

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: P257573

Luminaire Tested: **D3X-WO-35L935-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257573
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-1)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WO-35L935-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE
Light Source: (112) 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3196.6 lumens
Efficiency: N/A
Efficacy: 89.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.24 / 1.33
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

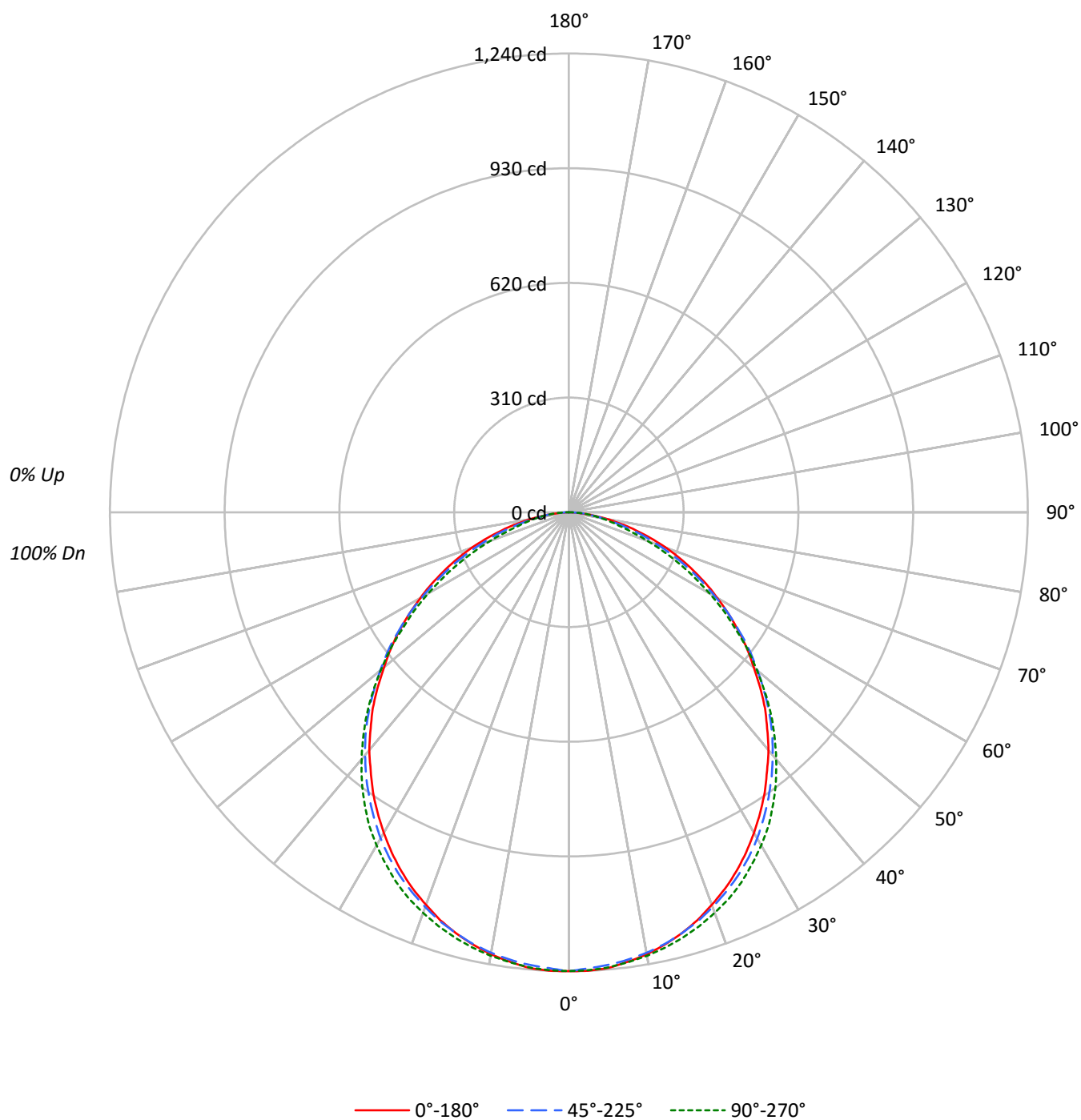
Input Watts (W): 35.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10		50	30	10			50	30	10			50
RCR																				
0	119	119	119	119	116	116	116	116		111	111	111			106	106	106			102
1	109	105	101	97	107	103	99	95		98	95	92			94	92	90			91
2	100	92	85	80	97	90	84	79		86	81	77			83	79	75			80
3	91	81	73	67	89	79	72	66		77	70	65			74	68	64			71
4	84	72	64	57	81	71	63	57		68	61	56			66	60	55			64
5	77	65	56	49	75	63	55	49		61	54	49			59	53	48			58
6	71	58	50	43	69	57	49	43		56	48	43			54	47	42			52
7	66	53	44	38	64	52	44	38		51	43	38			49	43	38			48
8	62	48	40	34	60	48	40	34		46	39	34			45	39	34			44
9	58	44	36	31	56	44	36	31		43	36	31			42	35	30			41
10	54	41	33	28	53	41	33	28		40	33	28			39	32	28			38

