

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: P258423

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

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258423  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-9)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WG-36L830-LD5-UNV-24-T1-STD  
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH RECTANGULAR PERF  
Light Source: (252) 3000 CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3206.0 lumens  
Efficiency: N/A  
Efficacy: 121.0 lumens/watt  
Spacing Criteria (0/90/45): 1.22 / 1.3 / 1.37  
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')  
CIE Type: Direct

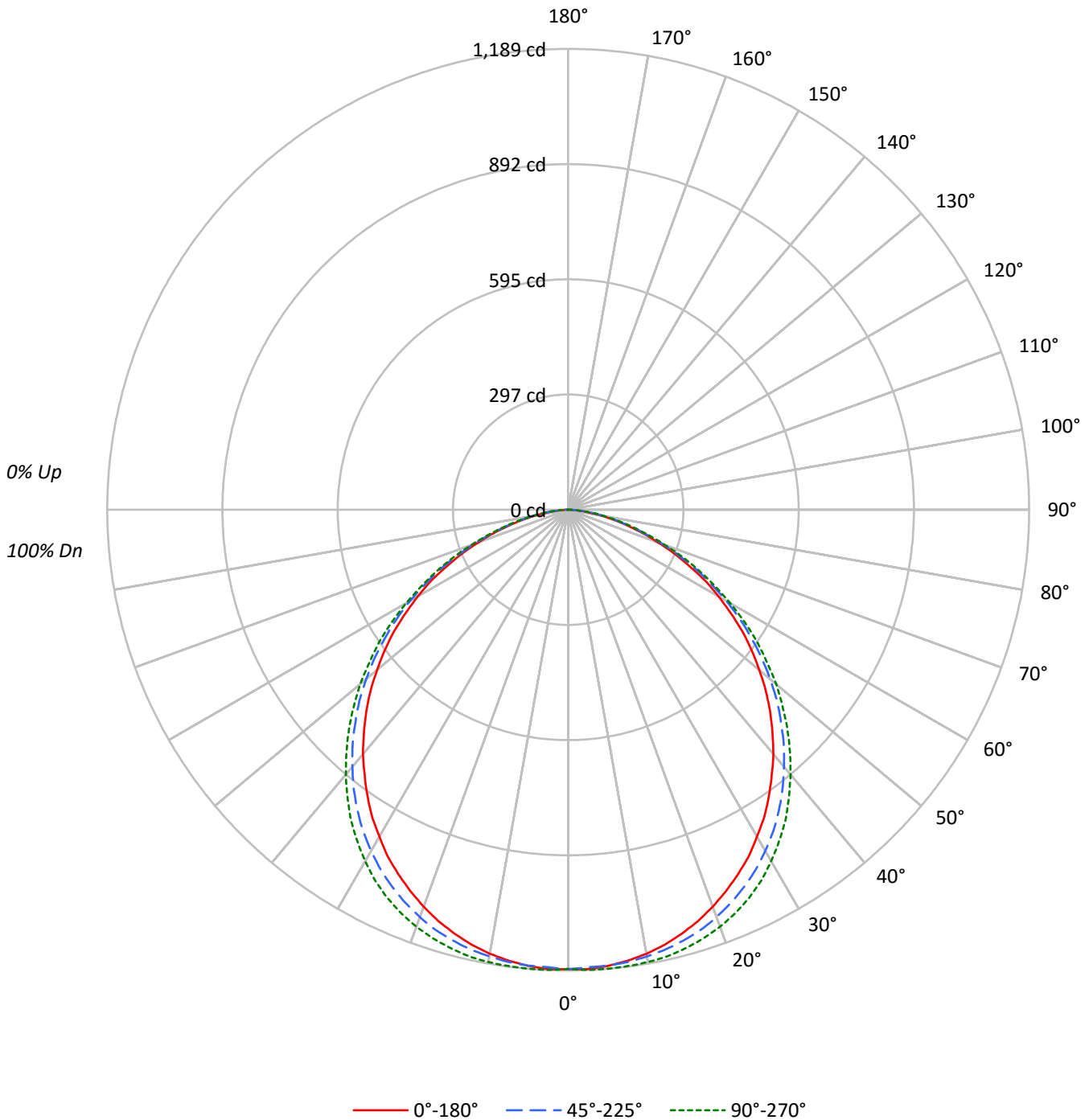
Input Watts (W): 26.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	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	71
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	47	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	27	38	32	27	37	31	27	26

