

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: P995507

Luminaire Tested: 22D3X-LP-WD-35-L835.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995507
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-L835.ies
Description: 2x2 D3X-LP AT 3500LM 3500K 80CRI
Light Source: -
Ballast/Driver: -

Summary

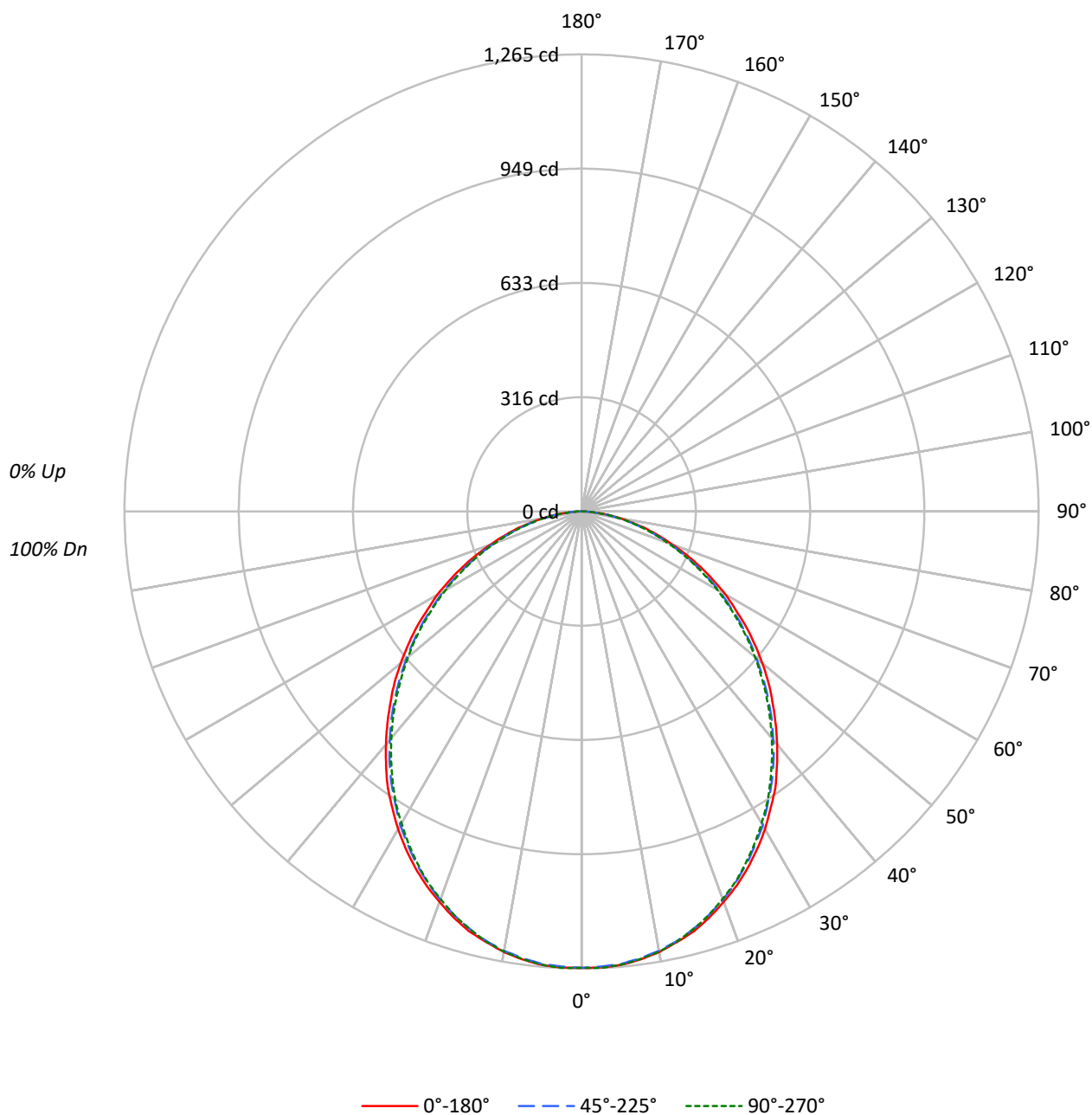
Lumens per Lamp: N/A
Luminaire Lumens: 3157.2 lumens
Efficiency: N/A
Efficacy: 109.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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°	3400	3400	3400
5°	3403	3396	3403
10°	3384	3373	3380
15°	3351	3334	3334
20°	3294	3276	3269
25°	3232	3202	3191
30°	3155	3116	3097
35°	3072	3014	2993
40°	2957	2900	2878
45°	2845	2778	2754
50°	2734	2645	2624
55°	2609	2515	2479
60°	2479	2370	2336
65°	2308	2195	2171
70°	2109	2030	1980
75°	1923	1806	1818
80°	1658	1561	1579
85°	1281	1244	1167

