

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: P258363

Luminaire Tested: **D3X-WD-31L940-LD5-UNV-24-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P258363
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-31L940-LD5-UNV-24-T1-STD
Description: CORELITE D3X 2X4 LED LUMINAIRE WITH ROUND PERF
Light Source: (252) 4000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2564.3 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Spacing Criteria (0/90/45): 1.22 / 1.29 / 1.36
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

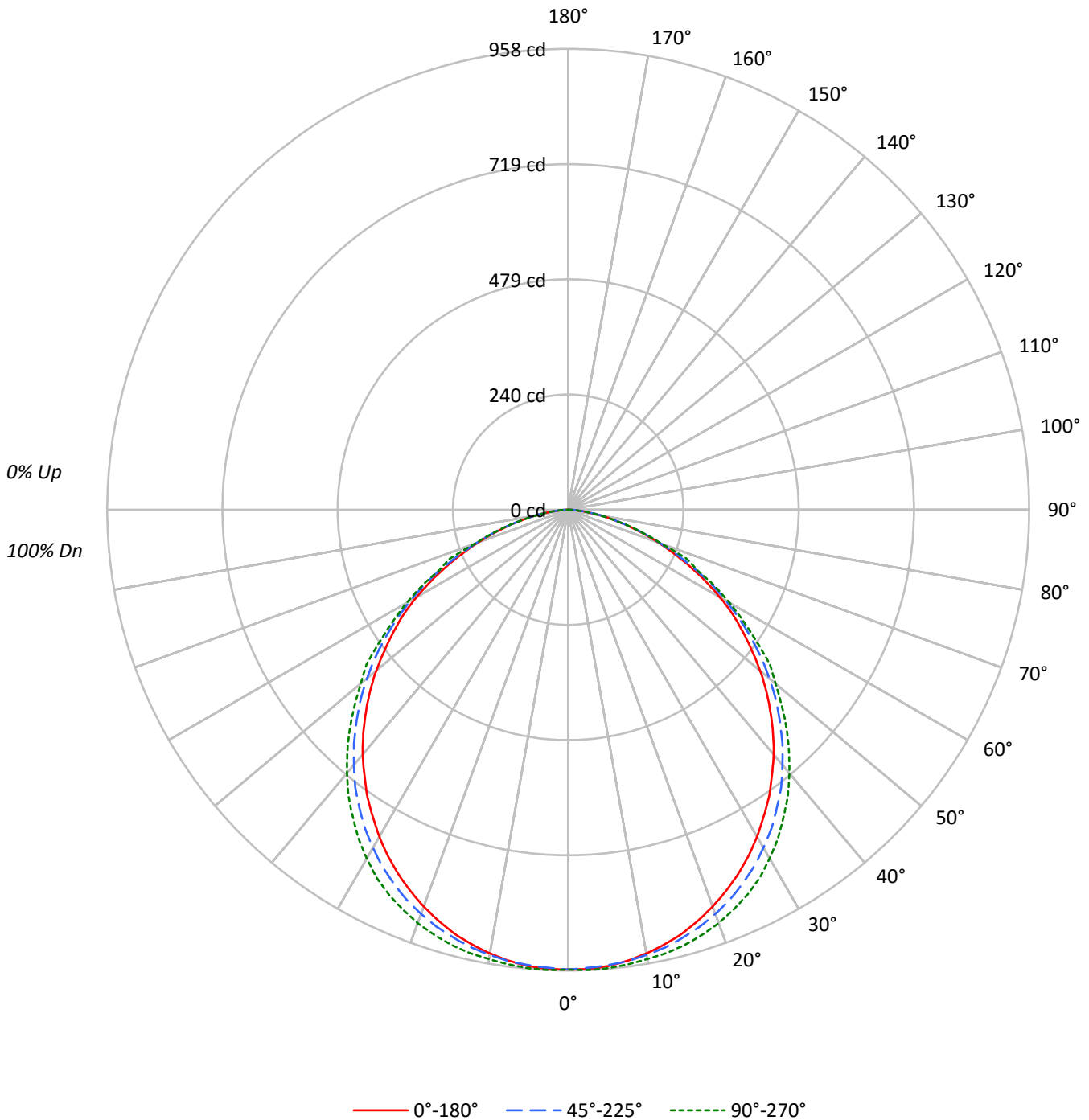
Input Watts (W): 22.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87
2	100	92	85	80	97	90	84	79	87	81	77	83	79	75	80	77	74
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47
6	71	58	49	43	69	57	49	43	55	48	42	54	47	42	52	46	42
7	66	53	44	38	64	52	44	38	50	43	38	49	42	37	48	42	37
8	61	48	40	34	60	47	39	34	46	39	34	45	38	33	44	38	33
9	57	44	36	31	56	44	36	30	42	35	30	41	35	30	40	34	30
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	1286	1286	1286
5°	1286	1284	1292
10°	1280	1283	1296
15°	1271	1283	1305
20°	1257	1280	1309
25°	1240	1273	1310
30°	1219	1261	1301
35°	1195	1242	1282
40°	1167	1217	1256
45°	1131	1184	1220
50°	1090	1142	1177
55°	1040	1088	1120
60°	980	1017	1042
65°	890	920	937
70°	782	800	811
75°	660	670	674
80°	528	535	521
85°	355	369	355



