

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: P601098

Luminaire Tested: 22D3X-LP-35-L830

Issue Date: 10/5/2023

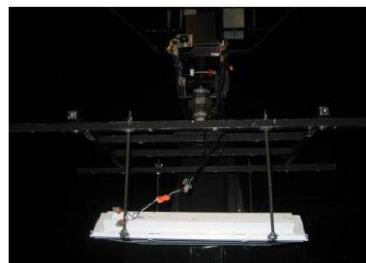
Test Information

Test Method: LM-79-2019
Report Number: P601098
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-L830
Description: 2x2 D3X-LP AT 3500LM 3000K 80CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

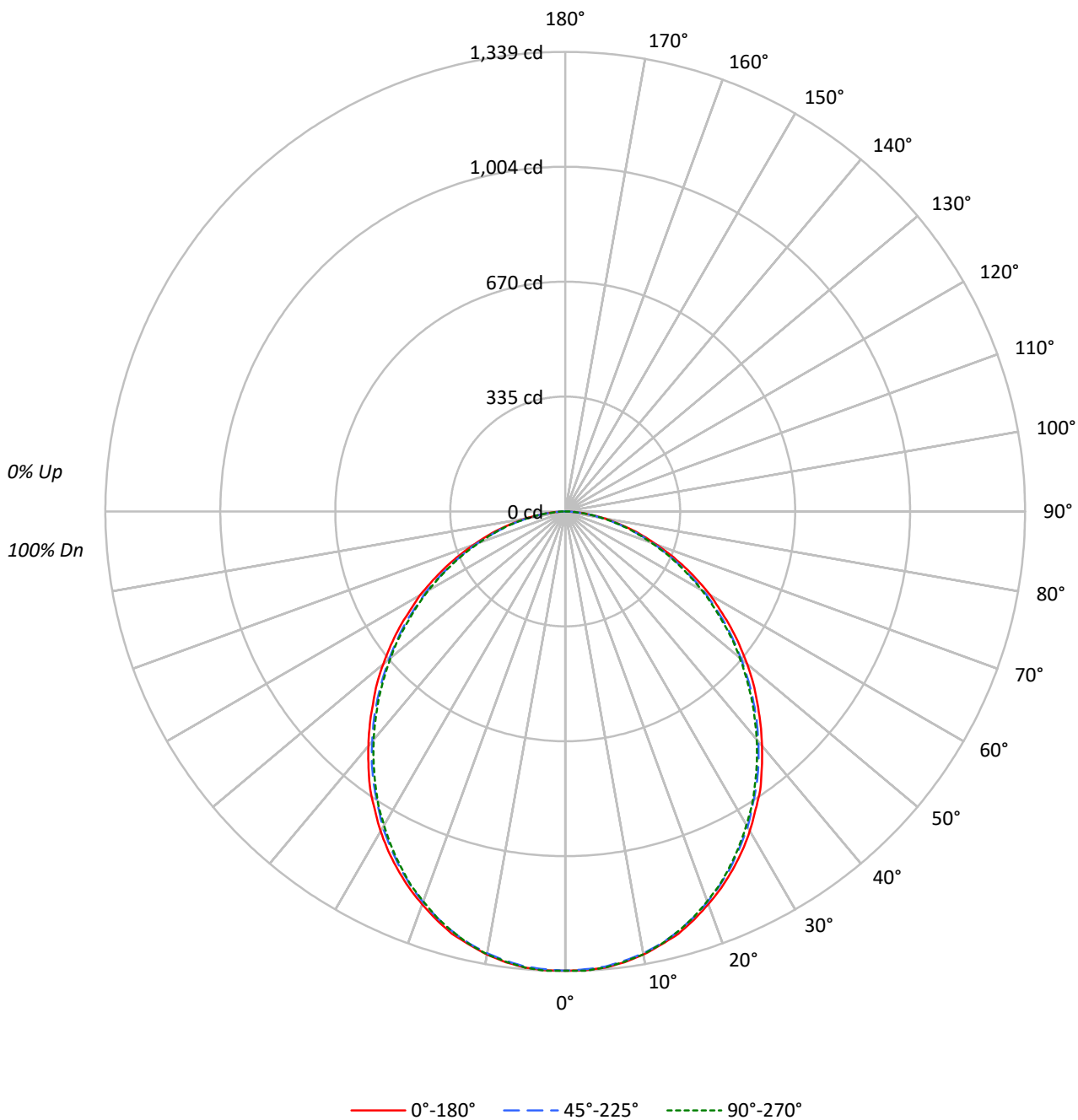
Lumens per Lamp: N/A
Luminaire Lumens: 3343.0 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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	
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°	3600	3600	3600
5°	3603	3596	3603
10°	3583	3572	3579
15°	3549	3530	3530
20°	3488	3468	3461
25°	3422	3390	3379
30°	3341	3300	3279
35°	3252	3191	3169
40°	3131	3071	3047
45°	3012	2941	2916
50°	2895	2800	2778
55°	2763	2663	2625
60°	2625	2510	2474
65°	2443	2325	2299
70°	2233	2150	2097
75°	2037	1912	1926
80°	1756	1652	1672
85°	1359	1315	1235

