

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: P257456

Luminaire Tested: **D3X-WG-40L935-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257456
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-3)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WG-40L935-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH RECTANGULAR PERF
Light Source: (112) 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3439.3 lumens
Efficiency: N/A
Efficacy: 82.1 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.29 / 1.36
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

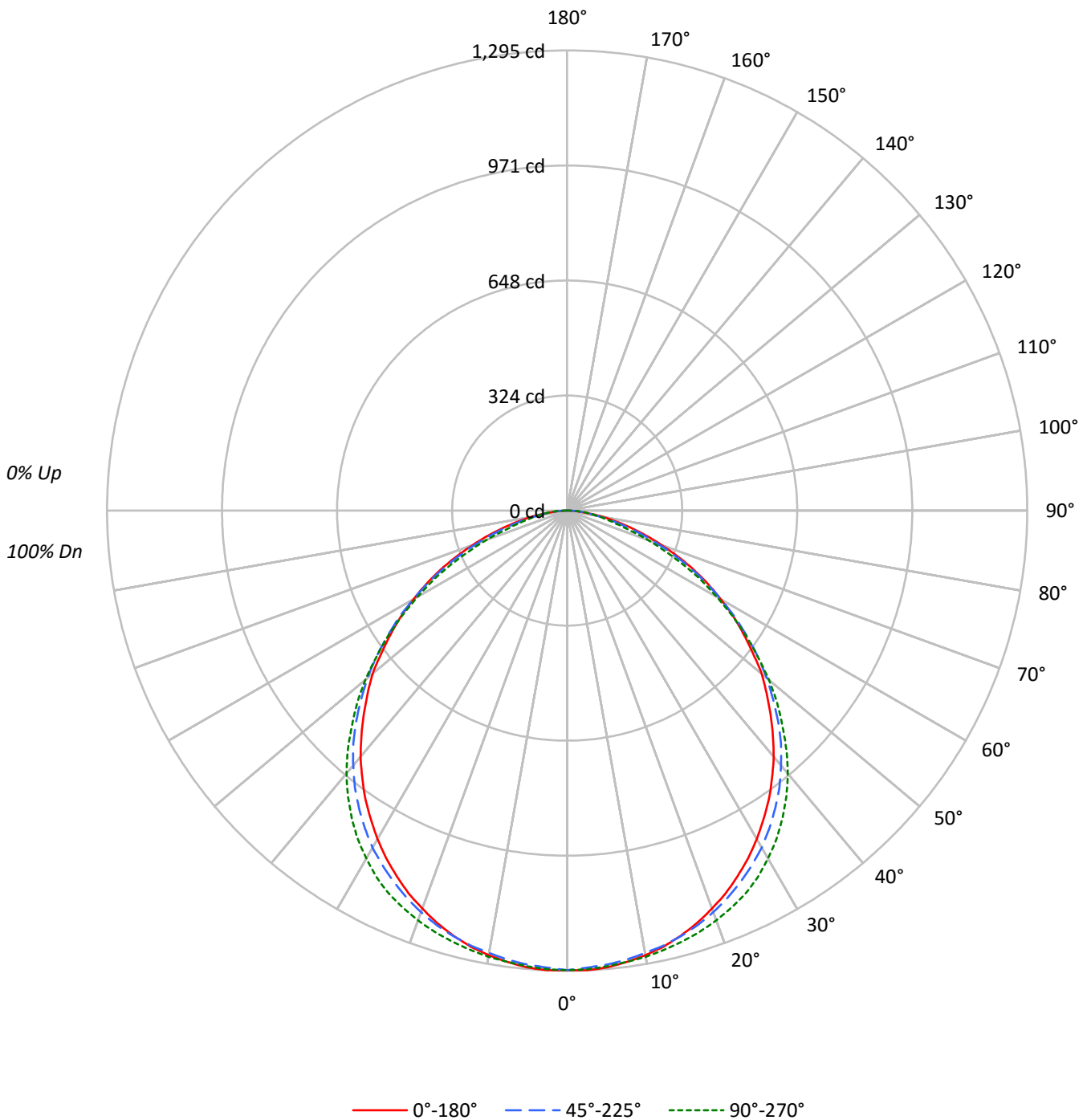
Input Watts (W): 41.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



