

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: P257536

Luminaire Tested: **D3X-WO-35L840-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P257536  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-4)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: CORELITE  
Catalog Number: D3X-WO-35L840-LD5-UNV-22-T1-STD  
Description: CORELITE D3X 2X2 LED LUMINAIRE  
Light Source: (126) 4000 CCT, 80 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3574.1 lumens  
Efficiency: N/A  
Efficacy: 116.8 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.27 / 1.33  
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')  
CIE Type: Direct

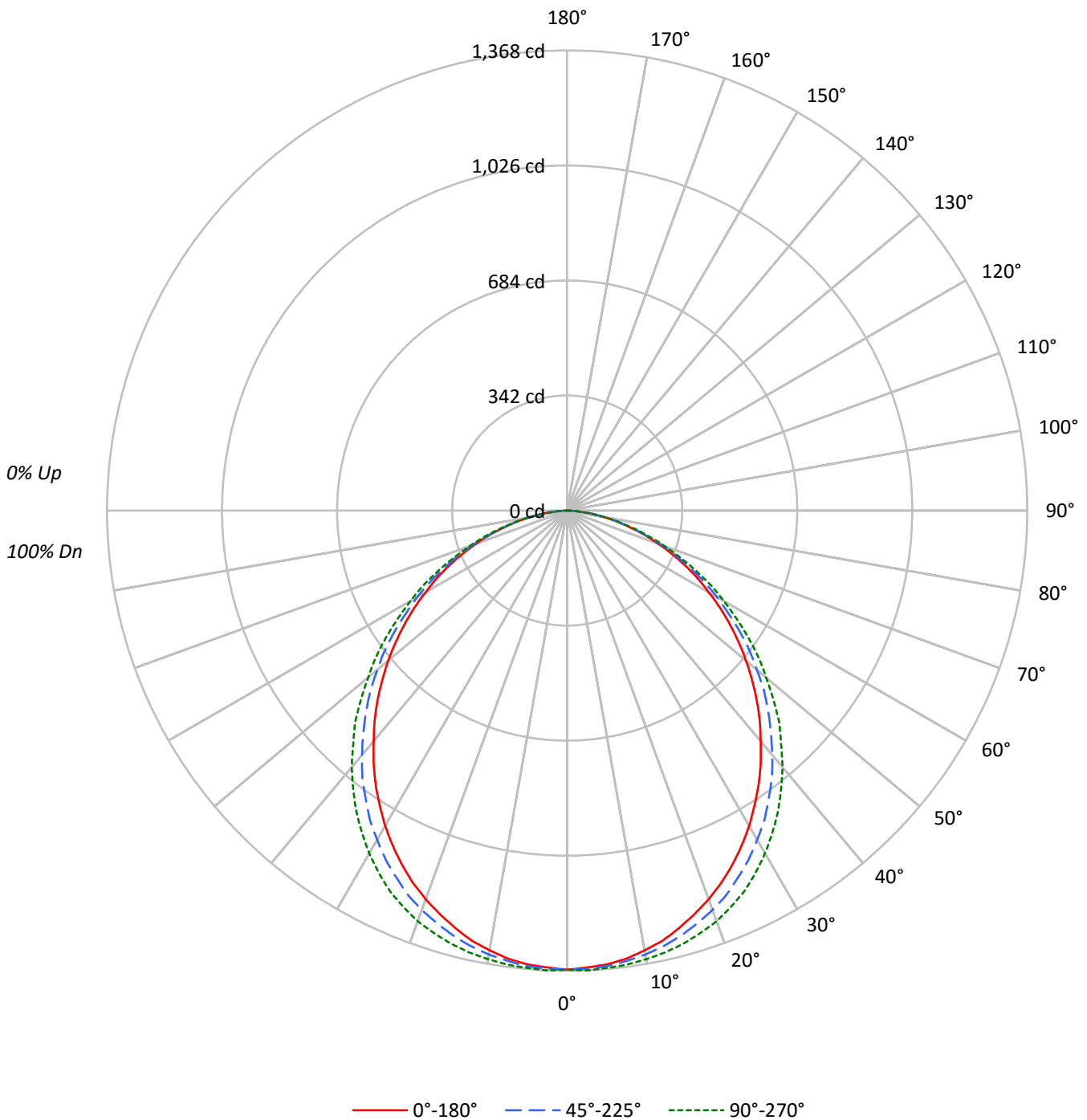
Input Watts (W): 30.6  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	76	73	71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60
4	84	72	63	57	81	70	62	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	31	43	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	28	38	32	27	26

