

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: P257417

Luminaire Tested: **D3X-WG-40L830-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257417
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-6)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-40L830-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (126) 3000 CCT, 80 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3718.2 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.3 / 1.35
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

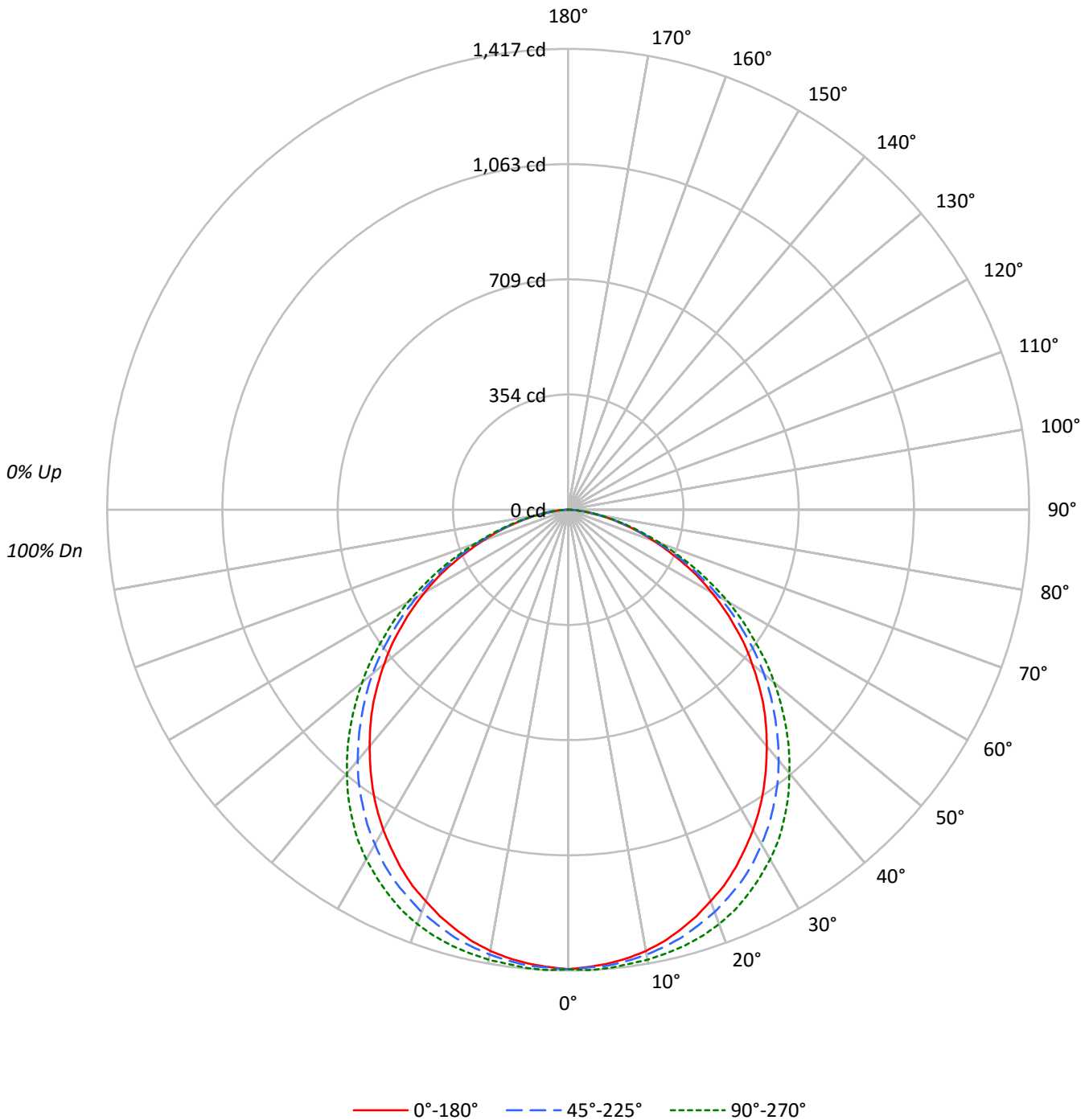
Input Watts (W): 35.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P257417