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.6	3.5
10°-20°	260.5	10.2
20°-30°	395.3	15.4
30°-40°	471.9	18.4
40°-50°	477.8	18.6
50°-60°	413.0	16.1
60°-70°	286.2	11.2
70°-80°	138.5	5.4
80°-90°	30.4	1.2
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°	746.4	29.1
0°-40°	1218.3	47.5
0°-60°	2109.1	82.2
0°-90°	2564.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2564.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	956	956	956	956	956	
5°	952	951	950	955	957	90
15°	913	914	921	932	937	257
25°	835	841	858	875	882	385
35°	728	734	756	776	780	455
45°	594	603	622	638	641	458
55°	444	448	464	483	478	396
65°	280	282	289	294	294	277
75°	127	128	129	128	130	136
85°	23	25	24	23	23	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	955.9	955.9	955.9	955.9	955.9
2.5°	955.9	955.0	953.2	955.9	957.8
5°	952.3	951.3	950.4	955.0	956.9
7.5°	945.8	945.8	946.7	951.3	953.2
10°	936.6	937.5	939.4	946.7	948.6
12.5°	925.6	927.4	932.0	940.3	944.0
15°	912.7	914.5	921.0	932.0	936.6
17.5°	896.1	899.8	909.0	921.9	926.5
20°	877.7	882.3	894.3	909.0	914.5
22.5°	857.5	862.1	877.7	893.4	898.9
25°	835.4	840.9	857.5	875.0	882.3
27.5°	811.5	817.9	836.3	854.7	862.1
30°	784.8	792.2	811.5	830.8	837.3
32.5°	756.3	763.7	785.7	804.1	810.6
35°	727.8	734.2	756.3	775.6	780.2
37.5°	695.6	702.9	726.8	743.4	749.8
40°	664.3	671.6	692.8	709.4	714.9
42.5°	630.2	637.6	658.8	674.4	679.0
45°	594.4	602.6	622.0	637.6	641.3
47.5°	558.5	564.9	585.2	599.0	601.7
50°	520.8	527.2	545.6	559.4	562.2
52.5°	481.2	491.3	506.0	516.2	528.1
55°	443.5	448.1	463.7	483.0	477.5
57.5°	405.7	408.5	421.4	429.7	431.5
60°	364.3	368.0	378.1	382.7	387.3
62.5°	321.1	323.9	335.8	340.4	342.3
65°	279.7	282.5	288.9	293.5	294.4
67.5°	237.4	240.1	245.7	249.3	265.9
70°	198.7	200.6	203.3	210.7	206.1
72.5°	161.9	162.9	165.6	165.6	166.5
75°	127.0	127.9	128.8	127.9	129.7
77.5°	94.8	96.6	97.5	96.6	95.7
80°	68.1	69.9	69.0	67.2	67.2
82.5°	44.2	45.1	44.2	43.2	43.2
85°	23.0	24.8	23.9	23.0	23.0
87.5°	8.3	9.2	10.1	11.0	11.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)