

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: P257332

Luminaire Tested: **D3X-WD-40L930-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257332
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1806-819-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: CORELITE
Catalog Number: D3X-WD-40L930-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE WITH ROUND PERF
Light Source: (112) 3000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3322.4 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Spacing Criteria (0/90/45): 1.23 / 1.34 / 1.39
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

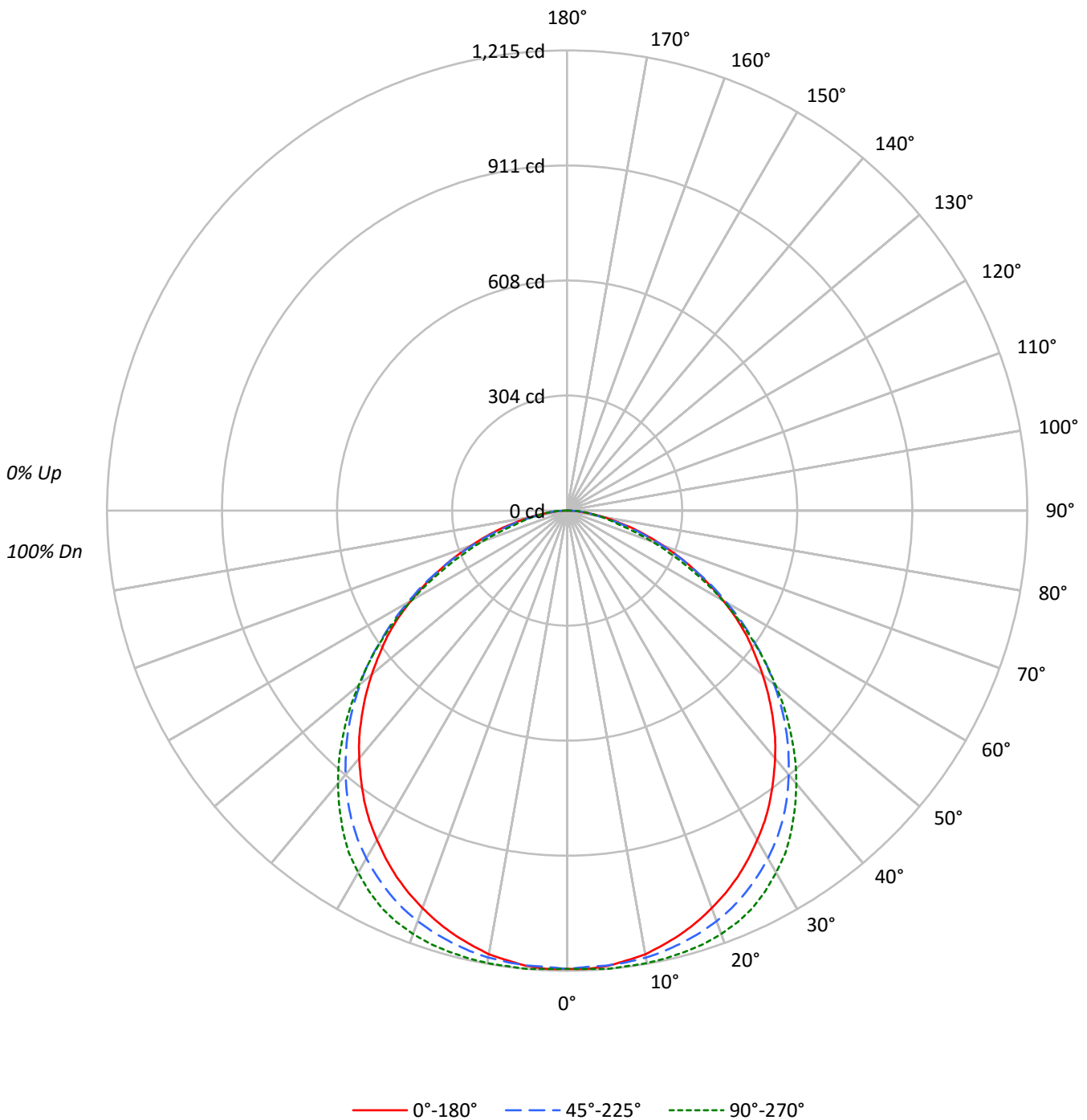
Input Watts (W): 41.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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	71
3	91	81	73	67	89	79	72	66	76	70	65		74	68	64		71	67	63	61
4	84	72	63	57	81	71	63	56	68	61	56		66	60	55		64	58	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	30	42	35	30		41	35	30		40	34	30	28
10	54	41	33	28	53	40	33	28	39	32	27		38	32	27		37	31	27	25

