

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: P995552

Luminaire Tested: 22D3X-LP-WD-60-L835.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995552
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-104-1)
Test Lab: INNOVATION CENTER
Issue Date: 12/20/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 22D3X-LP-WD-60-L835.ies
Description: 2x2 D3X-LP AT 6000LM 3500K 80CRI
Light Source: -
Ballast/Driver: -

Summary

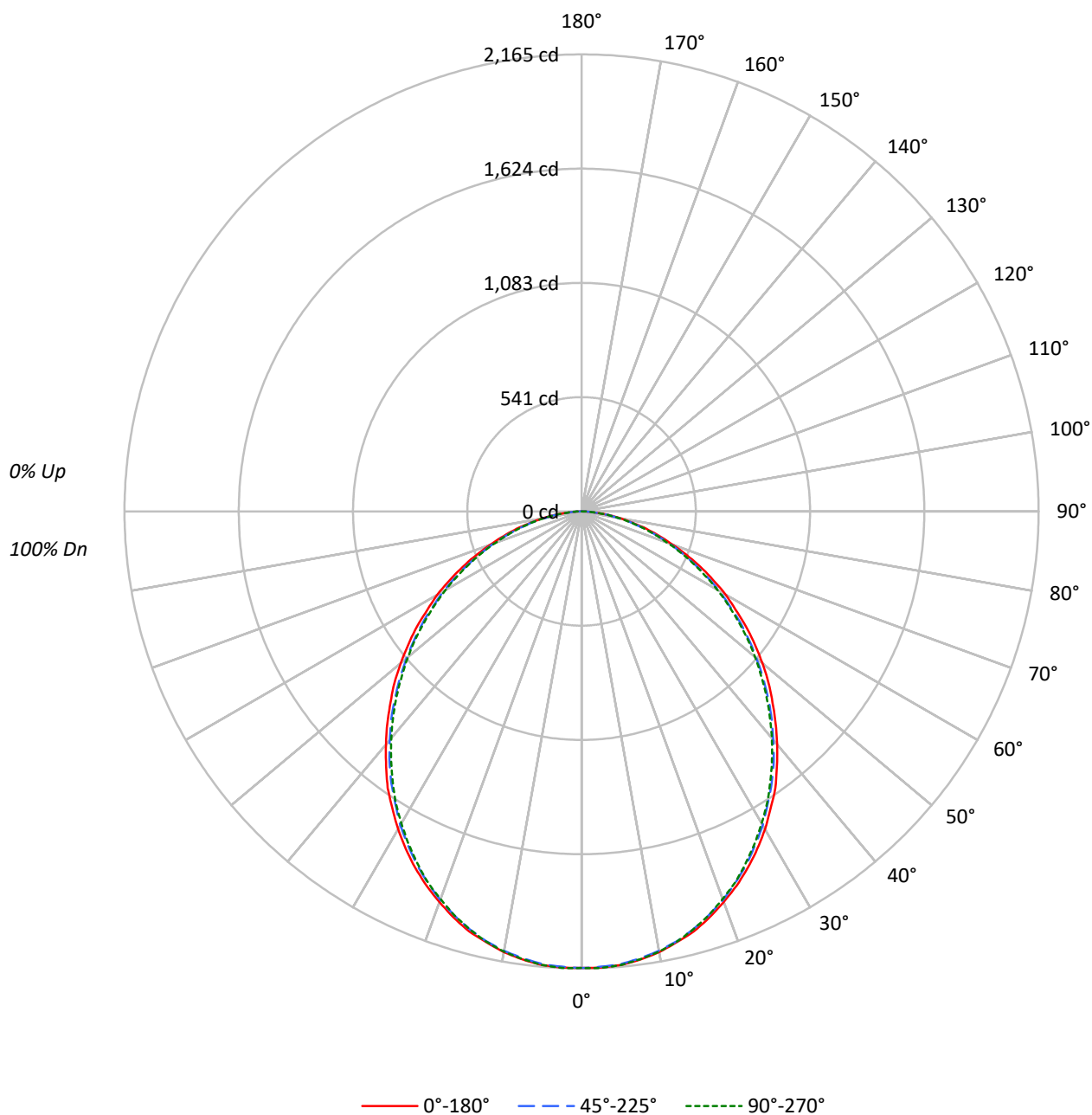
Lumens per Lamp: N/A
Luminaire Lumens: 5404.5 lumens
Efficiency: N/A
Efficacy: 102.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 52.5
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: P995552

