

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: P257567

Luminaire Tested: **D3X-WO-31L935-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257567
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-31L935-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: 2817.7 lumens
Efficiency: N/A
Efficacy: 92.1 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

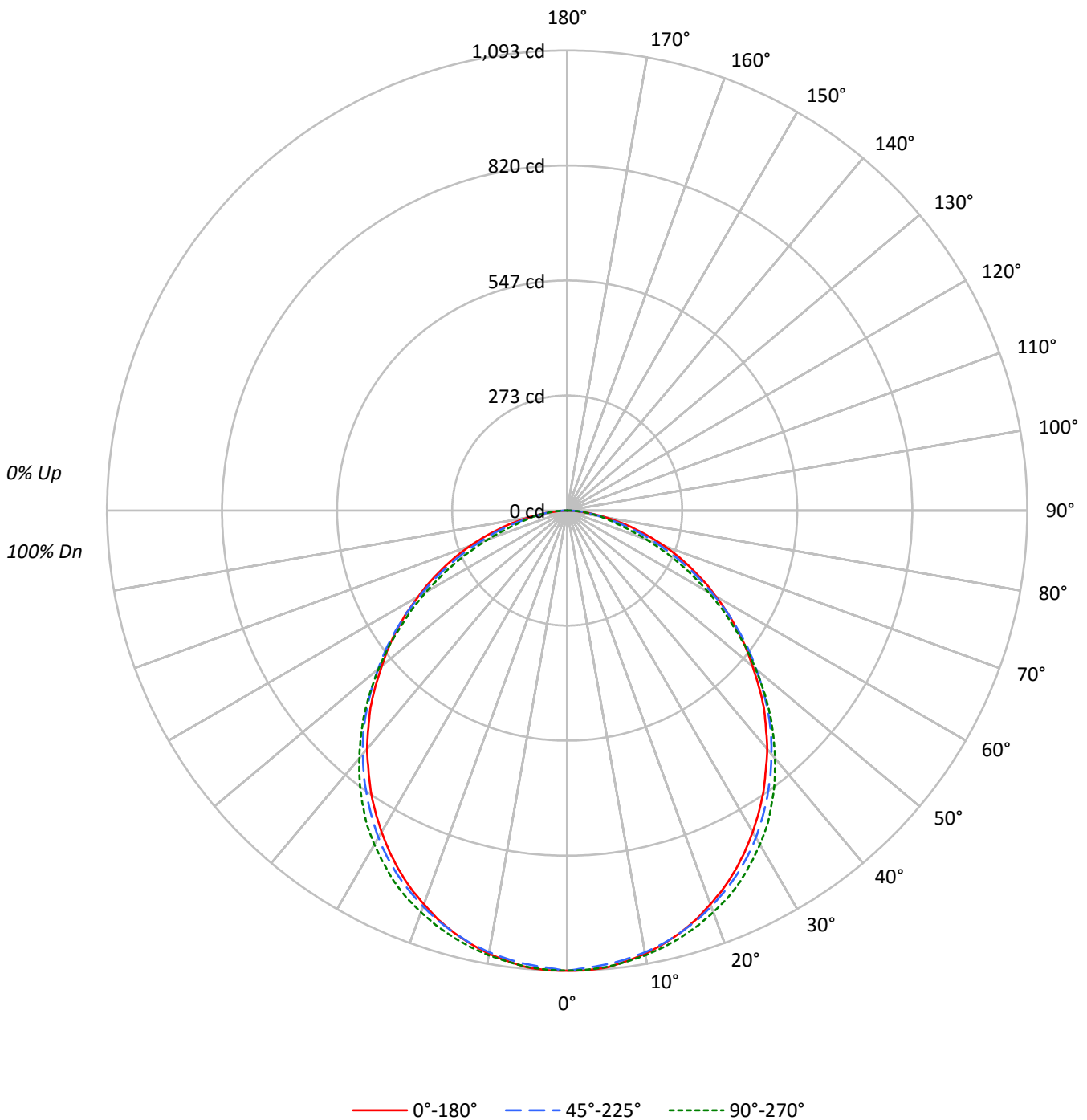
Input Watts (W): 30.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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					100			
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85					85			
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	74	72					72			
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61					61			
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52					52			
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	48	45					45			
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40					40			
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35					35			
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32					32			
9	58	44	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29					29			
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26					26			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2941	2941	2941
5°	2942	2923	2939
10°	2921	2911	2931
15°	2892	2892	2922
20°	2849	2866	2907
25°	2802	2833	2887
30°	2739	2787	2847
35°	2672	2723	2786
40°	2597	2652	2698
45°	2514	2568	2591
50°	2405	2455	2445
55°	2314	2331	2269
60°	2199	2166	2083
65°	2076	1992	1855
70°	1927	1767	1570
75°	1713	1515	1291
80°	1426	1240	1203
85°	1031	1105	1105



