

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: P601103

Luminaire Tested: 22D3X-LP-35-L940

Issue Date: 10/5/2023

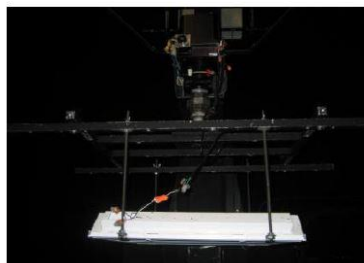
Test Information

Test Method: LM-79-2019
Report Number: P601103
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-35-L940
Description: 2x2 D3X-LP AT 3500LM 4000K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

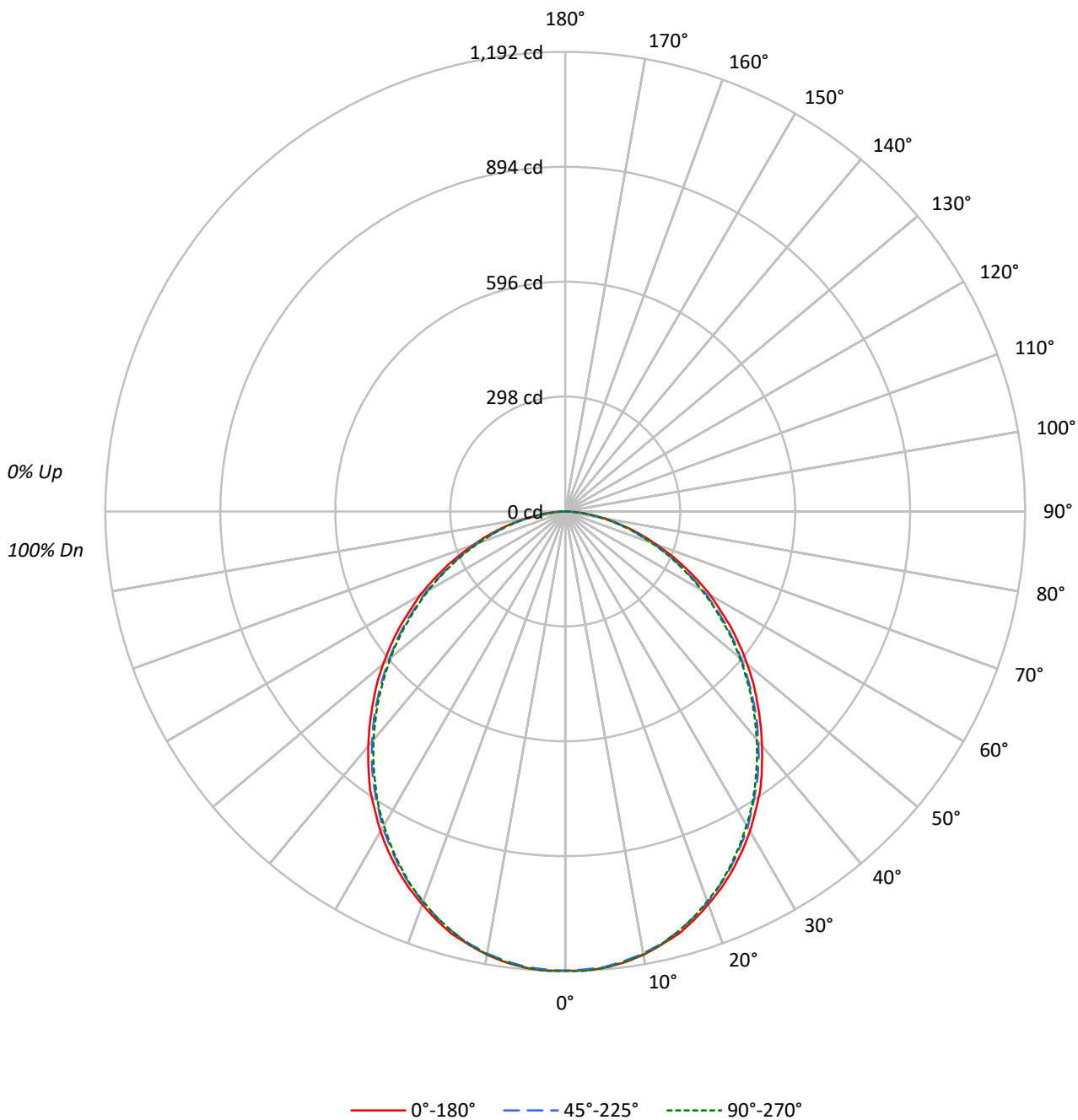
Lumens per Lamp: N/A
Luminaire Lumens: 2977.0 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 28.8
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	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	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°	3206	3206	3206
5°	3209	3202	3209
10°	3190	3181	3187
15°	3160	3144	3144
20°	3106	3089	3082
25°	3048	3019	3009
30°	2976	2939	2920
35°	2896	2842	2822
40°	2788	2734	2714
45°	2682	2619	2597
50°	2578	2494	2474
55°	2461	2372	2338
60°	2337	2235	2203
65°	2176	2070	2048
70°	1988	1913	1867
75°	1813	1702	1714
80°	1564	1471	1489
85°	1210	1173	1099

