

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: P258425

Luminaire Tested: **D3X-WG-36L840-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258425  
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-36L840-LD5-UNV-24-T1-STD  
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH RECTANGULAR PERF  
Light Source: (252) 4000 CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3339.4 lumens  
Efficiency: N/A  
Efficacy: 126.0 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

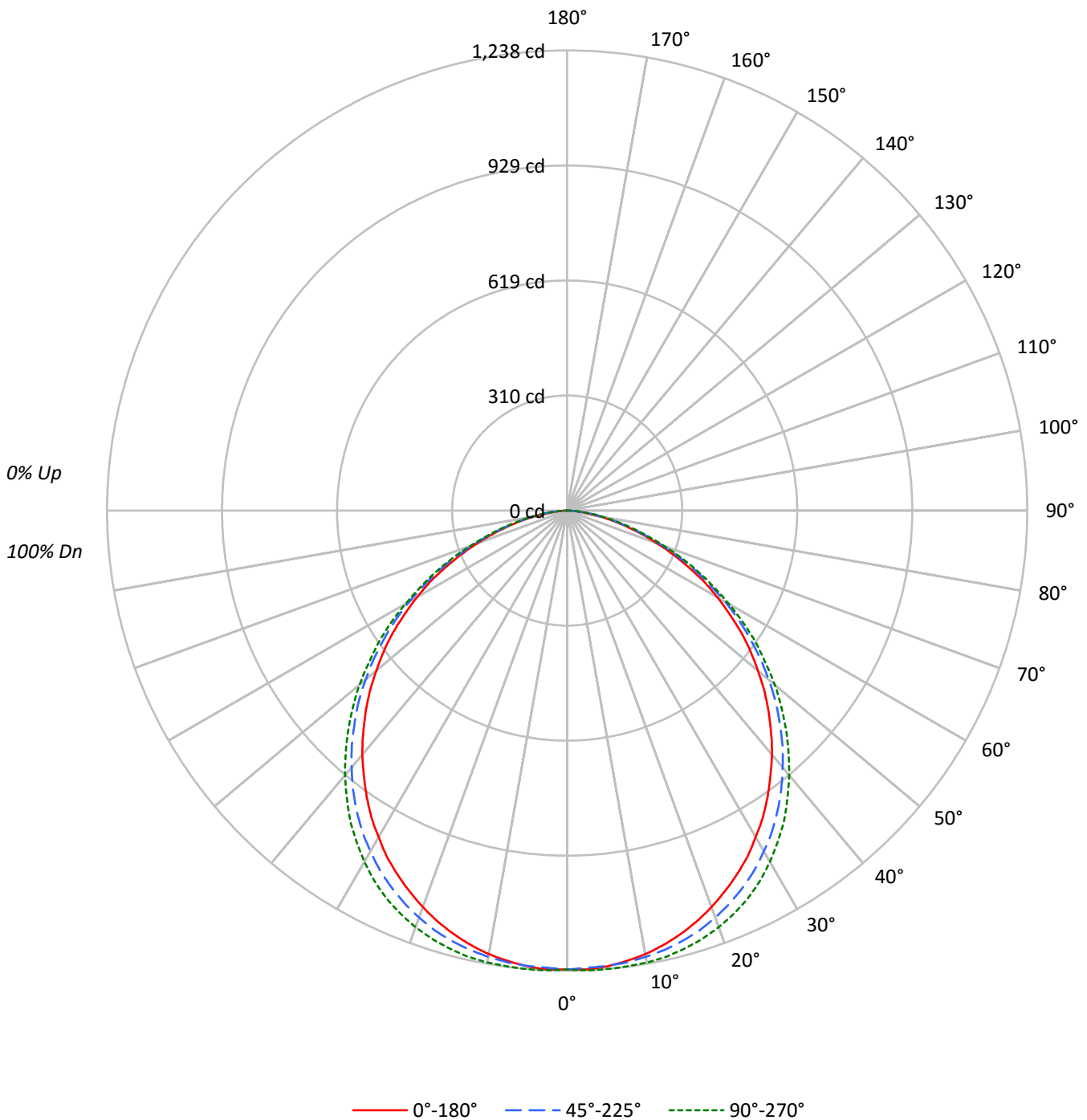
Input Watts (W): 26.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