TEST NUMBER: P257456

CATALOG NUMBER: D3X-WG-40L935-LD5-UNV-14-T1-STD

Luminous Intensity Polar Plot





TEST NUMBER: P257456

CATALOG NUMBER: D3X-WG-40L935-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	96	98	95	93		95	92	90		91	89	87	85
2	100	92	85	80	97	90	84	79	87	82	77		83	79	75		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	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	48		59	53	48		58	52	47	45
6	71	58	49	43	69	57	49	43	55	48	43		54	47	42		52	46	42	40
7	66	53	44	38	64	52	44	38	50	43	38		49	42	37		48	42	37	35
8	62	48	40	34	60	48	40	34	46	39	34		45	38	34		44	38	33	31
9	58	44	36	31	56	44	36	31	43	35	30		41	35	30		40	35	30	28
10	54	41	33	28	53	40	33	28	39	32	28		38	32	28		38	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3481	3481	3481
5°	3486	3465	3477
10°	3471	3454	3484
15°	3449	3453	3496
20°	3413	3444	3515
25°	3370	3425	3530
30°	3317	3403	3512
35°	3254	3355	3471
40°	3177	3290	3393
45°	3079	3196	3260
50°	2994	3071	3103
55°	2843	2901	2886
60°	2690	2690	2616
65°	2497	2439	2301
70°	2215	2117	1912
75°	1919	1743	1471
80°	1573	1359	1334
85°	1044	1235	1331



TEST NUMBER: P257456

CATALOG NUMBER: D3X-WG-40L935-LD5-UNV-14-T1-STD

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.3	3.6
10°-20°	351.0	10.2
20°-30°	533.5	15.5
30°-40°	638.8	18.6
40°-50°	644.3	18.7
50°-60°	548.8	16.0
60°-70°	375.3	10.9
70°-80°	179.7	5.2
80°-90°	45.5	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°	1006.9	29.3
0°-40°	1645.6	47.8
0°-60°	2838.8	82.5
0°-90°	3439.3	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3439.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1294	1294	1294	1294	1294	
5°	1290	1289	1283	1289	1287	122
15°	1238	1235	1240	1254	1255	349
25°	1135	1137	1154	1180	1189	523
35°	990	994	1021	1050	1057	619
45°	809	815	840	857	857	625
55°	606	609	618	620	615	543
65°	392	384	383	369	361	387
75°	185	182	168	146	142	197
85°	34	37	40	42	43	43
90°	0	0	0	0	0	



TEST NUMBER: P257456

CATALOG NUMBER: D3X-WG-40L935-LD5-UNV-14-T1-STD

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1293.5	1293.5	1293.5	1293.5	1293.5
2.5°	1295.0	1293.5	1287.3	1293.5	1291.9
5°	1290.4	1288.8	1282.7	1288.8	1287.3
7.5°	1281.2	1279.6	1275.0	1281.2	1281.2
10°	1270.4	1267.3	1264.2	1273.5	1275.0
12.5°	1256.5	1253.5	1253.5	1264.2	1265.8
15°	1238.1	1235.0	1239.6	1253.5	1255.0
17.5°	1216.6	1215.0	1222.7	1239.6	1242.7
20°	1191.9	1190.4	1202.7	1222.7	1227.3
22.5°	1165.8	1165.8	1179.6	1202.7	1208.9
25°	1135.0	1136.6	1153.5	1179.6	1188.9
27.5°	1102.7	1105.8	1125.8	1155.0	1162.7
30°	1067.4	1072.0	1095.1	1122.7	1130.4
32.5°	1028.9	1033.5	1059.7	1088.9	1096.6
35°	990.5	993.5	1021.2	1050.5	1056.6
37.5°	947.4	952.0	981.2	1007.4	1013.5
40°	904.3	909.0	936.6	961.2	965.9
42.5°	856.7	862.8	890.5	910.5	913.6
45°	809.0	815.1	839.7	856.7	856.7
47.5°	761.3	764.4	785.9	802.8	801.3
50°	715.2	713.6	733.6	741.3	741.3
52.5°	658.3	662.9	676.7	681.3	676.7
55°	606.0	609.0	618.3	619.8	615.2
57.5°	555.2	553.7	561.4	556.8	550.6
60°	499.8	499.8	499.8	495.2	486.0
62.5°	446.0	442.9	441.4	430.6	426.0
65°	392.2	384.5	383.0	369.1	361.4
67.5°	335.3	332.2	324.5	310.7	296.8
70°	281.5	278.4	269.1	252.2	243.0
72.5°	232.2	229.2	216.9	196.9	184.6
75°	184.6	181.5	167.6	146.1	141.5
77.5°	140.0	138.4	124.6	113.8	112.3
80°	101.5	100.0	87.7	87.7	86.1
82.5°	64.6	64.6	61.5	63.1	64.6
85°	33.8	36.9	40.0	41.5	43.1
87.5°	10.8	16.9	20.0	21.5	20.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)