

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: P257574

Luminaire Tested: **D3X-WO-35L940-LD5-UNV-14-T1-STD**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P257574
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-35L940-LD5-UNV-14-T1-STD
Description: CORELITE D3X 1X4 LED LUMINAIRE
Light Source: (112) 4000 CCT, 90 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3279.6 lumens
Efficiency: N/A
Efficacy: 92.1 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

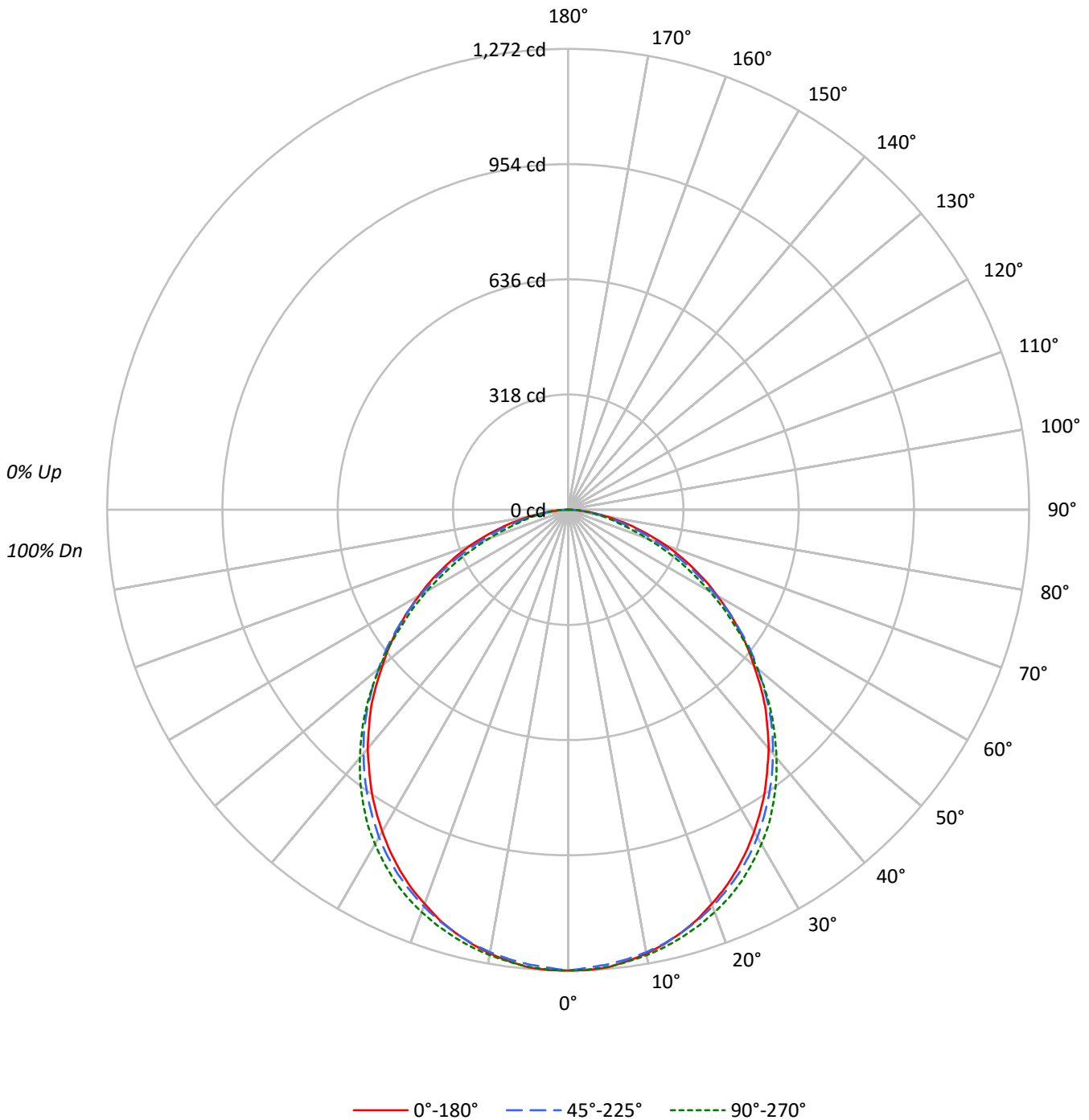
Input Watts (W): 35.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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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	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°	3423	3423	3423
5°	3425	3402	3421
10°	3400	3389	3411
15°	3366	3366	3400
20°	3316	3336	3384
25°	3261	3298	3360
30°	3188	3244	3313
35°	3110	3169	3242
40°	3023	3086	3140
45°	2926	2989	3016
50°	2799	2858	2846
55°	2694	2713	2641
60°	2559	2521	2424
65°	2416	2319	2160
70°	2242	2057	1827
75°	1994	1763	1503
80°	1658	1443	1401
85°	1201	1288	1288