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3257	3257	3257
5°	3261	3257	3281
10°	3250	3274	3315
15°	3227	3289	3359
20°	3198	3304	3406
25°	3166	3307	3439
30°	3120	3295	3429
35°	3069	3264	3391
40°	3001	3199	3308
45°	2918	3110	3183
50°	2819	2986	3011
55°	2721	2825	2811
60°	2562	2618	2554
65°	2361	2370	2238
70°	2112	2065	1879
75°	1835	1711	1449
80°	1471	1333	1333
85°	1053	1235	1281



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.1	3.5
10°-20°	334.1	10.1
20°-30°	512.9	15.4
30°-40°	617.8	18.6
40°-50°	624.3	18.8
50°-60°	532.5	16.0
60°-70°	364.5	11.0
70°-80°	175.9	5.3
80°-90°	45.3	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°	962.1	29.0
0°-40°	1579.9	47.6
0°-60°	2736.6	82.4
0°-90°	3322.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3322.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1210	1210	1210	1210	1210	
5°	1207	1207	1206	1213	1215	115
15°	1158	1167	1180	1201	1206	327
25°	1066	1083	1114	1146	1158	491
35°	934	955	994	1025	1032	584
45°	767	788	817	836	836	591
55°	580	590	602	605	599	516
65°	371	375	372	359	352	368
75°	176	176	165	145	139	187
85°	34	37	40	42	42	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1210.2	1210.2	1210.2	1210.2	1210.2
2.5°	1211.6	1210.2	1205.7	1211.6	1211.6
5°	1207.2	1207.2	1205.7	1213.1	1214.6
7.5°	1198.3	1201.3	1202.7	1211.6	1213.1
10°	1189.4	1192.4	1198.3	1210.2	1213.1
12.5°	1174.6	1180.5	1190.9	1207.2	1210.2
15°	1158.2	1167.1	1180.5	1201.3	1205.7
17.5°	1139.0	1150.8	1168.6	1192.4	1199.8
20°	1116.7	1130.1	1153.8	1180.5	1189.4
22.5°	1093.0	1107.8	1136.0	1167.1	1176.0
25°	1066.3	1082.6	1113.8	1146.4	1158.2
27.5°	1036.6	1054.4	1088.5	1122.7	1133.0
30°	1004.0	1023.3	1060.4	1094.5	1103.4
32.5°	971.4	990.7	1029.2	1061.9	1072.2
35°	934.3	955.1	993.6	1024.8	1032.2
37.5°	894.3	915.0	953.6	984.7	987.7
40°	854.2	875.0	910.6	938.8	941.7
42.5°	812.7	832.0	864.6	888.3	891.3
45°	766.7	787.5	817.2	836.4	836.4
47.5°	720.8	741.5	766.7	780.1	780.1
50°	673.3	692.6	713.3	720.8	719.3
52.5°	625.8	643.6	661.4	662.9	659.9
55°	579.9	590.2	602.1	605.1	599.1
57.5°	529.4	538.3	545.8	541.3	536.9
60°	476.1	485.0	486.4	479.0	474.6
62.5°	424.1	431.6	431.6	419.7	412.3
65°	370.8	375.2	372.2	358.9	351.5
67.5°	320.3	323.3	317.4	304.0	292.2
70°	268.4	269.9	262.5	246.2	238.8
72.5°	221.0	222.5	213.6	194.3	185.4
75°	176.5	176.5	164.6	145.3	139.4
77.5°	132.0	136.4	123.1	112.7	112.7
80°	94.9	99.4	86.0	87.5	86.0
82.5°	62.3	66.7	62.3	62.3	62.3
85°	34.1	37.1	40.0	41.5	41.5
87.5°	10.4	17.8	19.3	20.8	23.7
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)