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3337	3337	3337
5°	3338	3316	3334
10°	3314	3303	3325
15°	3280	3280	3314
20°	3232	3252	3298
25°	3178	3215	3275
30°	3107	3162	3229
35°	3031	3089	3161
40°	2947	3008	3061
45°	2852	2914	2939
50°	2729	2785	2774
55°	2625	2645	2575
60°	2494	2457	2363
65°	2355	2260	2105
70°	2186	2004	1781
75°	1944	1719	1465
80°	1616	1407	1365
85°	1170	1257	1257



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.0	3.7
10°-20°	333.3	10.4
20°-30°	499.5	15.6
30°-40°	588.6	18.4
40°-50°	587.0	18.4
50°-60°	499.3	15.6
60°-70°	348.5	10.9
70°-80°	177.1	5.5
80°-90°	46.3	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°	949.9	29.7
0°-40°	1538.4	48.1
0°-60°	2624.7	82.1
0°-90°	3196.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3196.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1240	1240	1240	1240	1240	
5°	1236	1233	1228	1234	1234	117
15°	1178	1178	1178	1188	1190	332
25°	1070	1072	1083	1099	1103	493
35°	923	924	940	959	962	577
45°	749	752	766	771	772	577
55°	560	560	564	556	549	500
65°	370	364	355	336	331	367
75°	187	180	165	145	141	199
85°	38	39	41	41	41	47
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1239.9	1239.9	1239.9	1239.9	1239.9
2.5°	1239.9	1238.5	1233.1	1238.5	1238.5
5°	1235.8	1233.1	1227.7	1234.4	1234.4
7.5°	1224.9	1223.6	1219.5	1226.3	1226.3
10°	1212.8	1211.4	1208.7	1216.8	1216.8
12.5°	1196.5	1196.5	1195.1	1203.3	1204.6
15°	1177.5	1177.5	1177.5	1188.4	1189.7
17.5°	1155.8	1154.5	1158.6	1170.7	1172.1
20°	1128.7	1130.1	1135.5	1149.1	1151.8
22.5°	1101.6	1103.0	1109.8	1126.0	1130.1
25°	1070.5	1071.8	1082.7	1098.9	1103.0
27.5°	1036.6	1039.3	1051.5	1069.1	1071.8
30°	1000.0	1002.7	1017.6	1035.2	1039.3
32.5°	962.1	966.1	979.7	998.7	1004.1
35°	922.8	924.1	940.4	959.4	962.1
37.5°	879.4	883.5	899.7	916.0	918.7
40°	838.8	841.5	856.4	869.9	871.3
42.5°	792.7	796.8	813.0	822.5	822.5
45°	749.3	752.0	765.6	771.0	772.4
47.5°	700.6	703.3	715.5	718.2	718.2
50°	651.8	658.5	665.3	665.3	662.6
52.5°	607.1	608.4	616.5	611.1	608.4
55°	559.6	559.6	563.7	555.6	548.8
57.5°	512.2	512.2	512.2	501.4	495.9
60°	463.4	462.1	456.6	443.1	439.0
62.5°	417.3	413.3	405.2	391.6	383.5
65°	369.9	364.5	355.0	336.0	330.6
67.5°	325.2	315.7	304.9	287.3	277.8
70°	277.8	269.7	254.7	234.4	226.3
72.5°	231.7	223.6	211.4	191.1	178.9
75°	187.0	180.2	165.3	145.0	140.9
77.5°	143.6	139.6	124.7	115.2	113.8
80°	104.3	103.0	90.8	88.1	88.1
82.5°	69.1	67.8	63.7	63.7	62.3
85°	37.9	39.3	40.7	40.7	40.7
87.5°	13.6	16.3	19.0	19.0	19.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)