

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: P258426

Luminaire Tested: **D3X-WG-36L930-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258426
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-36L930-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (252) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2772.1 lumens
Efficiency: N/A
Efficacy: 104.6 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

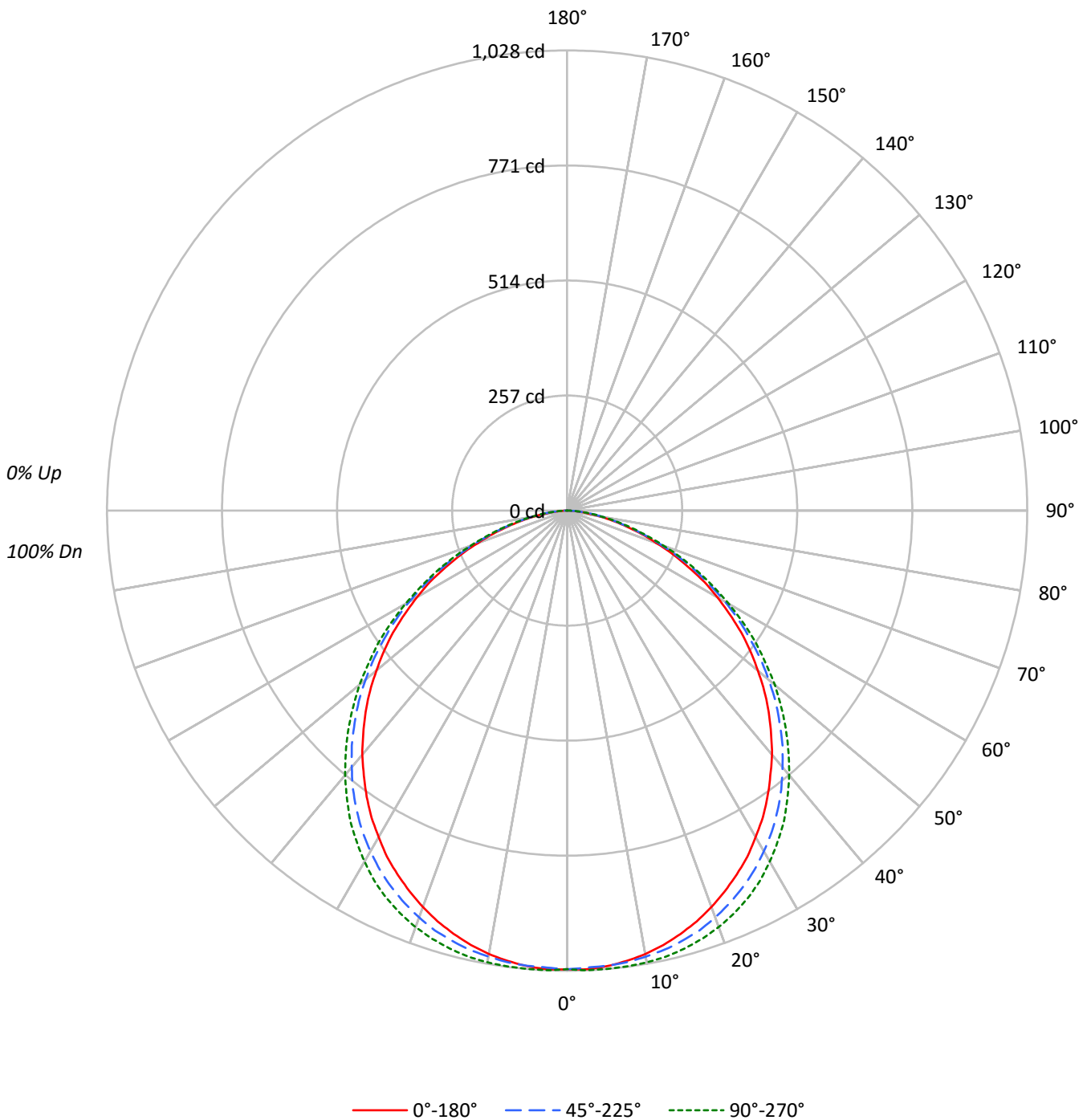
Input Watts (W): 26.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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°	1379	1379	1379
5°	1380	1379	1388
10°	1374	1383	1400
15°	1364	1386	1411
20°	1349	1385	1418
25°	1331	1378	1418
30°	1308	1365	1407
35°	1282	1346	1388
40°	1251	1315	1355
45°	1211	1277	1315
50°	1164	1231	1268
55°	1114	1169	1207
60°	1042	1095	1122
65°	952	1002	1027
70°	836	879	902
75°	707	743	769
80°	562	615	631
85°	383	460	445