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	1595	1595	1595
5°	1596	1595	1605
10°	1589	1599	1619
15°	1577	1603	1632
20°	1561	1602	1639
25°	1540	1594	1640
30°	1513	1579	1627
35°	1483	1556	1605
40°	1446	1521	1567
45°	1401	1477	1521
50°	1346	1423	1466
55°	1288	1352	1396
60°	1205	1267	1298
65°	1101	1159	1188
70°	967	1017	1044
75°	818	860	889
80°	649	712	730
85°	443	533	514



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.6	3.5
10°-20°	325.1	10.1
20°-30°	494.1	15.4
30°-40°	589.6	18.4
40°-50°	595.4	18.6
50°-60°	513.0	16.0
60°-70°	357.6	11.2
70°-80°	177.2	5.5
80°-90°	41.3	1.3
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°	931.8	29.1
0°-40°	1521.4	47.5
0°-60°	2629.8	82.0
0°-90°	3206.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3206.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1185	1185	1185	1185	1185	
5°	1182	1181	1181	1186	1189	112
15°	1132	1138	1151	1166	1171	319
25°	1037	1051	1074	1096	1105	478
35°	903	918	948	969	977	564
45°	736	752	776	795	799	567
55°	549	560	576	590	595	489
65°	346	353	364	368	373	343
75°	157	160	165	169	171	170
85°	29	34	34	32	33	37
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1185.2	1185.2	1185.2	1185.2	1185.2
2.5°	1186.3	1184.0	1181.7	1186.3	1188.6
5°	1181.7	1180.6	1180.6	1186.3	1188.6
7.5°	1173.7	1173.7	1177.1	1185.2	1187.5
10°	1163.4	1165.7	1170.3	1181.7	1185.2
12.5°	1149.6	1154.2	1162.2	1176.0	1180.6
15°	1132.4	1138.1	1150.7	1165.7	1171.4
17.5°	1112.8	1120.9	1137.0	1154.2	1159.9
20°	1089.9	1100.2	1118.6	1138.1	1145.0
22.5°	1064.6	1077.2	1097.9	1118.6	1126.6
25°	1037.0	1050.8	1073.8	1095.6	1104.8
27.5°	1008.3	1022.1	1047.4	1069.2	1078.4
30°	973.9	990.0	1016.4	1039.3	1047.4
32.5°	940.6	956.6	984.2	1004.9	1012.9
35°	902.7	917.6	947.5	969.3	977.3
37.5°	862.5	879.7	908.4	927.9	934.8
40°	823.4	838.4	865.9	885.4	892.3
42.5°	779.8	795.9	823.4	840.7	846.4
45°	736.1	752.2	776.3	794.7	799.3
47.5°	691.4	706.3	730.4	745.3	749.9
50°	643.1	656.9	679.9	694.8	700.5
52.5°	597.2	609.8	629.3	642.0	645.4
55°	549.0	560.4	576.5	590.3	594.9
57.5°	497.3	509.9	524.8	536.3	539.8
60°	447.9	458.2	470.9	481.2	482.3
62.5°	399.7	404.3	415.7	424.9	426.1
65°	345.7	352.6	364.1	367.5	373.2
67.5°	296.3	300.9	310.1	314.7	319.3
70°	245.8	249.2	258.4	264.1	265.3
72.5°	202.1	203.3	210.2	214.8	215.9
75°	157.3	159.6	165.4	168.8	171.1
77.5°	119.4	121.7	126.3	128.6	128.6
80°	83.8	87.3	91.9	93.0	94.2
82.5°	54.0	58.6	62.0	63.2	60.9
85°	28.7	34.5	34.5	32.2	33.3
87.5°	10.3	12.6	13.8	14.9	14.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)