CATALOG NUMBER: 22D3X-LP-WD-60-L835.ies

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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85		85
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71		71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		61
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		52
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45		45
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36		36
8	62	49	40	34	60	48	40	34	47	39	34	45	39	34	44	38	34	32		32
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29		29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5820	5820	5820
5°	5825	5813	5825
10°	5792	5774	5786
15°	5737	5707	5707
20°	5638	5607	5595
25°	5532	5481	5462
30°	5402	5335	5301
35°	5258	5159	5123
40°	5062	4964	4926
45°	4870	4755	4714
50°	4680	4527	4491
55°	4467	4305	4244
60°	4243	4057	4000
65°	3950	3758	3717
70°	3610	3474	3389
75°	3293	3091	3113
80°	2837	2670	2704
85°	2195	2127	1995

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4870 cd/sqm

TEST NUMBER: P995552

CATALOG NUMBER: 22D3X-LP-WD-60-L835.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.3	3.8
10°-20°	577.7	10.7
20°-30°	850.8	15.7
30°-40°	984.2	18.2
40°-50°	967.6	17.9
50°-60°	824.6	15.3
60°-70°	590.8	10.9
70°-80°	320.9	5.9
80°-90°	83.7	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°	1632.7	30.2
0°-40°	2616.9	48.4
0°-60°	4409.1	81.6
0°-90°	5404.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5404.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2163	2163	2163	2163	2163	
5°	2156	2152	2152	2152	2156	205
15°	2059	2051	2049	2046	2049	580
25°	1863	1855	1846	1842	1840	858
35°	1600	1588	1570	1562	1560	998
45°	1280	1271	1249	1239	1239	988
55°	952	935	918	907	905	850
65°	620	608	590	584	584	615
75°	317	306	297	293	299	335
85°	71	71	69	67	65	86
90°	0	0	0	0	0	

TEST NUMBER: P995552

CATALOG NUMBER: 22D3X-LP-WD-60-L835.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2162.7	2162.7	2162.7	2162.7	2162.7
2.5°	2162.7	2160.6	2158.4	2160.6	2164.9
5°	2156.3	2152.0	2152.0	2152.0	2156.3
7.5°	2141.2	2136.9	2134.7	2136.9	2139.1
10°	2119.7	2115.4	2113.2	2115.4	2117.5
12.5°	2089.5	2087.4	2085.2	2085.2	2087.4
15°	2059.3	2050.7	2048.6	2046.4	2048.6
17.5°	2016.3	2014.1	2005.5	2005.5	2005.5
20°	1968.9	1964.6	1958.1	1953.8	1953.8
22.5°	1919.3	1915.0	1904.3	1899.9	1902.1
25°	1863.3	1854.7	1846.1	1841.8	1839.6
27.5°	1803.0	1794.4	1781.5	1775.0	1775.0
30°	1738.4	1731.9	1716.8	1708.2	1706.1
32.5°	1667.3	1663.0	1641.4	1637.1	1637.1
35°	1600.5	1587.6	1570.4	1561.7	1559.6
37.5°	1520.8	1512.2	1495.0	1484.2	1482.0
40°	1441.1	1430.3	1413.1	1404.5	1402.3
42.5°	1361.4	1350.6	1333.4	1322.6	1320.5
45°	1279.6	1270.9	1249.4	1238.6	1238.6
47.5°	1202.0	1184.8	1165.4	1156.8	1154.6
50°	1118.0	1102.9	1081.4	1072.8	1072.8
52.5°	1034.0	1023.2	999.5	995.2	990.9
55°	952.1	934.9	917.7	906.9	904.7
57.5°	863.8	848.7	831.5	822.9	822.9
60°	788.4	769.0	753.9	743.2	743.2
62.5°	702.2	685.0	669.9	663.5	661.3
65°	620.4	607.5	590.2	583.8	583.8
67.5°	538.5	527.8	512.7	506.2	508.4
70°	458.8	452.4	441.6	433.0	430.8
72.5°	385.6	377.0	366.2	364.0	364.0
75°	316.7	305.9	297.3	293.0	299.4
77.5°	245.6	239.1	234.8	232.6	234.8
80°	183.1	174.5	172.3	174.5	174.5
82.5°	127.1	122.8	120.6	120.6	120.6
85°	71.1	71.1	68.9	66.8	64.6
87.5°	28.0	28.0	30.2	30.2	32.3
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)