

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: P257304

Luminaire Tested: **D3X-WD-44L935-LD5-UNV-22-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257304
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-44L935-LD5-UNV-22-T1-STD
Description: CORELITE D3X 2X2 LED LUMINAIRE WITH ROUND PERF
Light Source: (126) 3500 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3533.0 lumens
Efficiency: N/A
Efficacy: 89.2 lumens/watt
Spacing Criteria (0/90/45): 1.21 / 1.32 / 1.37
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

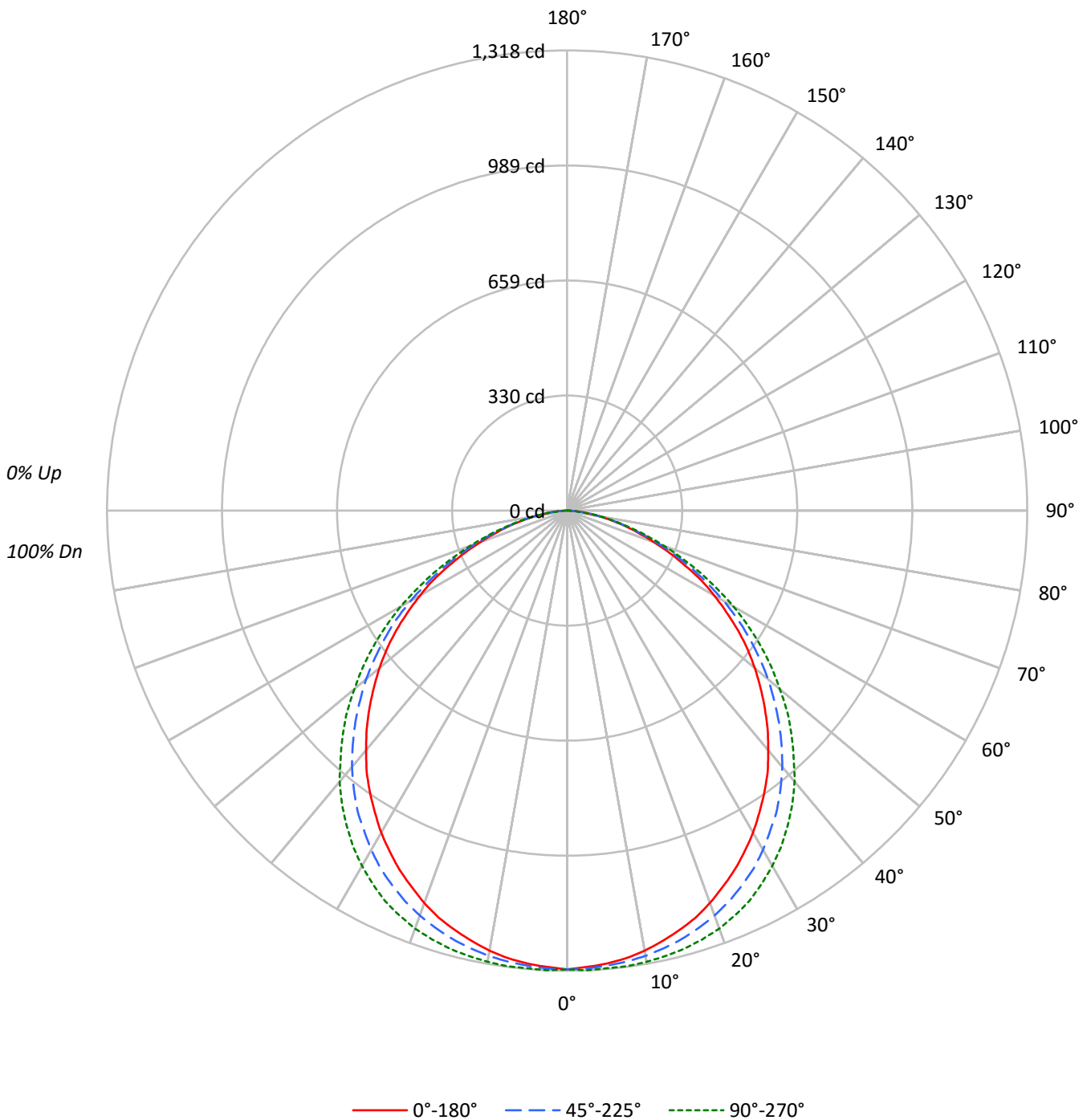
Input Watts (W): 39.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	96	98	95	93	95	92	90	91	89	87	85
2	100	92	85	80	97	90	84	79	87	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	63	57	81	71	63	57	68	61	56	66	60	55	64	59	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	48	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	31	42	35	30	41	35	30	40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	28	38	32	27	37	32	27	26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3536	3536	3536
5°	3519	3534	3555
10°	3497	3539	3586
15°	3465	3539	3619
20°	3426	3534	3649
25°	3371	3518	3665
30°	3309	3486	3652
35°	3236	3442	3617
40°	3146	3367	3561
45°	3047	3264	3459
50°	2938	3145	3328
55°	2801	2989	3176
60°	2620	2784	2968
65°	2373	2519	2676
70°	2094	2199	2319
75°	1800	1839	1918
80°	1444	1474	1503
85°	1056	939	939



