

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: P257575

Luminaire Tested: **D3X-WO-40L830-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257575
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-40L830-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE
Light Source: (112) 3000 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4045.9 lumens
Efficiency: N/A
Efficacy: 96.6 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

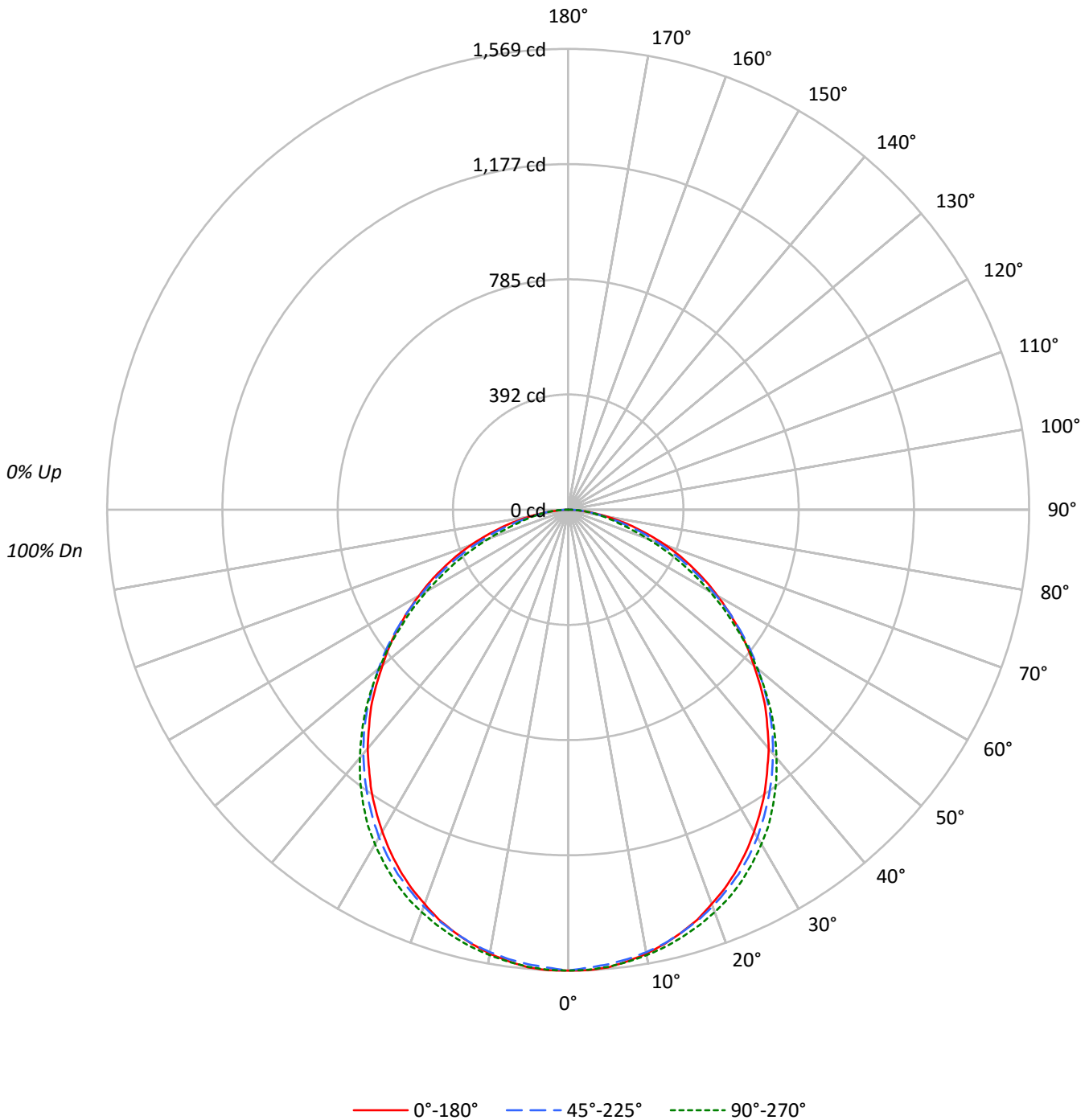
Input Watts (W): 41.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P257575