CATALOG NUMBER: D3X-WG-40L830-LD5-UNV-22-T1-STD

Luminous Intensity Polar Plot





TEST NUMBER: P257417

CATALOG NUMBER: D3X-WG-40L830-LD5-UNV-22-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	96	98	95	93	95	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	73	67	89	80	72	66	77	70	65	74	69	64	71	67	63	61
4	84	72	64	57	82	71	63	57	68	61	56	66	60	55	64	59	54	52
5	77	65	56	49	75	64	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	47	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	28
10	54	41	33	28	53	40	33	28	40	33	28	39	32	28	38	32	28	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3802	3802	3802
5°	3785	3801	3822
10°	3764	3796	3839
15°	3722	3788	3865
20°	3668	3769	3883
25°	3610	3744	3879
30°	3532	3691	3857
35°	3442	3624	3805
40°	3334	3536	3716
45°	3229	3417	3605
50°	3090	3288	3462
55°	2935	3102	3268
60°	2740	2889	3059
65°	2500	2614	2765
70°	2190	2282	2375
75°	1867	1908	1990
80°	1499	1530	1559
85°	1096	1034	976



TEST NUMBER: P257417

CATALOG NUMBER: D3X-WG-40L830-LD5-UNV-22-T1-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	133.8	3.6
10°-20°	383.9	10.3
20°-30°	580.3	15.6
30°-40°	689.3	18.5
40°-50°	692.0	18.6
50°-60°	591.1	15.9
60°-70°	407.2	11.0
70°-80°	197.5	5.3
80°-90°	43.2	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°	1097.9	29.5
0°-40°	1787.2	48.1
0°-60°	3070.3	82.6
0°-90°	3718.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3718.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1413	1413	1413	1413	1413	
5°	1401	1401	1407	1411	1415	133
15°	1336	1342	1360	1378	1387	377
25°	1216	1226	1261	1295	1306	559
35°	1048	1064	1103	1145	1158	655
45°	849	860	898	935	947	653
55°	626	636	661	689	697	559
65°	393	393	410	428	434	389
75°	180	176	184	188	191	193
85°	36	36	34	32	32	43
90°	0	0	0	0	0	



TEST NUMBER: P257417

CATALOG NUMBER: D3X-WG-40L830-LD5-UNV-22-T1-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1413.0	1413.0	1413.0	1413.0	1413.0
2.5°	1407.1	1407.1	1409.1	1415.0	1416.9
5°	1401.2	1401.2	1407.1	1411.0	1415.0
7.5°	1391.3	1393.3	1399.2	1407.1	1409.1
10°	1377.5	1379.5	1389.3	1399.2	1405.1
12.5°	1359.7	1363.7	1375.5	1391.3	1397.2
15°	1336.0	1342.0	1359.7	1377.5	1387.3
17.5°	1310.4	1318.3	1338.0	1363.7	1373.5
20°	1280.8	1290.6	1316.3	1343.9	1355.8
22.5°	1251.2	1259.1	1288.7	1320.2	1334.1
25°	1215.7	1225.5	1261.0	1294.6	1306.4
27.5°	1176.2	1190.0	1227.5	1263.0	1274.9
30°	1136.7	1148.6	1188.0	1227.5	1241.3
32.5°	1093.3	1105.1	1148.6	1188.0	1203.8
35°	1047.9	1063.7	1103.2	1144.6	1158.4
37.5°	998.6	1016.3	1057.8	1093.3	1111.1
40°	949.2	965.0	1006.5	1044.0	1057.8
42.5°	899.9	913.7	953.2	992.7	1004.5
45°	848.6	860.4	897.9	935.4	947.3
47.5°	793.3	807.1	842.7	874.2	888.1
50°	738.1	751.9	785.4	815.0	826.9
52.5°	684.8	692.7	724.3	751.9	765.7
55°	625.6	635.5	661.1	688.7	696.6
57.5°	568.4	574.3	599.9	623.6	635.5
60°	509.2	513.1	536.8	554.5	568.4
62.5°	453.9	453.9	471.7	491.4	499.3
65°	392.7	392.7	410.5	428.2	434.2
67.5°	333.5	337.5	349.3	363.1	367.1
70°	278.3	278.3	290.1	300.0	301.9
72.5°	228.9	226.9	232.9	240.8	244.7
75°	179.6	175.6	183.5	187.5	191.4
77.5°	136.2	134.2	138.1	142.1	142.1
80°	96.7	94.7	98.7	98.7	100.6
82.5°	63.2	65.1	65.1	63.2	61.2
85°	35.5	35.5	33.5	31.6	31.6
87.5°	11.8	11.8	11.8	13.8	13.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)