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	124.5	3.5
10°-20°	358.7	10.2
20°-30°	545.6	15.4
30°-40°	652.8	18.5
40°-50°	659.9	18.7
50°-60°	567.9	16.1
60°-70°	392.1	11.1
70°-80°	190.1	5.4
80°-90°	41.2	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°	1028.9	29.1
0°-40°	1681.7	47.6
0°-60°	2909.6	82.4
0°-90°	3533.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3533.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1314	1314	1314	1314	1314	
5°	1303	1305	1308	1314	1316	124
15°	1244	1251	1270	1289	1299	351
25°	1135	1149	1185	1221	1234	523
35°	985	1002	1048	1086	1101	616
45°	801	816	858	894	909	618
55°	597	607	637	666	677	532
65°	373	378	396	413	420	371
75°	173	169	177	183	184	184
85°	34	34	30	30	30	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1314.1	1314.1	1314.1	1314.1	1314.1
2.5°	1308.4	1308.4	1312.2	1316.0	1317.9
5°	1302.7	1304.6	1308.4	1314.1	1316.0
7.5°	1293.2	1295.1	1302.7	1312.2	1316.0
10°	1279.8	1283.6	1295.1	1306.5	1312.2
12.5°	1262.7	1270.3	1283.6	1298.9	1306.5
15°	1243.7	1251.3	1270.3	1289.4	1298.9
17.5°	1222.8	1230.4	1253.2	1277.9	1287.5
20°	1196.2	1207.6	1234.2	1262.7	1274.1
22.5°	1165.7	1181.0	1211.4	1241.8	1255.1
25°	1135.3	1148.6	1184.8	1220.9	1234.2
27.5°	1101.1	1116.3	1156.2	1192.4	1205.7
30°	1065.0	1080.2	1122.0	1161.9	1175.3
32.5°	1025.0	1044.0	1084.0	1125.8	1141.0
35°	985.1	1002.2	1047.8	1085.9	1101.1
37.5°	943.2	958.5	1004.1	1044.0	1059.2
40°	895.7	912.8	958.5	998.4	1013.6
42.5°	850.1	867.2	909.0	947.0	960.4
45°	800.6	815.8	857.7	893.8	909.0
47.5°	751.2	768.3	804.4	840.6	855.8
50°	701.7	715.0	751.2	785.4	794.9
52.5°	650.4	661.8	694.1	724.5	737.9
55°	597.1	606.6	637.1	665.6	677.0
57.5°	540.1	551.5	580.0	600.9	614.2
60°	486.8	492.5	517.3	538.2	551.5
62.5°	433.6	435.5	454.5	475.4	483.0
65°	372.7	378.4	395.6	412.7	420.3
67.5°	317.6	323.3	336.6	349.9	355.6
70°	266.2	266.2	279.5	289.1	294.8
72.5°	214.9	216.8	226.3	232.0	237.7
75°	173.1	169.3	176.9	182.6	184.5
77.5°	129.3	127.4	133.1	135.0	138.8
80°	93.2	93.2	95.1	97.0	97.0
82.5°	60.9	60.9	62.8	59.0	57.1
85°	34.2	34.2	30.4	30.4	30.4
87.5°	11.4	11.4	11.4	13.3	11.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)