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2682 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.5	3.8
10°-20°	318.2	10.7
20°-30°	468.6	15.7
30°-40°	542.1	18.2
40°-50°	533.0	17.9
50°-60°	454.2	15.3
60°-70°	325.4	10.9
70°-80°	176.8	5.9
80°-90°	46.1	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°	899.4	30.2
0°-40°	1441.5	48.4
0°-60°	2428.7	81.6
0°-90°	2977.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2977.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1191	1191	1191	1191	1191	
5°	1188	1185	1185	1185	1188	113
15°	1134	1130	1128	1127	1128	319
25°	1026	1022	1017	1014	1013	472
35°	882	874	865	860	859	550
45°	705	700	688	682	682	544
55°	524	515	506	500	498	468
65°	342	335	325	322	322	338
75°	174	168	164	161	165	184
85°	39	39	38	37	36	48
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1191.3	1191.3	1191.3	1191.3	<i>1191.3</i>
2.5°	<i>1191.3</i>	<i>1190.1</i>	<i>1188.9</i>	<i>1190.1</i>	<i>1192.5</i>
5°	1187.8	1185.4	1185.4	1185.4	<i>1187.8</i>
7.5°	1179.5	1177.1	1175.9	1177.1	<i>1178.3</i>
10°	1167.6	1165.2	1164.0	1165.2	<i>1166.4</i>
12.5°	1151.0	1149.8	1148.6	1148.6	<i>1149.8</i>
15°	1134.4	1129.6	1128.4	1127.2	<i>1128.4</i>
17.5°	1110.6	1109.4	1104.7	1104.7	<i>1104.7</i>
20°	1084.5	1082.2	1078.6	1076.2	<i>1076.2</i>
22.5°	1057.2	1054.9	1048.9	1046.6	<i>1047.7</i>
25°	1026.4	1021.6	1016.9	1014.5	<i>1013.3</i>
27.5°	993.2	988.4	981.3	977.7	<i>977.7</i>
30°	957.6	954.0	945.7	941.0	<i>939.8</i>
32.5°	918.4	916.0	904.2	901.8	<i>901.8</i>
35°	881.6	874.5	865.0	860.3	<i>859.1</i>
37.5°	837.7	833.0	823.5	817.6	<i>816.4</i>
40°	793.8	787.9	778.4	773.6	<i>772.5</i>
42.5°	749.9	744.0	734.5	728.6	<i>727.4</i>
45°	704.8	700.1	688.2	682.3	<i>682.3</i>
47.5°	662.1	652.6	641.9	637.2	<i>636.0</i>
50°	615.8	607.5	595.7	590.9	<i>590.9</i>
52.5°	569.6	563.6	550.6	548.2	<i>545.8</i>
55°	524.5	515.0	505.5	499.5	<i>498.4</i>
57.5°	475.8	467.5	458.0	453.3	<i>453.3</i>
60°	434.3	423.6	415.3	409.4	<i>409.4</i>
62.5°	386.8	377.3	369.0	365.5	<i>364.3</i>
65°	341.7	334.6	325.1	321.6	<i>321.6</i>
67.5°	296.6	290.7	282.4	278.8	<i>280.0</i>
70°	252.7	249.2	243.2	238.5	<i>237.3</i>
72.5°	212.4	207.7	201.7	200.5	<i>200.5</i>
75°	174.4	168.5	163.7	161.4	<i>164.9</i>
77.5°	135.3	131.7	129.3	128.2	<i>129.3</i>
80°	100.9	96.1	94.9	96.1	<i>96.1</i>
82.5°	70.0	67.6	66.4	66.4	<i>66.4</i>
85°	39.2	39.2	38.0	36.8	<i>35.6</i>
87.5°	15.4	15.4	16.6	16.6	<i>17.8</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>

(END OF REPORT)