

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: CORELITE

Report Number: P601107

Luminaire Tested: 22D3X-LP-40-L930

Issue Date: 10/5/2023

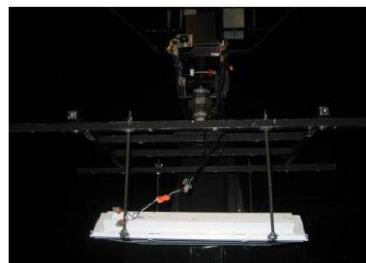
Test Information

Test Method: LM-79-2019
Report Number: P601107
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-104-1)
Test Lab: INNOVATION CENTER
Issue Date: 10/5/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22D3X-LP-40-L930
Description: 2x2 D3X-LP AT 4000LM 3000K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

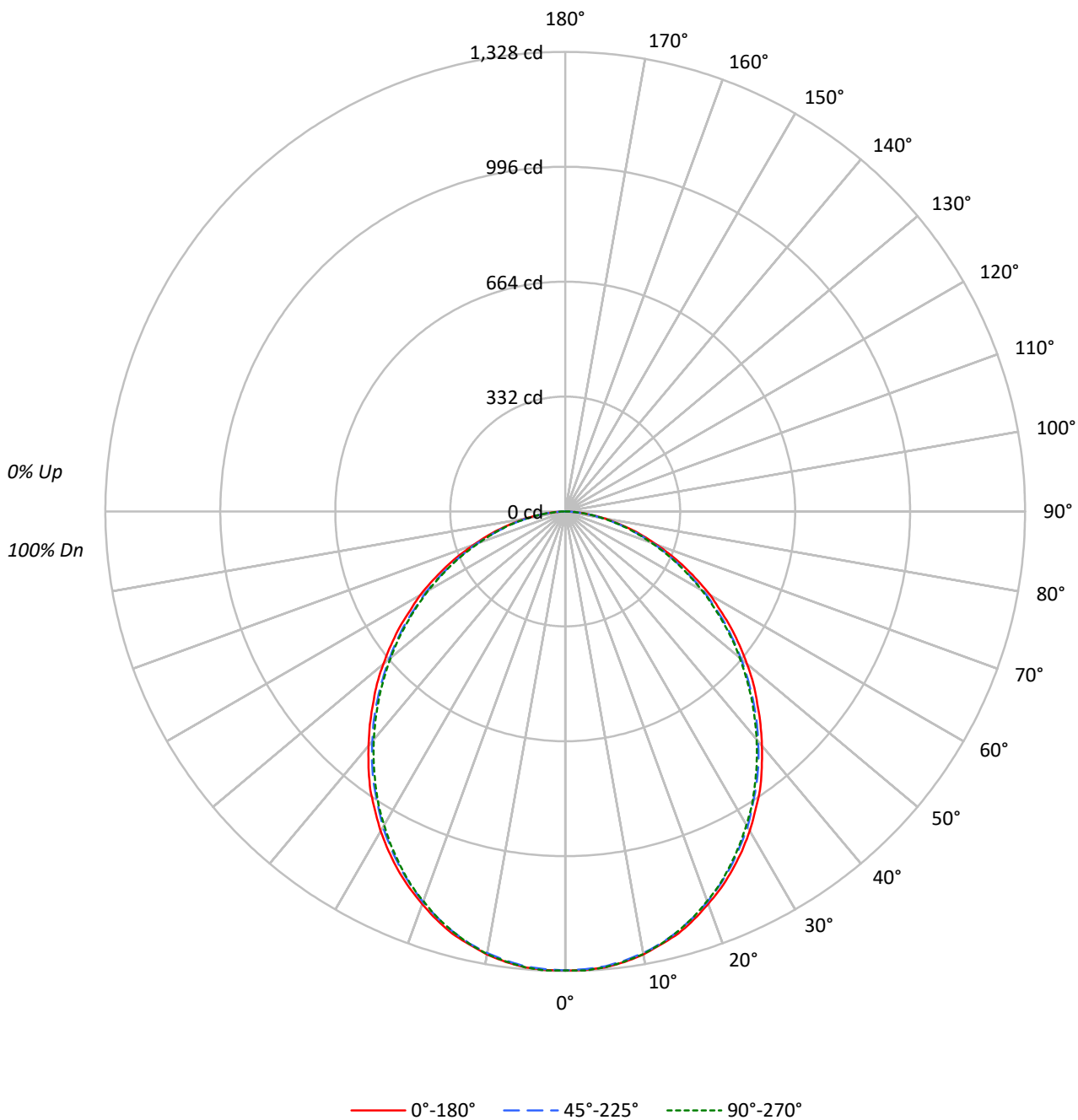
Lumens per Lamp: N/A
Luminaire Lumens: 3314.0 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 32.6
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: 24 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	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
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	102	99	95	98	95	92	94	92	89	91	89	87	85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71
3	91	81	73	67	89	79	72	66	76	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	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	65	52	44	38	51	43	38	49	43	38	48	42	37	36
8	62	49	40	34	60	48	40	34	47	39	34	45	39	34	44	38	34	32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	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°	3569	3569	3569
5°	3572	3565	3572
10°	3552	3541	3548
15°	3518	3500	3500
20°	3457	3438	3431
25°	3393	3361	3349
30°	3312	3271	3251
35°	3224	3163	3142
40°	3104	3044	3021
45°	2986	2915	2890
50°	2870	2776	2754
55°	2739	2640	2603
60°	2602	2488	2453
65°	2422	2304	2280
70°	2214	2131	2079
75°	2019	1895	1909
80°	1740	1638	1658
85°	1346	1306	1223

