

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: P257533

Luminaire Tested: **D3X-WO-31L940-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257533
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-31L940-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE
Light Source: (126) 4000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2799.8 lumens
Efficiency: N/A
Efficacy: 105.3 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

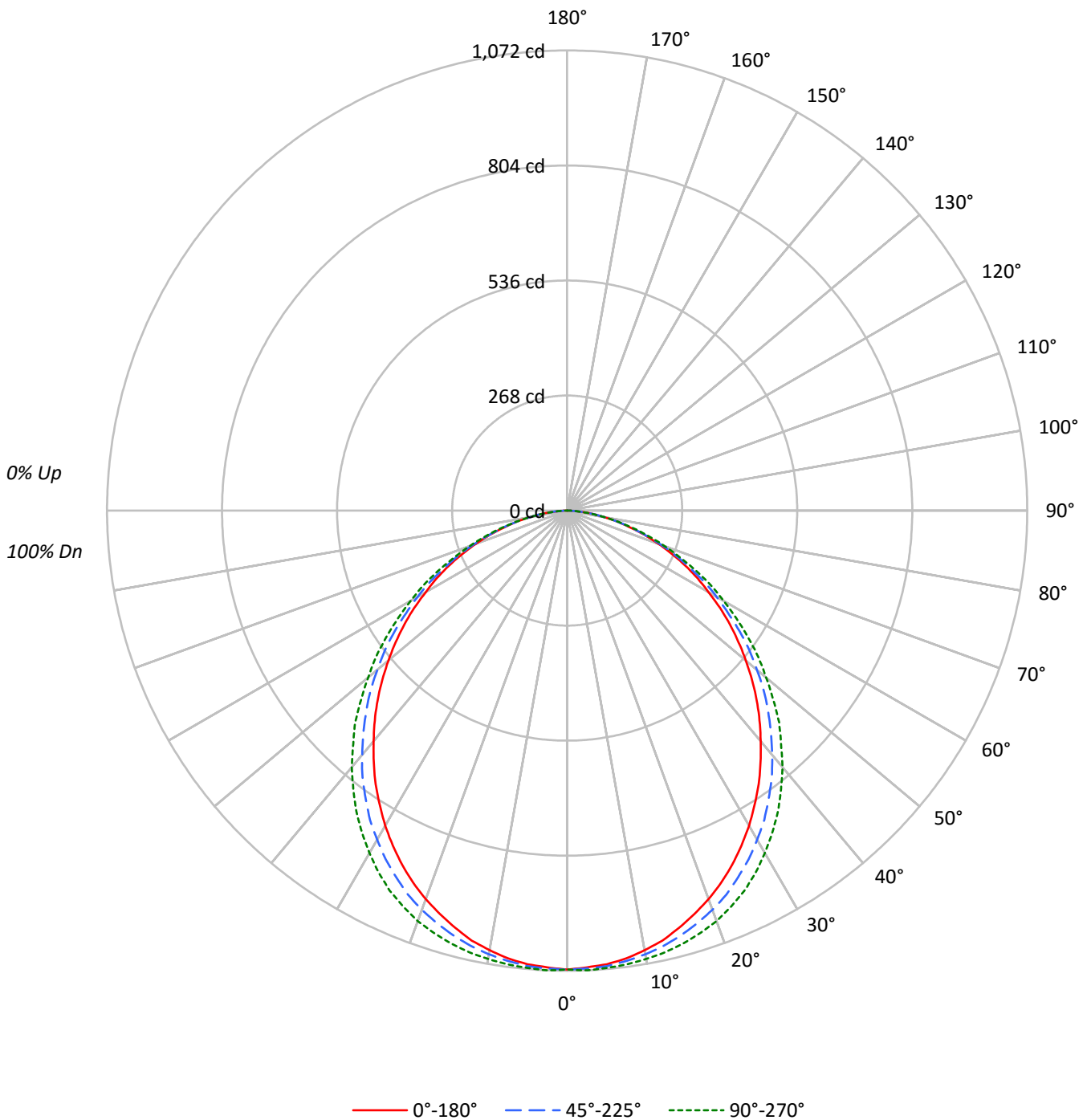
Input Watts (W): 26.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	2877	2877	2877
5°	2865	2877	2888
10°	2842	2868	2899
15°	2804	2854	2909
20°	2759	2834	2914
25°	2703	2798	2901
30°	2634	2751	2863
35°	2555	2688	2812
40°	2463	2610	2742
45°	2377	2520	2658
50°	2276	2416	2533
55°	2171	2302	2413
60°	2048	2168	2266
65°	1935	2006	2104
70°	1777	1832	1898
75°	1579	1623	1667
80°	1361	1339	1339
85°	1034	948	861



