

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: P258366

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258366
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-36L840-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH ROUND PERF
Light Source: (252) 4000 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3334.0 lumens
Efficiency: N/A
Efficacy: 125.8 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

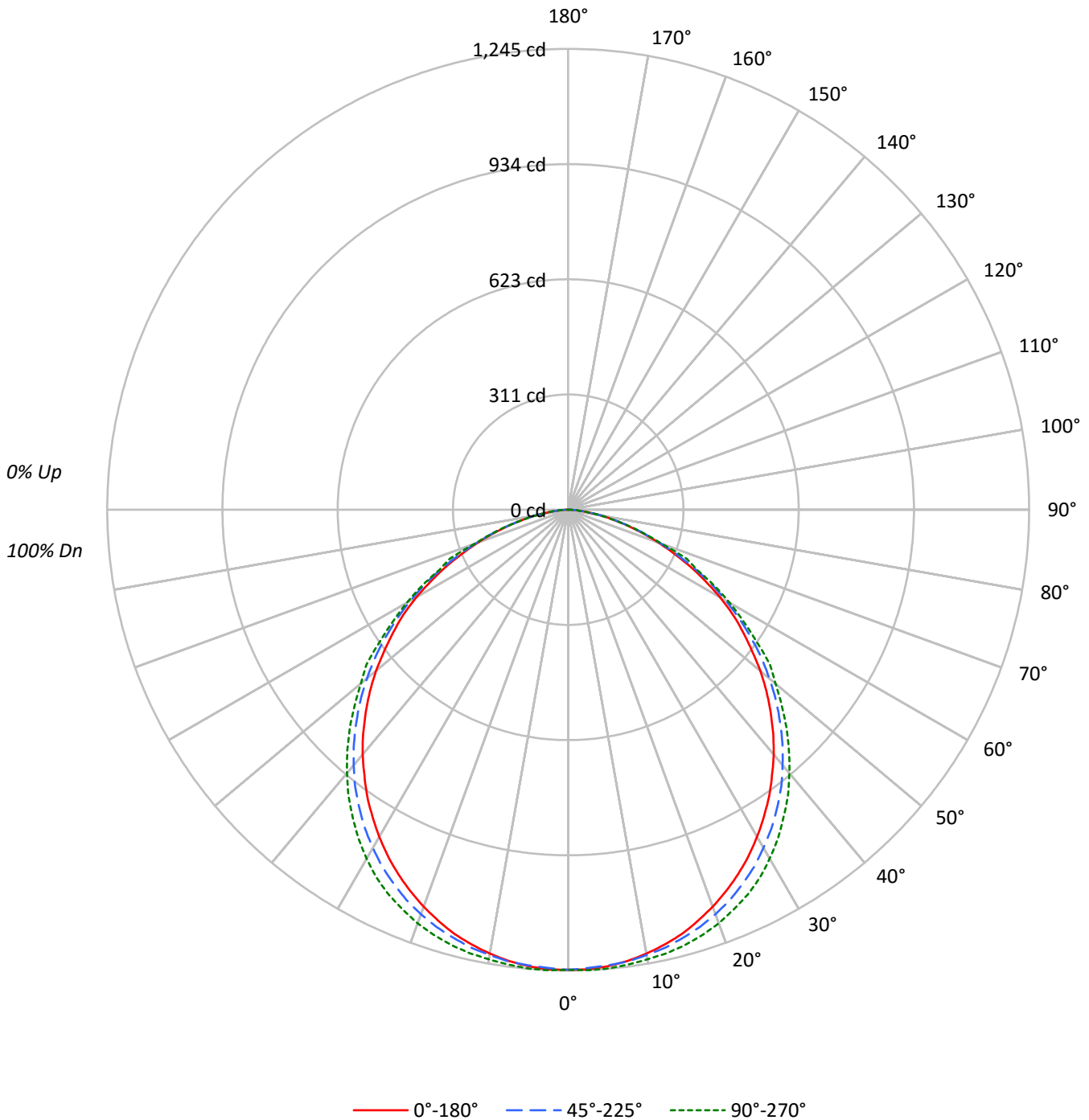
Input Watts (W): 26.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1672	1672	1672
5°	1672	1669	1680
10°	1664	1669	1685
15°	1653	1668	1696
20°	1634	1665	1703
25°	1613	1655	1703
30°	1585	1639	1691
35°	1554	1615	1666
40°	1517	1582	1633
45°	1470	1539	1587
50°	1417	1485	1530
55°	1353	1414	1456
60°	1275	1323	1355
65°	1158	1196	1219
70°	1017	1040	1054
75°	858	871	877
80°	686	695	676
85°	462	480	462