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.1	3.7
10°-20°	293.8	10.4
20°-30°	440.3	15.6
30°-40°	518.8	18.4
40°-50°	517.4	18.4
50°-60°	440.1	15.6
60°-70°	307.2	10.9
70°-80°	156.1	5.5
80°-90°	40.7	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°	837.3	29.7
0°-40°	1356.1	48.1
0°-60°	2313.6	82.1
0°-90°	2817.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2817.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1093	1093	1093	1093	1093	
5°	1089	1087	1082	1088	1088	103
15°	1038	1038	1038	1048	1049	293
25°	944	945	954	969	972	434
35°	813	815	829	846	848	508
45°	660	663	675	680	681	508
55°	493	493	497	490	484	441
65°	326	321	313	296	291	323
75°	165	159	146	128	124	175
85°	33	35	36	36	36	41
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1092.9	1092.9	1092.9	1092.9	1092.9
2.5°	1092.9	1091.7	1086.9	1091.7	1091.7
5°	1089.3	1086.9	1082.1	1088.1	1088.1
7.5°	1079.8	1078.6	1075.0	1081.0	1081.0
10°	1069.0	1067.8	1065.4	1072.6	1072.6
12.5°	1054.7	1054.7	1053.5	1060.6	1061.8
15°	1038.0	1038.0	1038.0	1047.5	1048.7
17.5°	1018.8	1017.6	1021.2	1032.0	1033.2
20°	995.0	996.1	1000.9	1012.9	1015.3
22.5°	971.1	972.3	978.2	992.6	996.1
25°	943.6	944.8	954.3	968.7	972.3
27.5°	913.7	916.1	926.9	942.4	944.8
30°	881.5	883.9	897.0	912.5	916.1
32.5°	848.0	851.6	863.6	880.3	885.1
35°	813.4	814.6	828.9	845.7	848.0
37.5°	775.2	778.8	793.1	807.4	809.8
40°	739.3	741.7	754.9	766.8	768.0
42.5°	698.7	702.3	716.7	725.0	725.0
45°	660.5	662.9	674.8	679.6	680.8
47.5°	617.5	619.9	630.7	633.0	633.0
50°	574.5	580.5	586.5	586.5	584.1
52.5°	535.1	536.3	543.5	538.7	536.3
55°	493.3	493.3	496.9	489.7	483.7
57.5°	451.5	451.5	451.5	441.9	437.2
60°	408.5	407.3	402.5	390.6	387.0
62.5°	367.9	364.3	357.1	345.2	338.0
65°	326.1	321.3	312.9	296.2	291.4
67.5°	286.7	278.3	268.7	253.2	244.9
70°	244.9	237.7	224.6	206.6	199.5
72.5°	204.2	197.1	186.3	168.4	157.7
75°	164.8	158.9	145.7	127.8	124.2
77.5°	126.6	123.0	109.9	101.5	100.3
80°	92.0	90.8	80.0	77.6	77.6
82.5°	60.9	59.7	56.1	56.1	54.9
85°	33.4	34.6	35.8	35.8	35.8
87.5°	11.9	14.3	16.7	16.7	16.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)