

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: P995543

Luminaire Tested: 22D3X-LP-WD-55-L835.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995543
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-55-L835.ies
Description: 2x2 D3X-LP AT 5500LM 3500K 80CRI
Light Source: -
Ballast/Driver: -

Summary

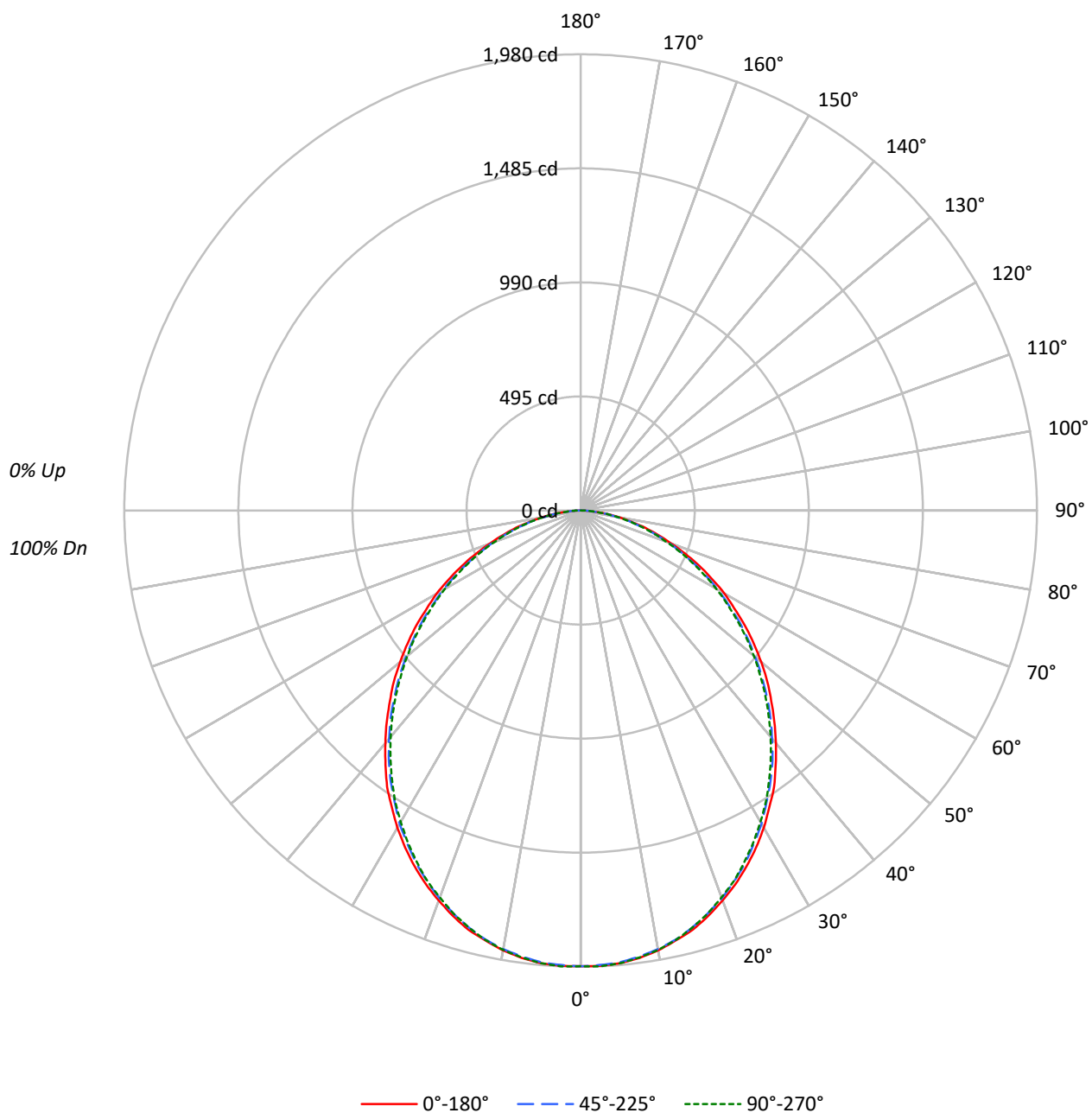
Lumens per Lamp: N/A
Luminaire Lumens: 4942.8 lumens
Efficiency: N/A
Efficacy: 108.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 45.4
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°	5323	5323	5323
5°	5327	5316	5327
10°	5297	5281	5292
15°	5247	5220	5220
20°	5157	5128	5117
25°	5060	5013	4996
30°	4940	4879	4848
35°	4809	4718	4686
40°	4630	4540	4505
45°	4453	4349	4311
50°	4281	4140	4107
55°	4085	3938	3882
60°	3881	3711	3658
65°	3613	3437	3400
70°	3301	3178	3100
75°	3011	2827	2847
80°	2596	2442	2473
85°	2007	1945	1825