CATALOG NUMBER: D3X-WO-40L830-LD5-UNV-14-T1-STD

Luminous Intensity Polar Plot





TEST NUMBER: P257575

CATALOG NUMBER: D3X-WO-40L830-LD5-UNV-14-T1-STD

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	72
3	91	81	73	67	89	79	72	66	77	70	65	74	68	64	71	67	63	61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	63	55	49	61	54	49	59	53	48	58	52	48	45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40
7	66	53	44	38	64	52	44	38	51	43	38	49	43	38	48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	4223	4223	4223
5°	4225	4197	4220
10°	4194	4180	4208
15°	4152	4152	4195
20°	4091	4116	4175
25°	4023	4069	4145
30°	3933	4002	4087
35°	3837	3910	4000
40°	3729	3808	3874
45°	3609	3688	3720
50°	3453	3525	3511
55°	3323	3347	3259
60°	3157	3111	2991
65°	2981	2861	2665
70°	2766	2537	2253
75°	2461	2175	1855
80°	2047	1781	1728
85°	1482	1590	1590



TEST NUMBER: P257575

CATALOG NUMBER: D3X-WO-40L830-LD5-UNV-14-T1-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.1	3.7
10°-20°	421.9	10.4
20°-30°	632.3	15.6
30°-40°	744.9	18.4
40°-50°	743.0	18.4
50°-60°	632.0	15.6
60°-70°	441.1	10.9
70°-80°	224.2	5.5
80°-90°	58.6	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°	1202.2	29.7
0°-40°	1947.2	48.1
0°-60°	3322.1	82.1
0°-90°	4045.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4045.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1569	1569	1569	1569	1569	
5°	1564	1561	1554	1562	1562	148
15°	1490	1490	1490	1504	1506	420
25°	1355	1357	1370	1391	1396	624
35°	1168	1170	1190	1214	1218	730
45°	948	952	969	976	978	730
55°	708	708	714	703	695	633
65°	468	461	449	425	418	464
75°	237	228	209	184	178	251
85°	48	50	52	52	52	59
90°	0	0	0	0	0	



TEST NUMBER: P257575

CATALOG NUMBER: D3X-WO-40L830-LD5-UNV-14-T1-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1569.3	1569.3	1569.3	1569.3	1569.3
2.5°	1569.3	1567.6	1560.7	1567.6	1567.6
5°	1564.1	1560.7	1553.8	1562.4	1562.4
7.5°	1550.4	1548.7	1543.5	1552.1	1552.1
10°	1535.0	1533.3	1529.8	1540.1	1540.1
12.5°	1514.4	1514.4	1512.7	1523.0	1524.7
15°	1490.4	1490.4	1490.4	1504.1	1505.8
17.5°	1462.9	1461.2	1466.4	1481.8	1483.5
20°	1428.6	1430.4	1437.2	1454.4	1457.8
22.5°	1394.3	1396.1	1404.6	1425.2	1430.4
25°	1354.9	1356.6	1370.3	1390.9	1396.1
27.5°	1312.0	1315.4	1330.9	1353.2	1356.6
30°	1265.7	1269.1	1288.0	1310.3	1315.4
32.5°	1217.7	1222.8	1240.0	1264.0	1270.9
35°	1168.0	1169.7	1190.2	1214.3	1217.7
37.5°	1113.1	1118.2	1138.8	1159.4	1162.8
40°	1061.6	1065.0	1083.9	1101.1	1102.8
42.5°	1003.3	1008.5	1029.0	1041.0	1041.0
45°	948.4	951.9	969.0	975.9	977.6
47.5°	886.7	890.1	905.5	909.0	909.0
50°	824.9	833.5	842.1	842.1	838.7
52.5°	768.3	770.1	780.3	773.5	770.1
55°	708.3	708.3	713.5	703.2	694.6
57.5°	648.3	648.3	648.3	634.6	627.7
60°	586.5	584.8	578.0	560.8	555.7
62.5°	528.2	523.1	512.8	495.7	485.4
65°	468.2	461.3	449.3	425.3	418.5
67.5°	411.6	399.6	385.9	363.6	351.6
70°	351.6	341.3	322.4	296.7	286.4
72.5°	293.3	283.0	267.5	241.8	226.4
75°	236.7	228.1	209.2	183.5	178.4
77.5°	181.8	176.7	157.8	145.8	144.1
80°	132.1	130.3	114.9	111.5	111.5
82.5°	87.5	85.8	80.6	80.6	78.9
85°	48.0	49.7	51.5	51.5	51.5
87.5°	17.2	20.6	24.0	24.0	24.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)