

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: P258364

Luminaire Tested: **D3X-WD-36L830-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258364
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-36L830-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH ROUND PERF
Light Source: (252) 3000 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3200.8 lumens
Efficiency: N/A
Efficacy: 120.8 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

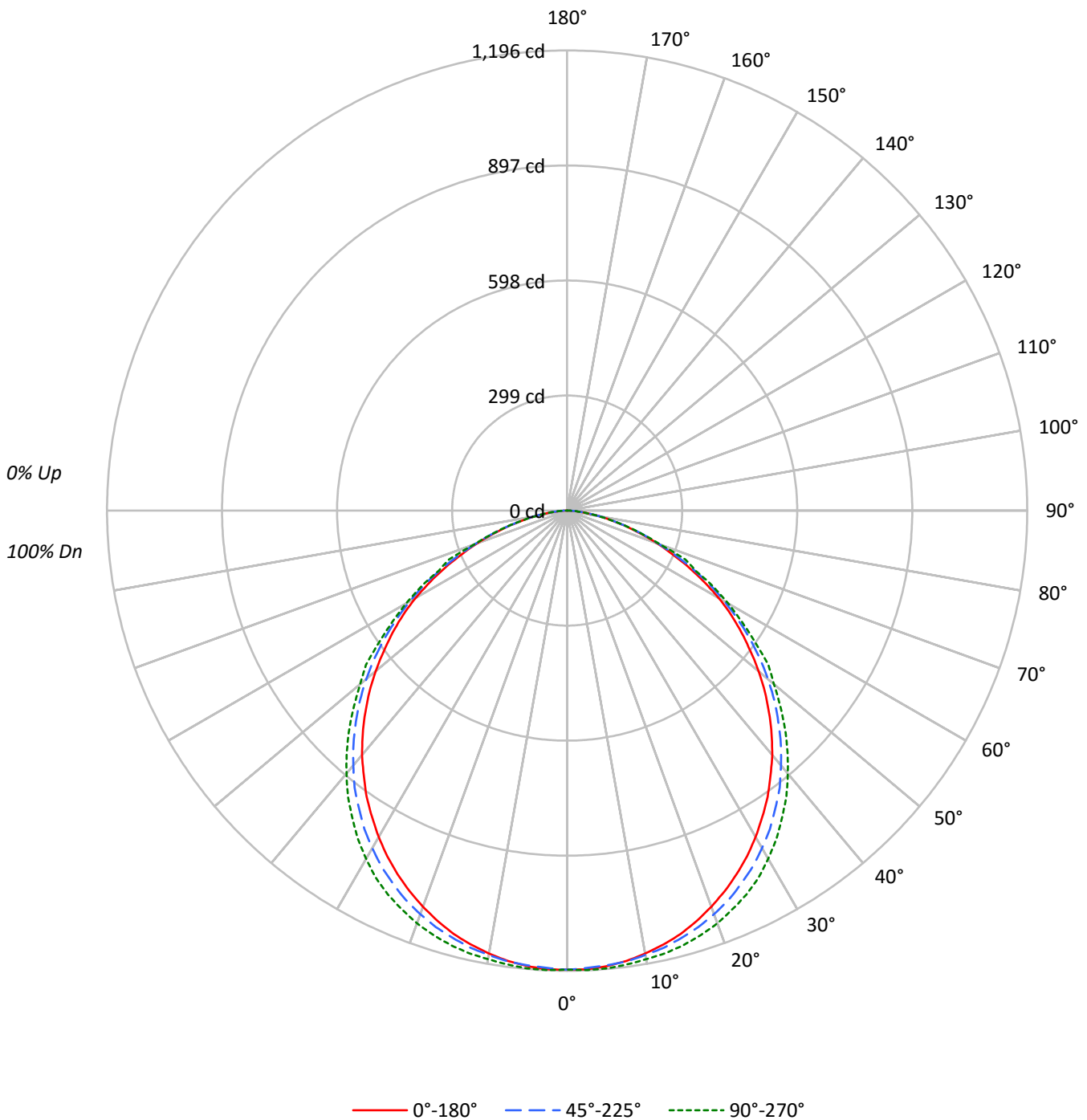
Input Watts (W): 26.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	94	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	76	70	65	74	68	64	71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	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	30	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°	1605	1605	1605
5°	1605	1602	1613
10°	1597	1602	1618
15°	1587	1601	1629
20°	1569	1598	1634
25°	1548	1589	1635
30°	1522	1574	1624
35°	1492	1551	1600
40°	1456	1519	1567
45°	1412	1477	1523
50°	1361	1425	1469
55°	1298	1358	1398
60°	1224	1270	1301
65°	1111	1148	1170
70°	976	998	1012
75°	824	836	842
80°	659	667	649
85°	443	462	443