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3012 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	126.4	3.8
10°-20°	357.3	10.7
20°-30°	526.3	15.7
30°-40°	608.8	18.2
40°-50°	598.5	17.9
50°-60°	510.1	15.3
60°-70°	365.5	10.9
70°-80°	198.5	5.9
80°-90°	51.8	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°	1009.9	30.2
0°-40°	1618.7	48.4
0°-60°	2727.3	81.6
0°-90°	3343.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3343.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1338	1338	1338	1338	1338	
5°	1334	1331	1331	1331	1334	127
15°	1274	1268	1267	1266	1267	359
25°	1153	1147	1142	1139	1138	531
35°	990	982	971	966	965	617
45°	792	786	773	766	766	611
55°	589	578	568	561	560	526
65°	384	376	365	361	361	380
75°	196	189	184	181	185	207
85°	44	44	43	41	40	53
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1337.8	1337.8	1337.8	1337.8	<i>1337.8</i>
2.5°	<i>1337.8</i>	<i>1336.5</i>	<i>1335.1</i>	<i>1336.5</i>	<i>1339.1</i>
5°	1333.8	1331.1	1331.1	1331.1	<i>1333.8</i>
7.5°	1324.5	1321.8	1320.5	1321.8	<i>1323.1</i>
10°	1311.1	1308.5	1307.1	1308.5	<i>1309.8</i>
12.5°	1292.5	1291.1	1289.8	1289.8	<i>1291.1</i>
15°	1273.8	1268.5	1267.2	1265.8	<i>1267.2</i>
17.5°	1247.2	1245.8	1240.5	1240.5	<i>1240.5</i>
20°	1217.9	1215.2	1211.2	1208.5	<i>1208.5</i>
22.5°	1187.2	1184.6	1177.9	1175.2	<i>1176.6</i>
25°	1152.6	1147.2	1141.9	1139.2	<i>1137.9</i>
27.5°	1115.3	1109.9	1101.9	1097.9	<i>1097.9</i>
30°	1075.3	1071.3	1062.0	1056.6	<i>1055.3</i>
32.5°	1031.3	1028.7	1015.3	1012.7	<i>1012.7</i>
35°	990.0	982.0	971.4	966.0	<i>964.7</i>
37.5°	940.7	935.4	924.7	918.1	<i>916.7</i>
40°	891.4	884.8	874.1	868.8	<i>867.4</i>
42.5°	842.1	835.4	824.8	818.1	<i>816.8</i>
45°	791.5	786.1	772.8	766.2	<i>766.2</i>
47.5°	743.5	732.9	720.9	715.5	<i>714.2</i>
50°	691.5	682.2	668.9	663.6	<i>663.6</i>
52.5°	639.6	632.9	618.3	615.6	<i>612.9</i>
55°	588.9	578.3	567.6	561.0	<i>559.6</i>
57.5°	534.3	525.0	514.3	509.0	<i>509.0</i>
60°	487.7	475.7	466.4	459.7	<i>459.7</i>
62.5°	434.4	423.7	414.4	410.4	<i>409.1</i>
65°	383.7	375.8	365.1	361.1	<i>361.1</i>
67.5°	333.1	326.5	317.1	313.1	<i>314.5</i>
70°	283.8	279.8	273.2	267.8	<i>266.5</i>
72.5°	238.5	233.2	226.5	225.2	<i>225.2</i>
75°	195.9	189.2	183.9	181.2	<i>185.2</i>
77.5°	151.9	147.9	145.2	143.9	<i>145.2</i>
80°	113.3	107.9	106.6	107.9	<i>107.9</i>
82.5°	78.6	75.9	74.6	74.6	<i>74.6</i>
85°	44.0	44.0	42.6	41.3	<i>40.0</i>
87.5°	17.3	17.3	18.7	18.7	<i>20.0</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>

(END OF REPORT)