

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: P995512

Luminaire Tested: 22D3X-LP-WD-35-L935.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995512
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-35-L935.ies
Description: 2x2 D3X-LP AT 3500LM 3500K 90CRI
Light Source: -
Ballast/Driver: -

Summary

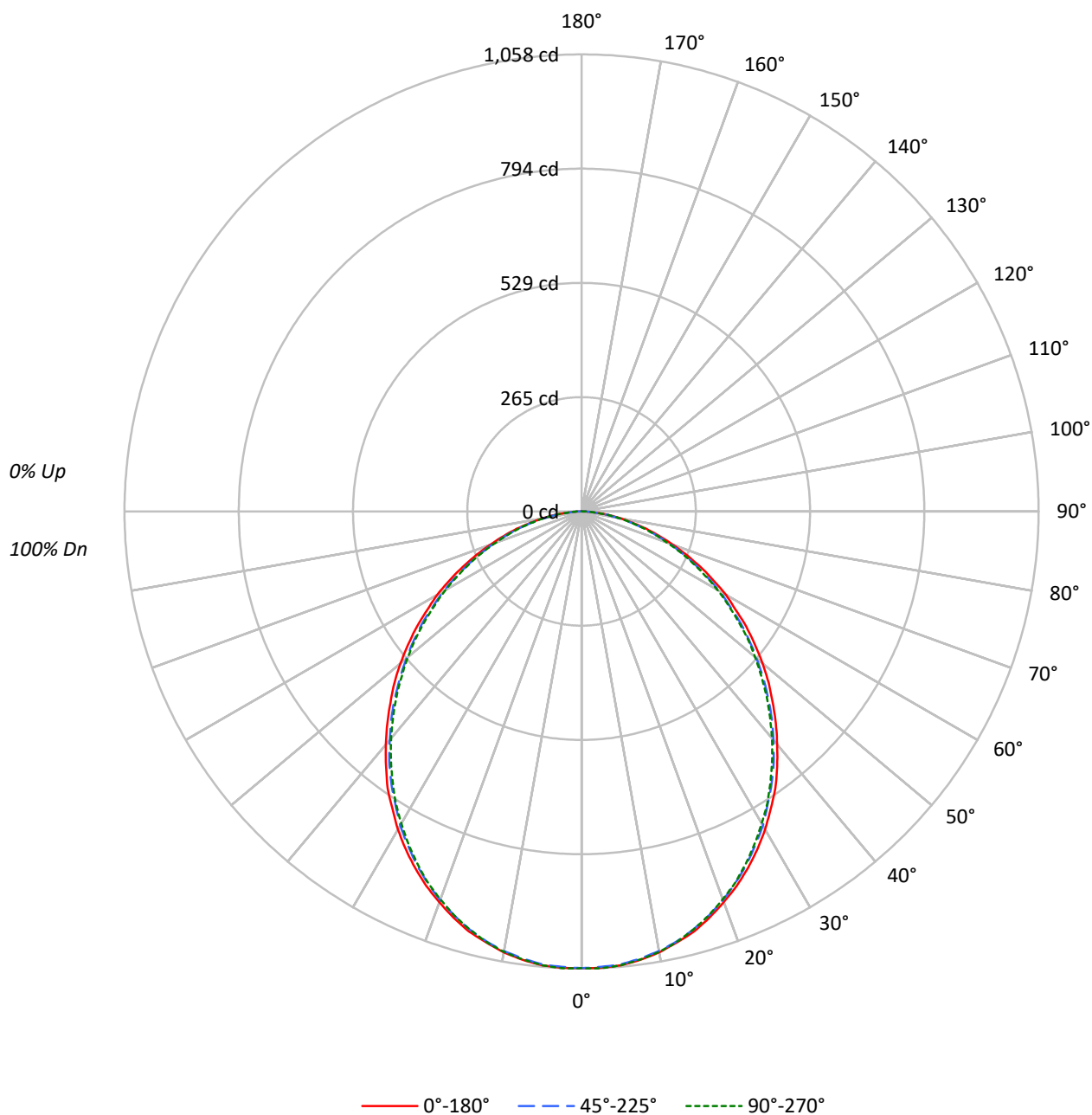
Lumens per Lamp: N/A
Luminaire Lumens: 2642.4 lumens
Efficiency: N/A
Efficacy: 91.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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					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°	2845	2845	2845
5°	2848	2842	2848
10°	2832	2823	2829
15°	2805	2790	2790
20°	2757	2742	2736
25°	2705	2680	2670
30°	2641	2608	2592
35°	2571	2522	2505
40°	2475	2427	2408
45°	2381	2325	2305
50°	2288	2213	2196
55°	2184	2105	2075
60°	2075	1984	1956
65°	1931	1838	1817
70°	1765	1699	1657
75°	1609	1511	1522
80°	1387	1306	1322
85°	1074	1041	976

