

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: P258427

Luminaire Tested: **D3X-WG-36L935-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P258427  
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-36L935-LD5-UNV-24-T1-STD  
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH RECTANGULAR PERF  
Light Source: (252) 3500 CCT, 90 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2875.2 lumens  
Efficiency: N/A  
Efficacy: 108.5 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

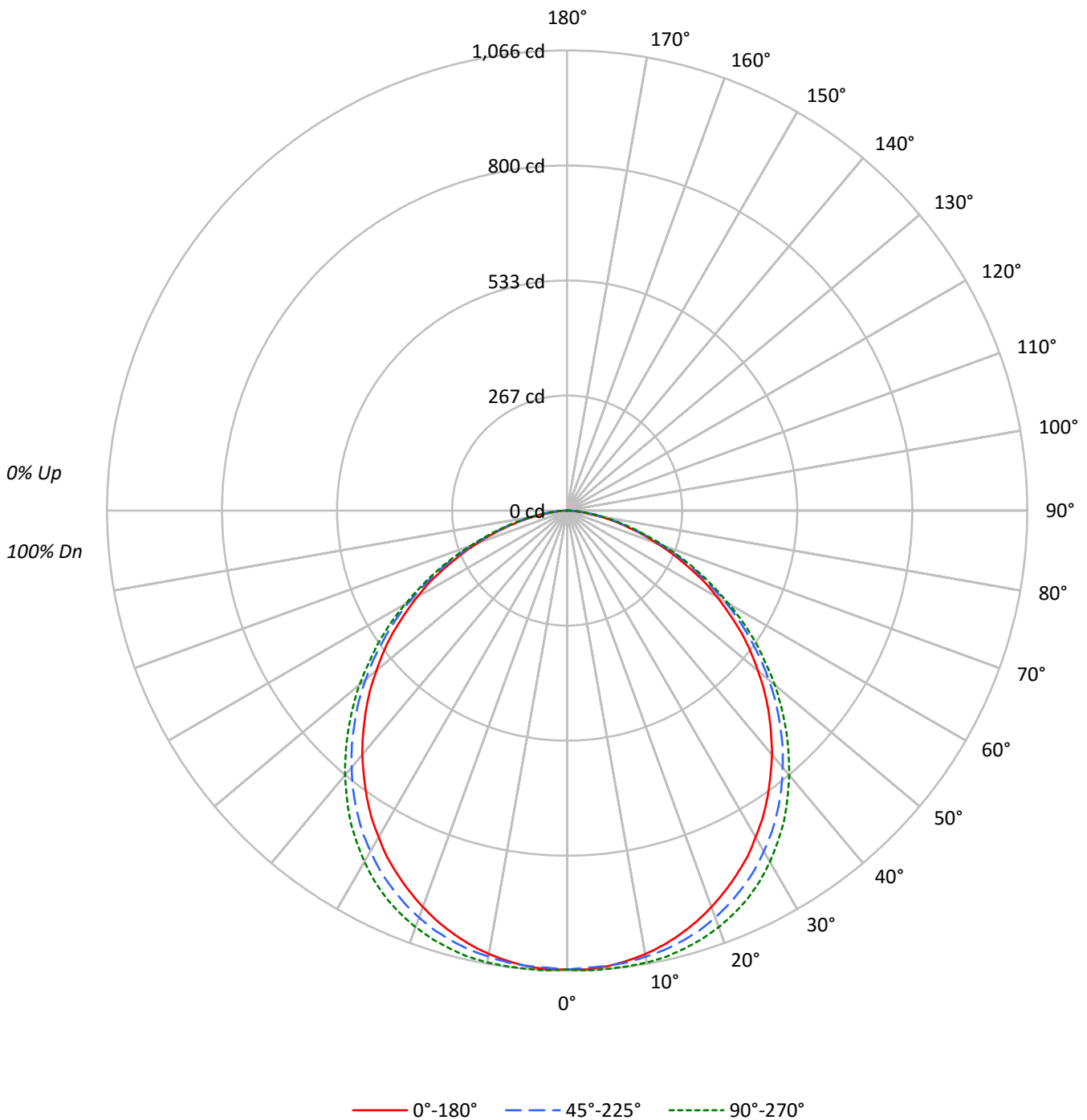
Input Watts (W): 26.5  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT



