

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: P601099

Luminaire Tested: 22D3X-LP-35-L835

Issue Date: 10/5/2023

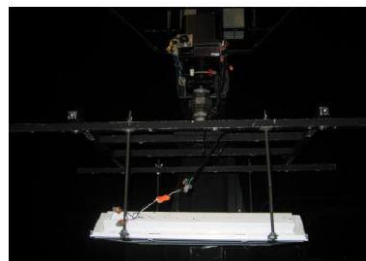
Test Information

Test Method: LM-79-2019
Report Number: P601099
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-L835
Description: 2x2 D3X-LP AT 3500LM 3500K 80CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

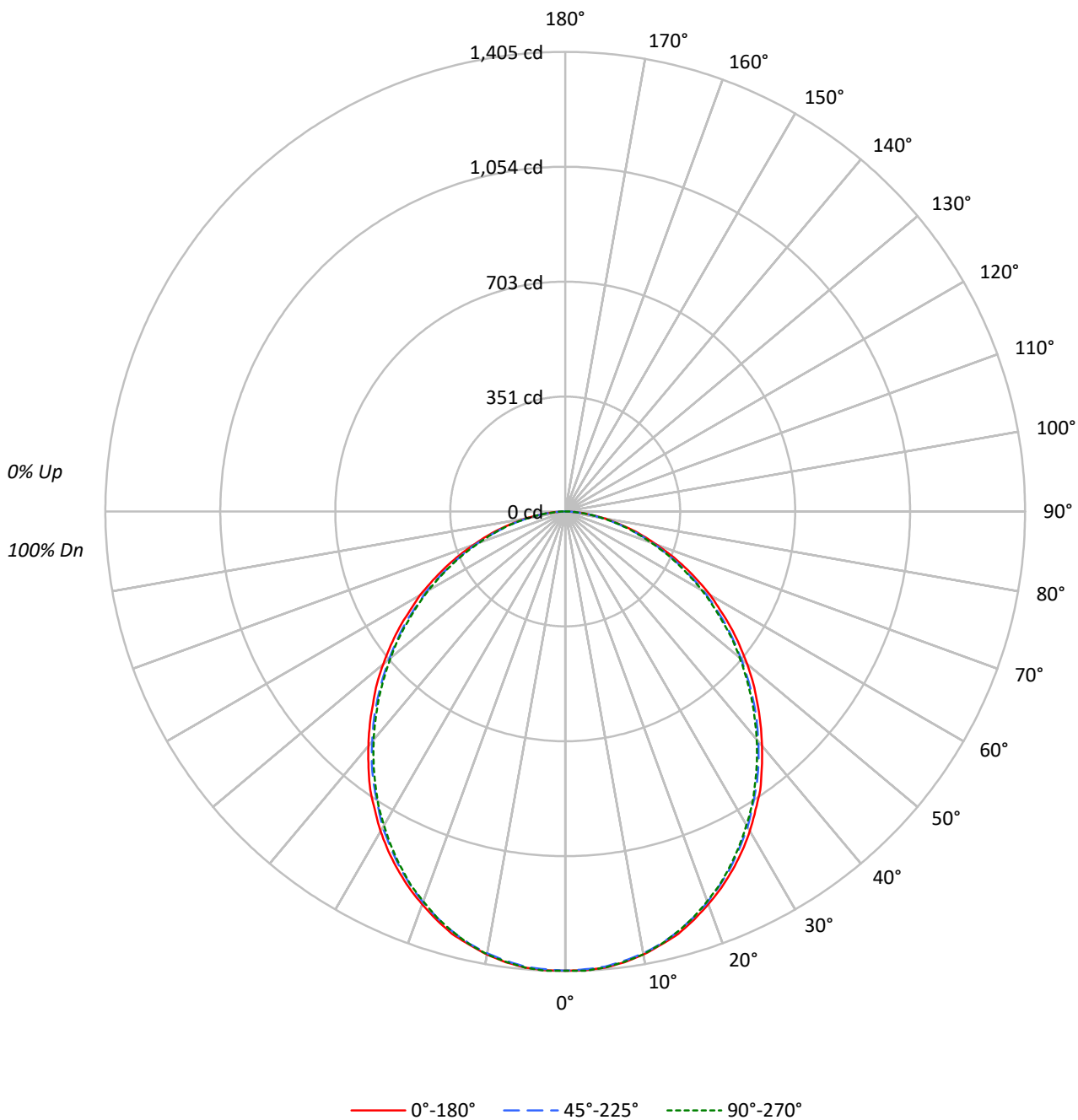
Lumens per Lamp: N/A
Luminaire Lumens: 3508.0 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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