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2381 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.9	3.8
10°-20°	282.4	10.7
20°-30°	416.0	15.7
30°-40°	481.2	18.2
40°-50°	473.1	17.9
50°-60°	403.2	15.3
60°-70°	288.9	10.9
70°-80°	156.9	5.9
80°-90°	40.9	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°	798.3	30.2
0°-40°	1279.5	48.4
0°-60°	2155.7	81.6
0°-90°	2642.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2642.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1057	1057	1057	1057	1057	
5°	1054	1052	1052	1052	1054	100
15°	1007	1003	1002	1000	1002	283
25°	911	907	903	900	899	419
35°	782	776	768	764	762	488
45°	626	621	611	606	606	483
55°	466	457	449	443	442	416
65°	303	297	289	285	285	300
75°	155	150	145	143	146	164
85°	35	35	34	33	32	42
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1057.4	1057.4	1057.4	1057.4	1057.4
2.5°	1057.4	1056.4	1055.3	1056.4	1058.5
5°	1054.3	1052.2	1052.2	1052.2	1054.3
7.5°	1046.9	1044.8	1043.7	1044.8	1045.8
10°	1036.4	1034.3	1033.2	1034.3	1035.3
12.5°	1021.6	1020.6	1019.5	1019.5	1020.6
15°	1006.9	1002.7	1001.6	1000.5	1001.6
17.5°	985.8	984.8	980.5	980.5	980.5
20°	962.6	960.5	957.4	955.3	955.3
22.5°	938.4	936.3	931.0	928.9	930.0
25°	911.0	906.8	902.6	900.5	899.4
27.5°	881.5	877.3	871.0	867.8	867.8
30°	849.9	846.8	839.4	835.2	834.1
32.5°	815.2	813.1	802.5	800.4	800.4
35°	782.5	776.2	767.8	763.6	762.5
37.5°	743.6	739.4	730.9	725.7	724.6
40°	704.6	699.3	690.9	686.7	685.6
42.5°	665.6	660.4	651.9	646.7	645.6
45°	625.6	621.4	610.9	605.6	605.6
47.5°	587.7	579.3	569.8	565.6	564.5
50°	546.6	539.2	528.7	524.5	524.5
52.5°	505.5	500.3	488.7	486.6	484.5
55°	465.5	457.1	448.7	443.4	442.3
57.5°	422.3	415.0	406.5	402.3	402.3
60°	385.5	376.0	368.6	363.4	363.4
62.5°	343.3	334.9	327.5	324.4	323.3
65°	303.3	297.0	288.6	285.4	285.4
67.5°	263.3	258.0	250.7	247.5	248.6
70°	224.3	221.2	215.9	211.7	210.6
72.5°	188.5	184.3	179.0	178.0	178.0
75°	154.8	149.6	145.3	143.2	146.4
77.5°	120.1	116.9	114.8	113.7	114.8
80°	89.5	85.3	84.3	85.3	85.3
82.5°	62.1	60.0	59.0	59.0	59.0
85°	34.8	34.8	33.7	32.6	31.6
87.5°	13.7	13.7	14.7	14.7	15.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)