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

	0°	45°	90°
0°	3673	3673	3673
5°	3658	3673	3687
10°	3627	3662	3700
15°	3579	3644	3713
20°	3521	3618	3720
25°	3450	3572	3704
30°	3362	3511	3655
35°	3262	3432	3589
40°	3144	3332	3501
45°	3034	3217	3393
50°	2905	3084	3233
55°	2772	2939	3080
60°	2615	2768	2892
65°	2470	2561	2686
70°	2268	2338	2423
75°	2017	2072	2127
80°	1737	1709	1709
85°	1318	1207	1099



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	129.1	3.6
10°-20°	369.1	10.3
20°-30°	554.1	15.5
30°-40°	652.1	18.2
40°-50°	650.5	18.2
50°-60°	558.2	15.6
60°-70°	399.8	11.2
70°-80°	211.7	5.9
80°-90°	49.5	1.4
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°	1052.3	29.4
0°-40°	1704.4	47.7
0°-60°	2913.1	81.5
0°-90°	3574.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3574.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1365	1365	1365	1365	1365	
5°	1354	1354	1360	1363	1365	128
15°	1285	1290	1308	1326	1333	362
25°	1162	1173	1203	1233	1248	535
35°	993	1005	1045	1080	1093	620
45°	797	810	845	876	892	614
55°	591	600	626	648	657	528
65°	388	390	402	418	422	383
75°	194	194	199	203	205	208
85°	43	41	39	36	36	52
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1364.9	1364.9	1364.9	1364.9	1364.9
2.5°	1359.6	1359.6	1363.1	1366.7	1368.5
5°	1354.2	1354.2	1359.6	1363.1	1364.9
7.5°	1343.6	1343.6	1350.7	1357.8	1361.3
10°	1327.5	1331.1	1340.0	1350.7	1354.2
12.5°	1309.7	1313.3	1325.8	1340.0	1345.3
15°	1284.8	1290.2	1308.0	1325.8	1332.9
17.5°	1258.1	1265.3	1286.6	1308.0	1316.9
20°	1229.7	1236.8	1263.5	1288.4	1299.1
22.5°	1197.6	1206.5	1236.8	1263.5	1274.1
25°	1162.0	1172.7	1203.0	1233.2	1247.5
27.5°	1122.9	1135.3	1169.2	1201.2	1213.6
30°	1082.0	1096.2	1130.0	1163.8	1176.3
32.5°	1037.5	1049.9	1090.9	1122.9	1135.3
35°	993.0	1005.4	1044.6	1080.2	1092.6
37.5°	944.9	961.0	1000.1	1032.1	1044.6
40°	895.1	911.1	948.5	985.9	996.5
42.5°	847.1	861.3	896.9	930.7	941.4
45°	797.2	809.7	845.3	875.5	891.5
47.5°	745.6	758.1	793.7	822.1	831.0
50°	694.0	706.5	736.7	761.6	772.3
52.5°	642.4	654.9	683.3	706.5	717.2
55°	590.8	599.7	626.4	647.8	656.6
57.5°	539.2	546.3	567.7	590.8	596.1
60°	485.8	494.7	514.3	530.3	537.4
62.5°	437.8	441.3	459.1	473.4	482.3
65°	387.9	389.7	402.2	418.2	421.8
67.5°	336.3	338.1	350.6	359.5	363.0
70°	288.3	288.3	297.2	304.3	307.9
72.5°	242.0	240.2	245.6	252.7	256.3
75°	194.0	194.0	199.3	202.9	204.6
77.5°	153.0	149.5	153.0	156.6	156.6
80°	112.1	110.3	110.3	112.1	110.3
82.5°	76.5	74.7	76.5	73.0	71.2
85°	42.7	40.9	39.1	35.6	35.6
87.5°	14.2	12.5	12.5	14.2	14.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)