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.0	3.7
10°-20°	342.0	10.4
20°-30°	512.5	15.6
30°-40°	603.8	18.4
40°-50°	602.2	18.4
50°-60°	512.3	15.6
60°-70°	357.5	10.9
70°-80°	181.7	5.5
80°-90°	47.5	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°	974.5	29.7
0°-40°	1578.3	48.1
0°-60°	2692.9	82.1
0°-90°	3279.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3279.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1272	1272	1272	1272	1272	
5°	1268	1265	1260	1266	1266	120
15°	1208	1208	1208	1219	1221	341
25°	1098	1100	1111	1128	1132	506
35°	947	948	965	984	987	591
45°	769	772	786	791	792	591
55°	574	574	578	570	563	513
65°	380	374	364	345	339	376
75°	192	185	170	149	145	204
85°	39	40	42	42	42	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1272.0	1272.0	1272.0	1272.0	1272.0
2.5°	1272.0	1270.6	1265.1	1270.6	1270.6
5°	1267.9	1265.1	1259.5	1266.5	1266.5
7.5°	1256.7	1255.4	1251.2	1258.1	1258.1
10°	1244.2	1242.8	1240.1	1248.4	1248.4
12.5°	1227.6	1227.6	1226.2	1234.5	1235.9
15°	1208.1	1208.1	1208.1	1219.2	1220.6
17.5°	1185.8	1184.5	1188.6	1201.1	1202.5
20°	1158.0	1159.4	1165.0	1178.9	1181.7
22.5°	1130.2	1131.6	1138.6	1155.3	1159.4
25°	1098.3	1099.7	1110.8	1127.5	1131.6
27.5°	1063.5	1066.3	1078.8	1096.9	1099.7
30°	1026.0	1028.8	1044.0	1062.1	1066.3
32.5°	987.0	991.2	1005.1	1024.6	1030.1
35°	946.7	948.1	964.8	984.3	987.0
37.5°	902.2	906.4	923.1	939.8	942.6
40°	860.5	863.3	878.6	892.5	893.9
42.5°	813.3	817.4	834.1	843.9	843.9
45°	768.8	771.6	785.5	791.0	792.4
47.5°	718.7	721.5	734.0	736.8	736.8
50°	668.7	675.6	682.6	682.6	679.8
52.5°	622.8	624.2	632.5	627.0	624.2
55°	574.2	574.2	578.3	570.0	563.0
57.5°	525.5	525.5	525.5	514.4	508.8
60°	475.4	474.1	468.5	454.6	450.4
62.5°	428.2	424.0	415.7	401.8	393.4
65°	379.5	374.0	364.2	344.8	339.2
67.5°	333.6	323.9	312.8	294.7	285.0
70°	285.0	276.7	261.4	240.5	232.2
72.5°	237.7	229.4	216.9	196.0	183.5
75°	191.8	184.9	169.6	148.8	144.6
77.5°	147.4	143.2	127.9	118.2	116.8
80°	107.0	105.7	93.1	90.4	90.4
82.5°	70.9	69.5	65.3	65.3	63.9
85°	38.9	40.3	41.7	41.7	41.7
87.5°	13.9	16.7	19.5	19.5	19.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)