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.1	3.5
10°-20°	325.2	10.2
20°-30°	493.4	15.4
30°-40°	589.1	18.4
40°-50°	596.4	18.6
50°-60°	515.5	16.1
60°-70°	357.3	11.2
70°-80°	172.9	5.4
80°-90°	38.0	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°	931.7	29.1
0°-40°	1520.8	47.5
0°-60°	2632.6	82.2
0°-90°	3200.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3200.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1193	1193	1193	1193	1193	
5°	1189	1188	1186	1192	1194	113
15°	1139	1142	1150	1163	1169	321
25°	1043	1050	1070	1092	1101	480
35°	908	916	944	968	974	567
45°	742	752	776	796	800	572
55°	554	559	579	603	596	495
65°	349	353	361	366	368	346
75°	158	160	161	160	162	170
85°	29	31	30	29	29	37
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1193.2	1193.2	1193.2	1193.2	1193.2
2.5°	1193.2	1192.1	1189.8	1193.2	1195.5
5°	1188.6	1187.5	1186.3	1192.1	1194.4
7.5°	1180.6	1180.6	1181.7	1187.5	1189.8
10°	1169.1	1170.3	1172.6	1181.7	1184.0
12.5°	1155.3	1157.6	1163.4	1173.7	1178.3
15°	1139.3	1141.5	1149.6	1163.4	1169.1
17.5°	1118.6	1123.2	1134.7	1150.7	1156.5
20°	1095.6	1101.4	1116.3	1134.7	1141.5
22.5°	1070.3	1076.1	1095.6	1115.1	1122.0
25°	1042.8	1049.7	1070.3	1092.2	1101.4
27.5°	1012.9	1021.0	1043.9	1066.9	1076.1
30°	979.6	988.8	1012.9	1037.0	1045.1
32.5°	944.0	953.2	980.8	1003.7	1011.8
35°	908.4	916.5	944.0	968.1	973.9
37.5°	868.2	877.4	907.3	927.9	936.0
40°	829.2	838.4	864.8	885.4	892.3
42.5°	786.7	795.9	822.3	841.8	847.5
45°	741.9	752.2	776.3	795.9	800.5
47.5°	697.1	705.1	730.4	747.6	751.1
50°	650.0	658.1	681.0	698.3	701.7
52.5°	600.6	613.3	631.6	644.3	659.2
55°	553.5	559.3	578.8	602.9	596.0
57.5°	506.5	509.9	526.0	536.3	538.6
60°	454.8	459.4	472.0	477.8	483.5
62.5°	400.8	404.3	419.2	424.9	427.2
65°	349.1	352.6	360.6	366.4	367.5
67.5°	296.3	299.7	306.6	311.2	331.9
70°	248.1	250.4	253.8	263.0	257.3
72.5°	202.1	203.3	206.7	206.7	207.9
75°	158.5	159.6	160.8	159.6	161.9
77.5°	118.3	120.6	121.7	120.6	119.4
80°	85.0	87.3	86.1	83.8	83.8
82.5°	55.1	56.3	55.1	54.0	54.0
85°	28.7	31.0	29.9	28.7	28.7
87.5°	10.3	11.5	12.6	13.8	13.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)