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.4	3.5
10°-20°	281.1	10.1
20°-30°	427.2	15.4
30°-40°	509.8	18.4
40°-50°	514.9	18.6
50°-60°	443.6	16.0
60°-70°	309.2	11.2
70°-80°	153.2	5.5
80°-90°	35.7	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°	805.7	29.1
0°-40°	1315.5	47.5
0°-60°	2273.9	82.0
0°-90°	2772.1	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2772.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1025	1025	1025	1025	1025	
5°	1022	1021	1021	1026	1028	97
15°	979	984	995	1008	1013	276
25°	897	909	928	947	955	413
35°	780	793	819	838	845	488
45°	636	650	671	687	691	491
55°	475	485	498	510	514	423
65°	299	305	315	318	323	297
75°	136	138	143	146	148	147
85°	25	30	30	28	29	32
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1024.8	1024.8	1024.8	1024.8	1024.8
2.5°	1025.8	1023.8	1021.8	1025.8	1027.8
5°	1021.8	1020.8	1020.8	1025.8	1027.8
7.5°	1014.9	1014.9	1017.9	1024.8	1026.8
10°	1005.9	1007.9	1011.9	1021.8	1024.8
12.5°	994.0	998.0	1004.9	1016.9	1020.8
15°	979.1	984.1	995.0	1007.9	1012.9
17.5°	962.2	969.2	983.1	998.0	1003.0
20°	942.4	951.3	967.2	984.1	990.1
22.5°	920.5	931.5	949.3	967.2	974.2
25°	896.7	908.6	928.5	947.4	955.3
27.5°	871.9	883.8	905.6	924.5	932.5
30°	842.1	856.0	878.8	898.7	905.6
32.5°	813.3	827.2	851.0	868.9	875.9
35°	780.5	793.4	819.3	838.1	845.1
37.5°	745.8	760.7	785.5	802.4	808.3
40°	712.0	724.9	748.7	765.6	771.6
42.5°	674.3	688.2	712.0	726.9	731.9
45°	636.5	650.4	671.3	687.2	691.2
47.5°	597.8	610.7	631.6	644.5	648.4
50°	556.1	568.0	587.9	600.8	605.7
52.5°	516.4	527.3	544.2	555.1	558.1
55°	474.7	484.6	498.5	510.4	514.4
57.5°	430.0	440.9	453.8	463.7	466.7
60°	387.3	396.2	407.1	416.1	417.1
62.5°	345.6	349.5	359.5	367.4	368.4
65°	298.9	304.9	314.8	317.8	322.7
67.5°	256.2	260.2	268.1	272.1	276.1
70°	212.5	215.5	223.4	228.4	229.4
72.5°	174.8	175.8	181.7	185.7	186.7
75°	136.0	138.0	143.0	146.0	148.0
77.5°	103.3	105.3	109.2	111.2	111.2
80°	72.5	75.5	79.4	80.4	81.4
82.5°	46.7	50.6	53.6	54.6	52.6
85°	24.8	29.8	29.8	27.8	28.8
87.5°	8.9	10.9	11.9	12.9	12.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)