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 4453 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.8	3.8
10°-20°	528.3	10.7
20°-30°	778.1	15.7
30°-40°	900.1	18.2
40°-50°	884.9	17.9
50°-60°	754.1	15.3
60°-70°	540.4	10.9
70°-80°	293.5	5.9
80°-90°	76.6	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°	1493.3	30.2
0°-40°	2393.4	48.4
0°-60°	4032.4	81.6
0°-90°	4942.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4942.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1978	1978	1978	1978	1978	
5°	1972	1968	1968	1968	1972	187
15°	1883	1876	1874	1872	1874	530
25°	1704	1696	1688	1684	1682	784
35°	1464	1452	1436	1428	1426	913
45°	1170	1162	1143	1133	1133	904
55°	871	855	839	829	827	778
65°	567	556	540	534	534	562
75°	290	280	272	268	274	306
85°	65	65	63	61	59	79
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1978.0	1978.0	1978.0	1978.0	1978.0
2.5°	1978.0	1976.0	1974.0	1976.0	1980.0
5°	1972.1	1968.1	1968.1	1968.1	1972.1
7.5°	1958.3	1954.3	1952.4	1954.3	1956.3
10°	1938.6	1934.6	1932.7	1934.6	1936.6
12.5°	1911.0	1909.0	1907.1	1907.1	1909.0
15°	1883.4	1875.5	1873.6	1871.6	1873.6
17.5°	1844.0	1842.0	1834.2	1834.2	1834.2
20°	1800.7	1796.7	1790.8	1786.9	1786.9
22.5°	1755.4	1751.4	1741.6	1737.6	1739.6
25°	1704.1	1696.3	1688.4	1684.4	1682.5
27.5°	1649.0	1641.1	1629.3	1623.4	1623.4
30°	1589.9	1584.0	1570.2	1562.3	1560.3
32.5°	1524.9	1520.9	1501.2	1497.3	1497.3
35°	1463.8	1452.0	1436.2	1428.3	1426.4
37.5°	1390.9	1383.0	1367.3	1357.4	1355.4
40°	1318.0	1308.1	1292.4	1284.5	1282.5
42.5°	1245.1	1235.3	1219.5	1209.6	1207.7
45°	1170.2	1162.4	1142.7	1132.8	1132.8
47.5°	1099.3	1083.6	1065.8	1057.9	1056.0
50°	1022.5	1008.7	989.0	981.1	981.1
52.5°	945.7	935.8	914.1	910.2	906.2
55°	870.8	855.0	839.3	829.4	827.4
57.5°	790.0	776.2	760.5	752.6	752.6
60°	721.1	703.3	689.5	679.7	679.7
62.5°	642.3	626.5	612.7	606.8	604.8
65°	567.4	555.6	539.8	533.9	533.9
67.5°	492.5	482.7	468.9	463.0	464.9
70°	419.6	413.7	403.9	396.0	394.0
72.5°	352.6	344.8	334.9	332.9	332.9
75°	289.6	279.8	271.9	267.9	273.8
77.5°	224.6	218.7	214.7	212.8	214.7
80°	167.5	159.6	157.6	159.6	159.6
82.5°	116.2	112.3	110.3	110.3	110.3
85°	65.0	65.0	63.0	61.1	59.1
87.5°	25.6	25.6	27.6	27.6	29.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)