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2986 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	125.3	3.8
10°-20°	354.2	10.7
20°-30°	521.7	15.7
30°-40°	603.5	18.2
40°-50°	593.3	17.9
50°-60°	505.6	15.3
60°-70°	362.3	10.9
70°-80°	196.8	5.9
80°-90°	51.3	1.5
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°	1001.2	30.2
0°-40°	1604.7	48.4
0°-60°	2703.6	81.6
0°-90°	3314.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3314.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1326	1326	1326	1326	1326	
5°	1322	1320	1320	1320	1322	125
15°	1263	1258	1256	1255	1256	355
25°	1143	1137	1132	1129	1128	526
35°	981	974	963	958	956	612
45°	785	779	766	760	760	606
55°	584	573	563	556	555	521
65°	380	372	362	358	358	377
75°	194	188	182	180	184	205
85°	44	44	42	41	40	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1326.2	1326.2	1326.2	1326.2	1326.2
2.5°	1326.2	1324.9	1323.5	1324.9	1327.5
5°	1322.2	1319.6	1319.6	1319.6	1322.2
7.5°	1313.0	1310.3	1309.0	1310.3	1311.7
10°	1299.8	1297.1	1295.8	1297.1	1298.4
12.5°	1281.3	1279.9	1278.6	1278.6	1279.9
15°	1262.8	1257.5	1256.2	1254.9	1256.2
17.5°	1236.4	1235.0	1229.8	1229.8	1229.8
20°	1207.3	1204.7	1200.7	1198.1	1198.1
22.5°	1176.9	1174.3	1167.7	1165.0	1166.4
25°	1142.6	1137.3	1132.0	1129.4	1128.0
27.5°	1105.6	1100.3	1092.4	1088.4	1088.4
30°	1066.0	1062.0	1052.8	1047.5	1046.2
32.5°	1022.4	1019.7	1006.5	1003.9	1003.9
35°	981.4	973.5	962.9	957.7	956.3
37.5°	932.6	927.3	916.7	910.1	908.8
40°	883.7	877.1	866.5	861.2	859.9
42.5°	834.8	828.2	817.6	811.0	809.7
45°	784.6	779.3	766.1	759.5	759.5
47.5°	737.1	726.5	714.6	709.3	708.0
50°	685.5	676.3	663.1	657.8	657.8
52.5°	634.0	627.4	612.9	610.3	607.6
55°	583.8	573.3	562.7	556.1	554.8
57.5°	529.7	520.4	509.9	504.6	504.6
60°	483.4	471.6	462.3	455.7	455.7
62.5°	430.6	420.0	410.8	406.8	405.5
65°	380.4	372.5	361.9	358.0	358.0
67.5°	330.2	323.6	314.4	310.4	311.7
70°	281.4	277.4	270.8	265.5	264.2
72.5°	236.4	231.2	224.6	223.2	223.2
75°	194.2	187.6	182.3	179.6	183.6
77.5°	150.6	146.6	144.0	142.7	144.0
80°	112.3	107.0	105.7	107.0	107.0
82.5°	77.9	75.3	74.0	74.0	74.0
85°	43.6	43.6	42.3	40.9	39.6
87.5°	17.2	17.2	18.5	18.5	19.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)