

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: P995553

Luminaire Tested: 22D3X-LP-WD-60-L840.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995553
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-L840.ies
Description: 2x2 D3X-LP AT 6000LM 4000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

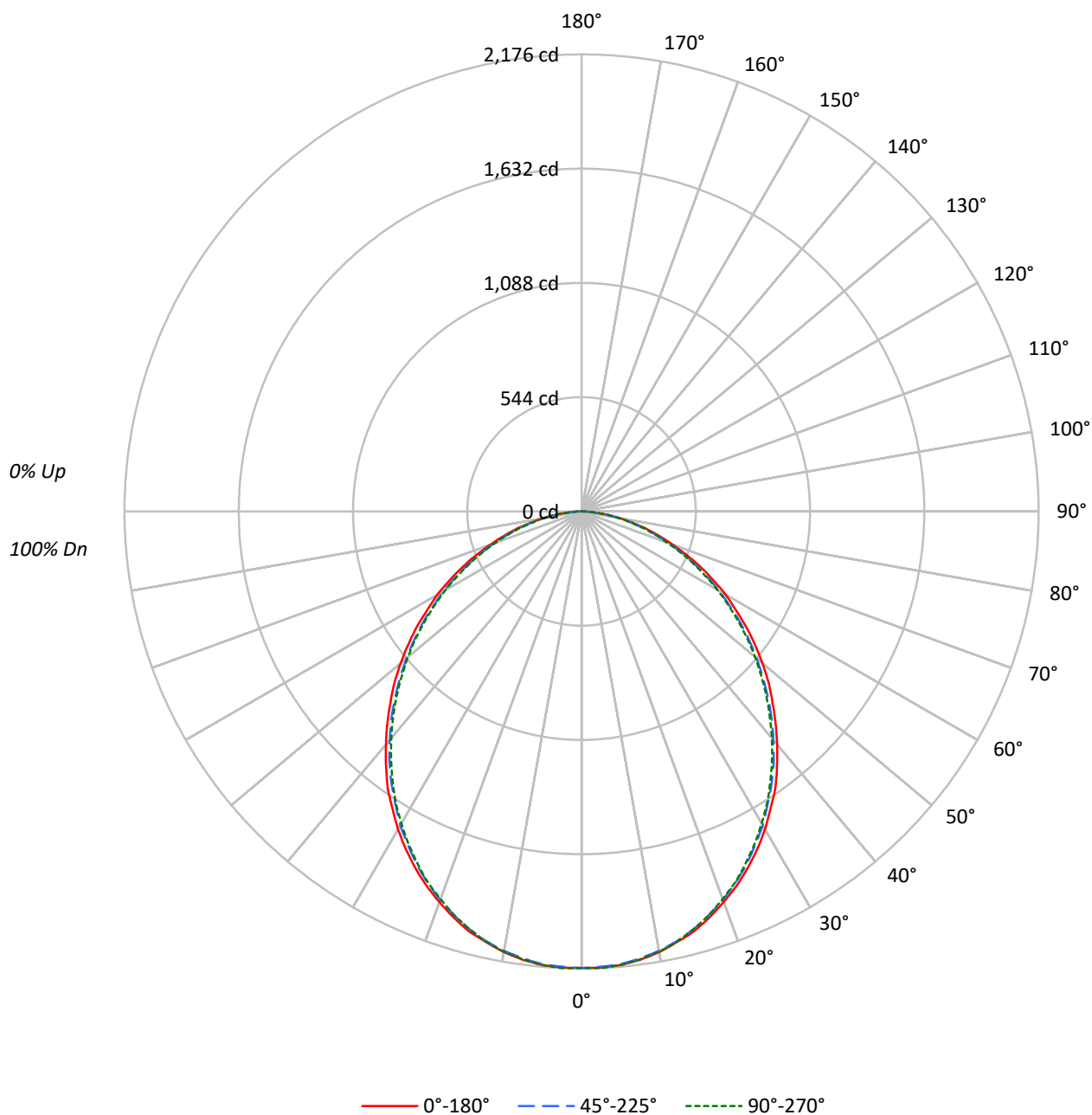
Lumens per Lamp: N/A
Luminaire Lumens: 5432.4 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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