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2845 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	119.3	3.8
10°-20°	337.5	10.7
20°-30°	497.0	15.7
30°-40°	574.9	18.2
40°-50°	565.2	17.9
50°-60°	481.7	15.3
60°-70°	345.1	10.9
70°-80°	187.5	5.9
80°-90°	48.9	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°	953.8	30.2
0°-40°	1528.7	48.4
0°-60°	2575.7	81.6
0°-90°	3157.2	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3157.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1263	1263	1263	1263	1263	
5°	1260	1257	1257	1257	1260	120
15°	1203	1198	1197	1196	1197	339
25°	1088	1084	1078	1076	1075	501
35°	935	927	917	912	911	583
45°	748	742	730	724	724	577
55°	556	546	536	530	528	497
65°	362	355	345	341	341	359
75°	185	179	174	171	175	195
85°	42	42	40	39	38	50
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1263.4	1263.4	1263.4	1263.4	1263.4
2.5°	1263.4	1262.2	1260.9	1262.2	1264.7
5°	1259.7	1257.1	1257.1	1257.1	1259.7
7.5°	1250.8	1248.3	1247.1	1248.3	1249.6
10°	1238.3	1235.7	1234.5	1235.7	1237.0
12.5°	1220.6	1219.4	1218.1	1218.1	1219.4
15°	1203.0	1198.0	1196.7	1195.5	1196.7
17.5°	1177.9	1176.6	1171.6	1171.6	1171.6
20°	1150.2	1147.7	1143.9	1141.4	1141.4
22.5°	1121.2	1118.7	1112.4	1109.9	1111.2
25°	1088.5	1083.5	1078.4	1075.9	1074.7
27.5°	1053.3	1048.2	1040.7	1036.9	1036.9
30°	1015.5	1011.8	1002.9	997.9	996.7
32.5°	974.0	971.5	958.9	956.4	956.4
35°	935.0	927.4	917.4	912.3	911.1
37.5°	888.4	883.4	873.3	867.0	865.8
40°	841.9	835.6	825.5	820.5	819.2
42.5°	795.3	789.0	778.9	772.7	771.4
45°	747.5	742.5	729.9	723.6	723.6
47.5°	702.2	692.1	680.8	675.8	674.5
50°	653.1	644.3	631.7	626.7	626.7
52.5°	604.0	597.7	583.9	581.4	578.9
55°	556.2	546.1	536.1	529.8	528.5
57.5°	504.6	495.8	485.7	480.7	480.7
60°	460.6	449.2	440.4	434.1	434.1
62.5°	410.2	400.2	391.4	387.6	386.3
65°	362.4	354.9	344.8	341.0	341.0
67.5°	314.6	308.3	299.5	295.7	297.0
70°	268.0	264.3	258.0	252.9	251.7
72.5°	225.3	220.2	213.9	212.7	212.7
75°	185.0	178.7	173.7	171.1	174.9
77.5°	143.5	139.7	137.2	135.9	137.2
80°	107.0	101.9	100.7	101.9	101.9
82.5°	74.2	71.7	70.5	70.5	70.5
85°	41.5	41.5	40.3	39.0	37.8
87.5°	16.4	16.4	17.6	17.6	18.9
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)