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.2	3.6
10°-20°	289.1	10.3
20°-30°	434.1	15.5
30°-40°	510.9	18.2
40°-50°	509.5	18.2
50°-60°	437.3	15.6
60°-70°	313.2	11.2
70°-80°	165.8	5.9
80°-90°	38.8	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°	824.3	29.4
0°-40°	1335.2	47.7
0°-60°	2282.0	81.5
0°-90°	2799.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2799.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1069	1069	1069	1069	1069	
5°	1061	1061	1065	1068	1069	101
15°	1006	1011	1025	1038	1044	284
25°	910	919	942	966	977	419
35°	778	788	818	846	856	486
45°	624	634	662	686	698	481
55°	463	470	491	507	514	414
65°	304	305	315	328	330	300
75°	152	152	156	159	160	163
85°	34	32	31	28	28	40
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1069.2	1069.2	1069.2	1069.2	1069.2
2.5°	1065.0	1065.0	1067.8	1070.6	1072.0
5°	1060.8	1060.8	1065.0	1067.8	1069.2
7.5°	1052.5	1052.5	1058.1	1063.6	1066.4
10°	1039.9	1042.7	1049.7	1058.1	1060.8
12.5°	1026.0	1028.8	1038.5	1049.7	1053.9
15°	1006.5	1010.7	1024.6	1038.5	1044.1
17.5°	985.6	991.1	1007.9	1024.6	1031.6
20°	963.3	968.8	989.7	1009.3	1017.6
22.5°	938.2	945.1	968.8	989.7	998.1
25°	910.3	918.7	942.4	966.0	977.2
27.5°	879.6	889.4	915.9	941.0	950.7
30°	847.6	858.7	885.2	911.7	921.4
32.5°	812.7	822.5	854.5	879.6	889.4
35°	777.9	787.6	818.3	846.2	855.9
37.5°	740.2	752.8	783.4	808.5	818.3
40°	701.2	713.7	743.0	772.3	780.6
42.5°	663.5	674.7	702.6	729.1	737.4
45°	624.5	634.3	662.2	685.9	698.4
47.5°	584.1	593.8	621.7	644.0	651.0
50°	543.7	553.4	577.1	596.6	605.0
52.5°	503.2	513.0	535.3	553.4	561.8
55°	462.8	469.8	490.7	507.4	514.4
57.5°	422.4	428.0	444.7	462.8	467.0
60°	380.6	387.5	402.9	415.4	421.0
62.5°	342.9	345.7	359.7	370.8	377.8
65°	303.9	305.3	315.0	327.6	330.4
67.5°	263.5	264.9	274.6	281.6	284.4
70°	225.8	225.8	232.8	238.4	241.2
72.5°	189.6	188.2	192.4	197.9	200.7
75°	151.9	151.9	156.1	158.9	160.3
77.5°	119.9	117.1	119.9	122.7	122.7
80°	87.8	86.4	86.4	87.8	86.4
82.5°	59.9	58.5	59.9	57.2	55.8
85°	33.5	32.1	30.7	27.9	27.9
87.5°	11.2	9.8	9.8	11.2	11.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)