

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: P258433

Luminaire Tested: **D3X-WG-42L935-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258433
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-42L935-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: 3314.0 lumens
Efficiency: N/A
Efficacy: 106.2 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

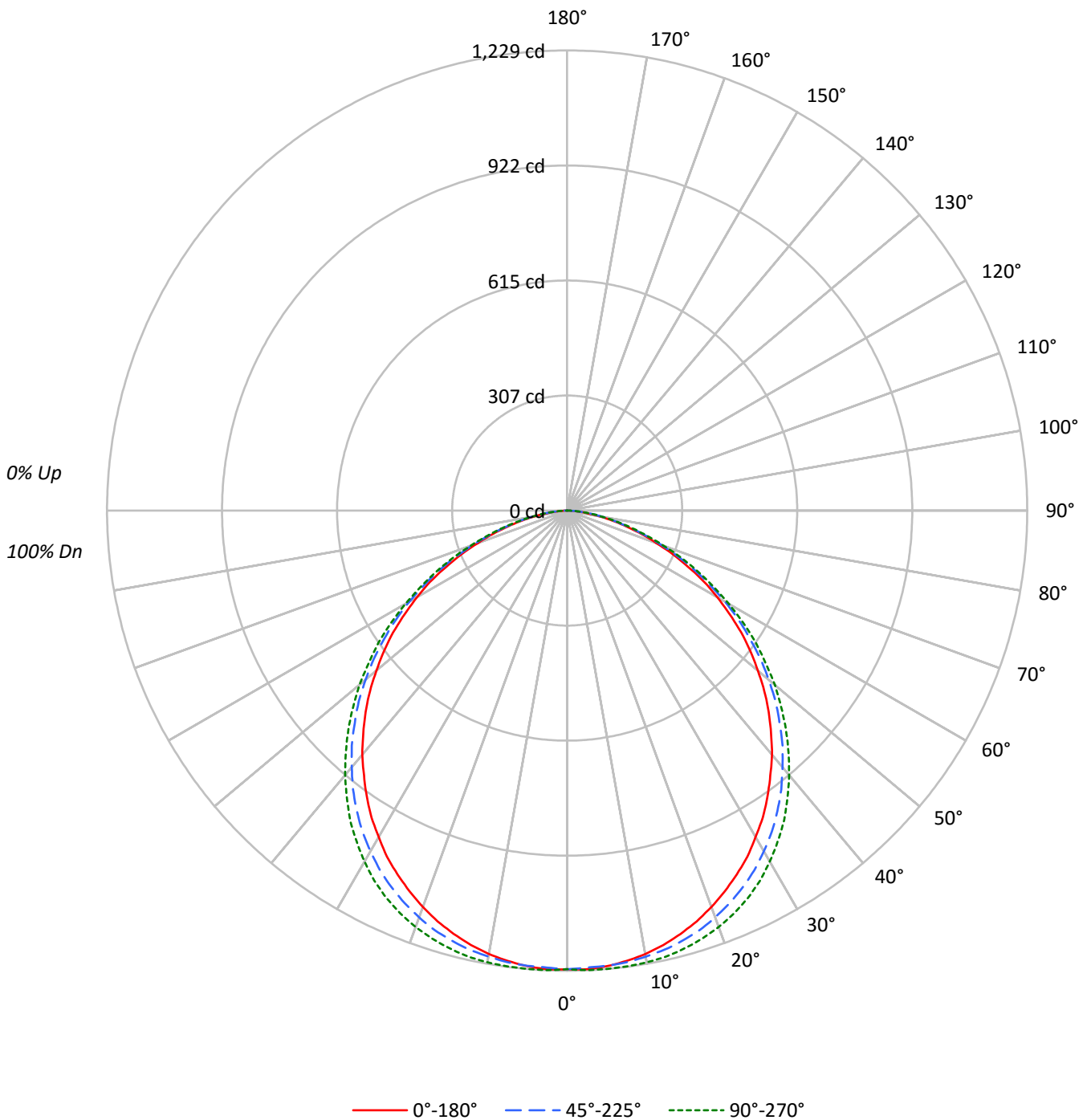
Input Watts (W): 31.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1648	1648	1648
5°	1650	1648	1660
10°	1643	1653	1674
15°	1630	1657	1687
20°	1613	1656	1695
25°	1591	1648	1695
30°	1564	1632	1682
35°	1533	1609	1659
40°	1495	1572	1620
45°	1448	1527	1572
50°	1392	1471	1516
55°	1331	1398	1442
60°	1246	1310	1342
65°	1138	1198	1228
70°	999	1051	1079
75°	845	888	920
80°	672	736	754
85°	459	550	531