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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°	1430	1430	1430
5°	1431	1430	1440
10°	1425	1434	1452
15°	1415	1438	1463
20°	1399	1436	1470
25°	1381	1430	1471
30°	1357	1416	1459
35°	1330	1396	1440
40°	1297	1364	1406
45°	1256	1325	1364
50°	1207	1276	1315
55°	1155	1213	1251
60°	1081	1136	1164
65°	987	1039	1066
70°	867	911	936
75°	734	771	798
80°	583	638	655
85°	397	477	462



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.0	3.5
10°-20°	291.6	10.1
20°-30°	443.1	15.4
30°-40°	528.7	18.4
40°-50°	534.0	18.6
50°-60°	460.1	16.0
60°-70°	320.7	11.2
70°-80°	159.0	5.5
80°-90°	37.1	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°	835.7	29.1
0°-40°	1364.4	47.5
0°-60°	2358.4	82.0
0°-90°	2875.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2875.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1063	1063	1063	1063	1063	
5°	1060	1059	1059	1064	1066	101
15°	1016	1021	1032	1045	1050	286
25°	930	942	963	983	991	428
35°	810	823	850	869	876	506
45°	660	675	696	713	717	509
55°	492	503	517	529	534	439
65°	310	316	326	330	335	308
75°	141	143	148	151	154	152
85°	26	31	31	29	30	33
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1062.9	1062.9	1062.9	1062.9	1062.9
2.5°	1063.9	1061.9	1059.8	1063.9	1066.0
5°	1059.8	1058.8	1058.8	1063.9	1066.0
7.5°	1052.6	1052.6	1055.7	1062.9	1064.9
10°	1043.3	1045.4	1049.5	1059.8	1062.9
12.5°	1031.0	1035.1	1042.3	1054.6	1058.8
15°	1015.5	1020.7	1032.0	1045.4	1050.5
17.5°	998.0	1005.2	1019.6	1035.1	1040.2
20°	977.4	986.7	1003.1	1020.7	1026.8
22.5°	954.7	966.1	984.6	1003.1	1010.4
25°	930.0	942.4	963.0	982.6	990.8
27.5°	904.3	916.6	939.3	958.9	967.1
30°	873.4	887.8	911.5	932.1	939.3
32.5°	843.5	857.9	882.6	901.2	908.4
35°	809.5	822.9	849.7	869.3	876.5
37.5°	773.5	788.9	814.7	832.2	838.4
40°	738.5	751.8	776.6	794.1	800.3
42.5°	699.3	713.7	738.5	753.9	759.1
45°	660.2	674.6	696.2	712.7	716.8
47.5°	620.0	633.4	655.0	668.4	672.5
50°	576.8	589.1	609.7	623.1	628.3
52.5°	535.6	546.9	564.4	575.7	578.8
55°	492.3	502.6	517.0	529.4	533.5
57.5°	446.0	457.3	470.7	481.0	484.1
60°	401.7	410.9	422.3	431.5	432.6
62.5°	358.4	362.5	372.8	381.1	382.1
65°	310.0	316.2	326.5	329.6	334.7
67.5°	265.7	269.8	278.1	282.2	286.3
70°	220.4	223.5	231.7	236.9	237.9
72.5°	181.3	182.3	188.5	192.6	193.6
75°	141.1	143.2	148.3	151.4	153.5
77.5°	107.1	109.2	113.3	115.4	115.4
80°	75.2	78.3	82.4	83.4	84.5
82.5°	48.4	52.5	55.6	56.6	54.6
85°	25.7	30.9	30.9	28.8	29.9
87.5°	9.3	11.3	12.4	13.4	13.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)