TEST NUMBER: P258425

CATALOG NUMBER: D3X-WG-36L840-LD5-UNV-24-T1-STD

### Luminous Intensity Polar Plot





TEST NUMBER: P258425

CATALOG NUMBER: D3X-WG-36L840-LD5-UNV-24-T1-STD

**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°	1661	1661	1661
5°	1662	1661	1672
10°	1656	1665	1687
15°	1643	1670	1700
20°	1625	1668	1708
25°	1604	1661	1708
30°	1576	1645	1695
35°	1544	1621	1672
40°	1506	1584	1633
45°	1459	1539	1584
50°	1402	1482	1527
55°	1341	1409	1453
60°	1255	1320	1352
65°	1146	1207	1238
70°	1007	1059	1087
75°	852	896	926
80°	676	742	760
85°	462	554	536



TEST NUMBER: P258425

CATALOG NUMBER: D3X-WG-36L840-LD5-UNV-24-T1-STD

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	117.3	3.5
10°-20°	338.6	10.1
20°-30°	514.6	15.4
30°-40°	614.1	18.4
40°-50°	620.2	18.6
50°-60°	534.4	16.0
60°-70°	372.5	11.2
70°-80°	184.6	5.5
80°-90°	43.1	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°	970.6	29.1
0°-40°	1584.7	47.5
0°-60°	2739.3	82.0
0°-90°	3339.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3339.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1234	1234	1234	1234	1234	
5°	1231	1230	1230	1236	1238	117
15°	1180	1186	1199	1214	1220	333
25°	1080	1094	1118	1141	1151	498
35°	940	956	987	1010	1018	588
45°	767	784	809	828	833	591
55°	572	584	600	615	620	510
65°	360	367	379	383	389	358
75°	164	166	172	176	178	177
85°	30	36	36	34	35	38
90°	0	0	0	0	0	



TEST NUMBER: P258425

CATALOG NUMBER: D3X-WG-36L840-LD5-UNV-24-T1-STD

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1234.5	1234.5	1234.5	1234.5	1234.5
2.5°	1235.7	1233.3	1230.9	1235.7	1238.1
5°	1230.9	1229.7	1229.7	1235.7	1238.1
7.5°	1222.5	1222.5	1226.1	1234.5	1236.9
10°	1211.8	1214.2	1219.0	1230.9	1234.5
12.5°	1197.4	1202.2	1210.6	1224.9	1229.7
15°	1179.5	1185.5	1198.6	1214.2	1220.2
17.5°	1159.1	1167.5	1184.3	1202.2	1208.2
20°	1135.2	1146.0	1165.1	1185.5	1192.6
22.5°	1108.9	1122.1	1143.6	1165.1	1173.5
25°	1080.2	1094.5	1118.5	1141.2	1150.8
27.5°	1050.3	1064.6	1091.0	1113.7	1123.3
30°	1014.4	1031.1	1058.7	1082.6	1091.0
32.5°	979.7	996.5	1025.2	1046.7	1055.1
35°	940.2	955.8	986.9	1009.6	1018.0
37.5°	898.4	916.3	946.2	966.6	973.7
40°	857.7	873.2	902.0	922.3	929.5
42.5°	812.2	829.0	857.7	875.6	881.6
45°	766.8	783.5	808.6	827.8	832.6
47.5°	720.1	735.7	760.8	776.4	781.1
50°	669.9	684.2	708.2	723.7	729.7
52.5°	622.0	635.2	655.5	668.7	672.3
55°	571.8	583.8	600.5	614.9	619.6
57.5°	518.0	531.1	546.7	558.6	562.2
60°	466.5	477.3	490.5	501.2	502.4
62.5°	416.3	421.1	433.0	442.6	443.8
65°	360.1	367.2	379.2	382.8	388.8
67.5°	308.6	313.4	323.0	327.8	332.6
70°	256.0	259.6	269.2	275.1	276.3
72.5°	210.5	211.7	218.9	223.7	224.9
75°	163.9	166.3	172.3	175.8	178.2
77.5°	124.4	126.8	131.6	134.0	134.0
80°	87.3	90.9	95.7	96.9	98.1
82.5°	56.2	61.0	64.6	65.8	63.4
85°	29.9	35.9	35.9	33.5	34.7
87.5°	10.8	13.2	14.4	15.6	15.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)