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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					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°	5850	5850	5850
5°	5855	5843	5855
10°	5822	5804	5816
15°	5767	5737	5737
20°	5667	5636	5624
25°	5561	5510	5490
30°	5430	5362	5329
35°	5285	5185	5150
40°	5089	4990	4952
45°	4895	4779	4738
50°	4705	4551	4514
55°	4490	4328	4267
60°	4265	4078	4020
65°	3971	3778	3736
70°	3629	3493	3408
75°	3309	3107	3130
80°	2851	2684	2718
85°	2208	2140	2007

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4895 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	205.3	3.8
10°-20°	580.6	10.7
20°-30°	855.2	15.7
30°-40°	989.3	18.2
40°-50°	972.6	17.9
50°-60°	828.8	15.3
60°-70°	593.9	10.9
70°-80°	322.5	5.9
80°-90°	84.1	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°	1641.2	30.2
0°-40°	2630.4	48.4
0°-60°	4431.8	81.6
0°-90°	5432.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5432.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2174	2174	2174	2174	2174	
5°	2167	2163	2163	2163	2167	206
15°	2070	2061	2059	2057	2059	583
25°	1873	1864	1856	1851	1849	862
35°	1609	1596	1578	1570	1568	1003
45°	1286	1278	1256	1245	1245	993
55°	957	940	922	912	909	855
65°	624	611	593	587	587	618
75°	318	308	299	294	301	336
85°	72	72	69	67	65	87
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2173.9	2173.9	2173.9	2173.9	2173.9
2.5°	2173.9	2171.7	2169.6	2171.7	2176.1
5°	2167.4	2163.1	2163.1	2163.1	2167.4
7.5°	2152.3	2147.9	2145.8	2147.9	2150.1
10°	2130.6	2126.3	2124.1	2126.3	2128.4
12.5°	2100.3	2098.1	2096.0	2096.0	2098.1
15°	2070.0	2061.3	2059.2	2057.0	2059.2
17.5°	2026.7	2024.5	2015.8	2015.8	2015.8
20°	1979.0	1974.7	1968.2	1963.9	1963.9
22.5°	1929.2	1924.9	1914.1	1909.8	1911.9
25°	1872.9	1864.3	1855.6	1851.3	1849.1
27.5°	1812.3	1803.7	1790.7	1784.2	1784.2
30°	1747.4	1740.9	1725.7	1717.0	1714.9
32.5°	1675.9	1671.6	1649.9	1645.6	1645.6
35°	1608.8	1595.8	1578.5	1569.8	1567.6
37.5°	1528.7	1520.0	1502.7	1491.9	1489.7
40°	1448.6	1437.7	1420.4	1411.7	1409.6
42.5°	1368.4	1357.6	1340.3	1329.5	1327.3
45°	1286.2	1277.5	1255.8	1245.0	1245.0
47.5°	1208.2	1190.9	1171.4	1162.7	1160.6
50°	1123.8	1108.6	1087.0	1078.3	1078.3
52.5°	1039.3	1028.5	1004.7	1000.3	996.0
55°	957.0	939.7	922.4	911.6	909.4
57.5°	868.3	853.1	835.8	827.1	827.1
60°	792.5	773.0	757.8	747.0	747.0
62.5°	705.9	688.5	673.4	666.9	664.7
65°	623.6	610.6	593.3	586.8	586.8
67.5°	541.3	530.5	515.3	508.8	511.0
70°	461.2	454.7	443.9	435.2	433.1
72.5°	387.6	378.9	368.1	365.9	365.9
75°	318.3	307.5	298.8	294.5	301.0
77.5°	246.8	240.3	236.0	233.8	236.0
80°	184.0	175.4	173.2	175.4	175.4
82.5°	127.7	123.4	121.3	121.3	121.3
85°	71.5	71.5	69.3	67.1	65.0
87.5°	28.1	28.1	30.3	30.3	32.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)