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.8	3.5
10°-20°	338.7	10.2
20°-30°	513.9	15.4
30°-40°	613.6	18.4
40°-50°	621.2	18.6
50°-60°	536.9	16.1
60°-70°	372.1	11.2
70°-80°	180.1	5.4
80°-90°	39.6	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°	970.5	29.1
0°-40°	1584.0	47.5
0°-60°	2742.2	82.2
0°-90°	3334.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3334.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1243	1243	1243	1243	1243	
5°	1238	1237	1236	1242	1244	118
15°	1187	1189	1197	1212	1218	334
25°	1086	1093	1115	1138	1147	500
35°	946	955	983	1008	1014	591
45°	773	784	809	829	834	596
55°	577	583	603	628	621	515
65°	364	367	376	382	383	360
75°	165	166	168	166	169	177
85°	30	32	31	30	30	39
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1242.9	1242.9	1242.9	1242.9	1242.9
2.5°	1242.9	1241.7	1239.3	1242.9	1245.3
5°	1238.1	1236.9	1235.7	1241.7	1244.1
7.5°	1229.7	1229.7	1230.9	1236.9	1239.3
10°	1217.8	1219.0	1221.3	1230.9	1233.3
12.5°	1203.4	1205.8	1211.8	1222.5	1227.3
15°	1186.7	1189.1	1197.4	1211.8	1217.8
17.5°	1165.1	1169.9	1181.9	1198.6	1204.6
20°	1141.2	1147.2	1162.7	1181.9	1189.1
22.5°	1114.9	1120.9	1141.2	1161.5	1168.7
25°	1086.2	1093.4	1114.9	1137.6	1147.2
27.5°	1055.1	1063.4	1087.4	1111.3	1120.9
30°	1020.4	1030.0	1055.1	1080.2	1088.6
32.5°	983.3	992.9	1021.6	1045.5	1053.9
35°	946.2	954.6	983.3	1008.4	1014.4
37.5°	904.3	913.9	945.0	966.6	974.9
40°	863.7	873.2	900.8	922.3	929.5
42.5°	819.4	829.0	856.5	876.8	882.8
45°	772.8	783.5	808.7	829.0	833.8
47.5°	726.1	734.5	760.8	778.7	782.3
50°	677.1	685.4	709.4	727.3	730.9
52.5°	625.6	638.8	657.9	671.1	686.6
55°	576.6	582.6	602.9	628.0	620.8
57.5°	527.5	531.1	547.9	558.6	561.0
60°	473.7	478.5	491.6	497.6	503.6
62.5°	417.5	421.1	436.6	442.6	445.0
65°	363.7	367.2	375.6	381.6	382.8
67.5°	308.6	312.2	319.4	324.2	345.7
70°	258.4	260.8	264.4	273.9	268.0
72.5°	210.5	211.7	215.3	215.3	216.5
75°	165.1	166.3	167.5	166.3	168.7
77.5°	123.2	125.6	126.8	125.6	124.4
80°	88.5	90.9	89.7	87.3	87.3
82.5°	57.4	58.6	57.4	56.2	56.2
85°	29.9	32.3	31.1	29.9	29.9
87.5°	10.8	12.0	13.2	14.4	14.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)