3	454.4	473.5	481.1
65°	378.4	378.4	395.5	412.6	418.3
67.5°	321.3	325.1	336.6	349.9	353.7
70°	268.1	268.1	279.5	289.0	290.9
72.5°	220.6	218.7	224.4	232.0	235.8
75°	173.0	169.2	176.8	180.6	184.4
77.5°	131.2	129.3	133.1	136.9	136.9
80°	93.2	91.3	95.1	95.1	97.0
82.5°	60.8	62.7	62.7	60.8	58.9
85°	34.2	34.2	32.3	30.4	30.4
87.5°	11.4	11.4	11.4	13.3	13.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)