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.4	3.5
10°-20°	336.1	10.1
20°-30°	510.7	15.4
30°-40°	609.4	18.4
40°-50°	615.5	18.6
50°-60°	530.3	16.0
60°-70°	369.7	11.2
70°-80°	183.2	5.5
80°-90°	42.7	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°	963.2	29.1
0°-40°	1572.6	47.5
0°-60°	2718.4	82.0
0°-90°	3314.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3314.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1225	1225	1225	1225	1225	
5°	1222	1220	1220	1226	1229	116
15°	1170	1176	1190	1205	1211	330
25°	1072	1086	1110	1132	1142	494
35°	933	948	979	1002	1010	583
45°	761	778	802	822	826	587
55°	568	579	596	610	615	506
65°	357	364	376	380	386	355
75°	163	165	171	174	177	175
85°	30	36	36	33	34	38
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1225.1	1225.1	1225.1	1225.1	1225.1
2.5°	1226.3	1223.9	1221.6	1226.3	1228.7
5°	1221.6	1220.4	1220.4	1226.3	1228.7
7.5°	1213.3	1213.3	1216.8	1225.1	1227.5
10°	1202.6	1204.9	1209.7	1221.6	1225.1
12.5°	1188.3	1193.1	1201.4	1215.6	1220.4
15°	1170.5	1176.5	1189.5	1204.9	1210.9
17.5°	1150.3	1158.6	1175.3	1193.1	1199.0
20°	1126.6	1137.3	1156.3	1176.5	1183.6
22.5°	1100.5	1113.5	1134.9	1156.3	1164.6
25°	1072.0	1086.2	1110.0	1132.5	1142.0
27.5°	1042.3	1056.6	1082.7	1105.2	1114.7
30°	1006.7	1023.3	1050.6	1074.4	1082.7
32.5°	972.3	988.9	1017.4	1038.7	1047.1
35°	933.1	948.5	979.4	1001.9	1010.3
37.5°	891.5	909.3	939.0	959.2	966.3
40°	851.2	866.6	895.1	915.3	922.4
42.5°	806.1	822.7	851.2	869.0	874.9
45°	761.0	777.6	802.5	821.5	826.2
47.5°	714.7	730.1	755.0	770.5	775.2
50°	664.8	679.0	702.8	718.2	724.2
52.5°	617.3	630.4	650.6	663.6	667.2
55°	567.5	579.3	595.9	610.2	614.9
57.5°	514.0	527.1	542.5	554.4	558.0
60°	463.0	473.7	486.7	497.4	498.6
62.5°	413.1	417.9	429.7	439.2	440.4
65°	357.3	364.5	376.3	379.9	385.8
67.5°	306.3	311.0	320.5	325.3	330.0
70°	254.0	257.6	267.1	273.0	274.2
72.5°	208.9	210.1	217.2	222.0	223.2
75°	162.6	165.0	170.9	174.5	176.9
77.5°	123.5	125.8	130.6	133.0	133.0
80°	86.7	90.2	95.0	96.2	97.3
82.5°	55.8	60.5	64.1	65.3	62.9
85°	29.7	35.6	35.6	33.2	34.4
87.5°	10.7	13.1	14.2	15.4	15.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)