TEST NUMBER: P601099
CATALOG NUMBER: 22D3X-LP-35-L835

Luminous Intensity Polar Plot





TEST NUMBER: P601099
 CATALOG NUMBER: 22D3X-LP-35-L835

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°	3778	3778	3778
5°	3781	3773	3781
10°	3759	3748	3756
15°	3724	3704	3704
20°	3660	3640	3632
25°	3591	3558	3545
30°	3506	3463	3441
35°	3413	3348	3325
40°	3286	3222	3197
45°	3161	3086	3060
50°	3038	2938	2915
55°	2899	2794	2755
60°	2754	2634	2596
65°	2564	2439	2413
70°	2343	2255	2200
75°	2137	2007	2021
80°	1841	1734	1756
85°	1423	1380	1294

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 3161 cd/sqm



TEST NUMBER: P601099
 CATALOG NUMBER: 22D3X-LP-35-L835

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	132.6	3.8
10°-20°	374.9	10.7
20°-30°	552.2	15.7
30°-40°	638.8	18.2
40°-50°	628.0	17.9
50°-60°	535.2	15.3
60°-70°	383.5	10.9
70°-80°	208.3	5.9
80°-90°	54.3	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°	1059.8	30.2
0°-40°	1698.6	48.4
0°-60°	2861.9	81.6
0°-90°	3508.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3508.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1404	1404	1404	1404	1404	
5°	1400	1397	1397	1397	1400	133
15°	1337	1331	1330	1328	1330	376
25°	1210	1204	1198	1196	1194	557
35°	1039	1030	1019	1014	1012	648
45°	830	825	811	804	804	642
55°	618	607	596	589	587	552
65°	403	394	383	379	379	399
75°	206	198	193	190	194	217
85°	46	46	45	43	42	56
90°	0	0	0	0	0	



TEST NUMBER: P601099
 CATALOG NUMBER: 22D3X-LP-35-L835

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1403.8	1403.8	1403.8	1403.8	<i>1403.8</i>
2.5°	<i>1403.8</i>	<i>1402.4</i>	<i>1401.0</i>	<i>1402.4</i>	<i>1405.2</i>
5°	1399.6	1396.8	1396.8	1396.8	<i>1399.6</i>
7.5°	1389.8	1387.0	1385.6	1387.0	<i>1388.4</i>
10°	1375.8	1373.1	1371.7	1373.1	<i>1374.5</i>
12.5°	1356.3	1354.9	1353.5	1353.5	<i>1354.9</i>
15°	1336.7	1331.1	1329.7	1328.3	<i>1329.7</i>
17.5°	1308.7	1307.3	1301.7	1301.7	<i>1301.7</i>
20°	1278.0	1275.2	1271.0	1268.2	<i>1268.2</i>
22.5°	1245.8	1243.0	1236.0	1233.2	<i>1234.6</i>
25°	1209.5	1203.9	1198.3	1195.5	<i>1194.1</i>
27.5°	1170.3	1164.7	1156.3	1152.1	<i>1152.1</i>
30°	1128.4	1124.2	1114.4	1108.8	<i>1107.4</i>
32.5°	1082.2	1079.4	1065.4	1062.6	<i>1062.6</i>
35°	1038.9	1030.5	1019.3	1013.7	<i>1012.3</i>
37.5°	987.1	981.6	970.4	963.4	<i>962.0</i>
40°	935.4	928.4	917.2	911.6	<i>910.2</i>
42.5°	883.7	876.7	865.5	858.5	<i>857.1</i>
45°	830.5	825.0	811.0	804.0	<i>804.0</i>
47.5°	780.2	769.0	756.4	750.8	<i>749.4</i>
50°	725.7	715.9	701.9	696.3	<i>696.3</i>
52.5°	671.1	664.2	648.8	646.0	<i>643.2</i>
55°	618.0	606.8	595.6	588.7	<i>587.3</i>
57.5°	560.7	550.9	539.7	534.1	<i>534.1</i>
60°	511.7	499.2	489.4	482.4	<i>482.4</i>
62.5°	455.8	444.6	434.8	430.7	<i>429.3</i>
65°	402.7	394.3	383.1	378.9	<i>378.9</i>
67.5°	349.6	342.6	332.8	328.6	<i>330.0</i>
70°	297.8	293.6	286.6	281.0	<i>279.6</i>
72.5°	250.3	244.7	237.7	236.3	<i>236.3</i>
75°	205.5	198.5	193.0	190.2	<i>194.4</i>
77.5°	159.4	155.2	152.4	151.0	<i>152.4</i>
80°	118.8	113.3	111.9	113.3	<i>113.3</i>
82.5°	82.5	79.7	78.3	78.3	<i>78.3</i>
85°	46.1	46.1	44.7	43.3	<i>41.9</i>
87.5°	18.2	18.2	19.6	19.6	<i>21.0</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>

(END OF REPORT)