

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: P995506

Luminaire Tested: 22D3X-LP-WD-35-L830.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995506
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-L830.ies
Description: 2x2 D3X-LP AT 3500LM 3000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

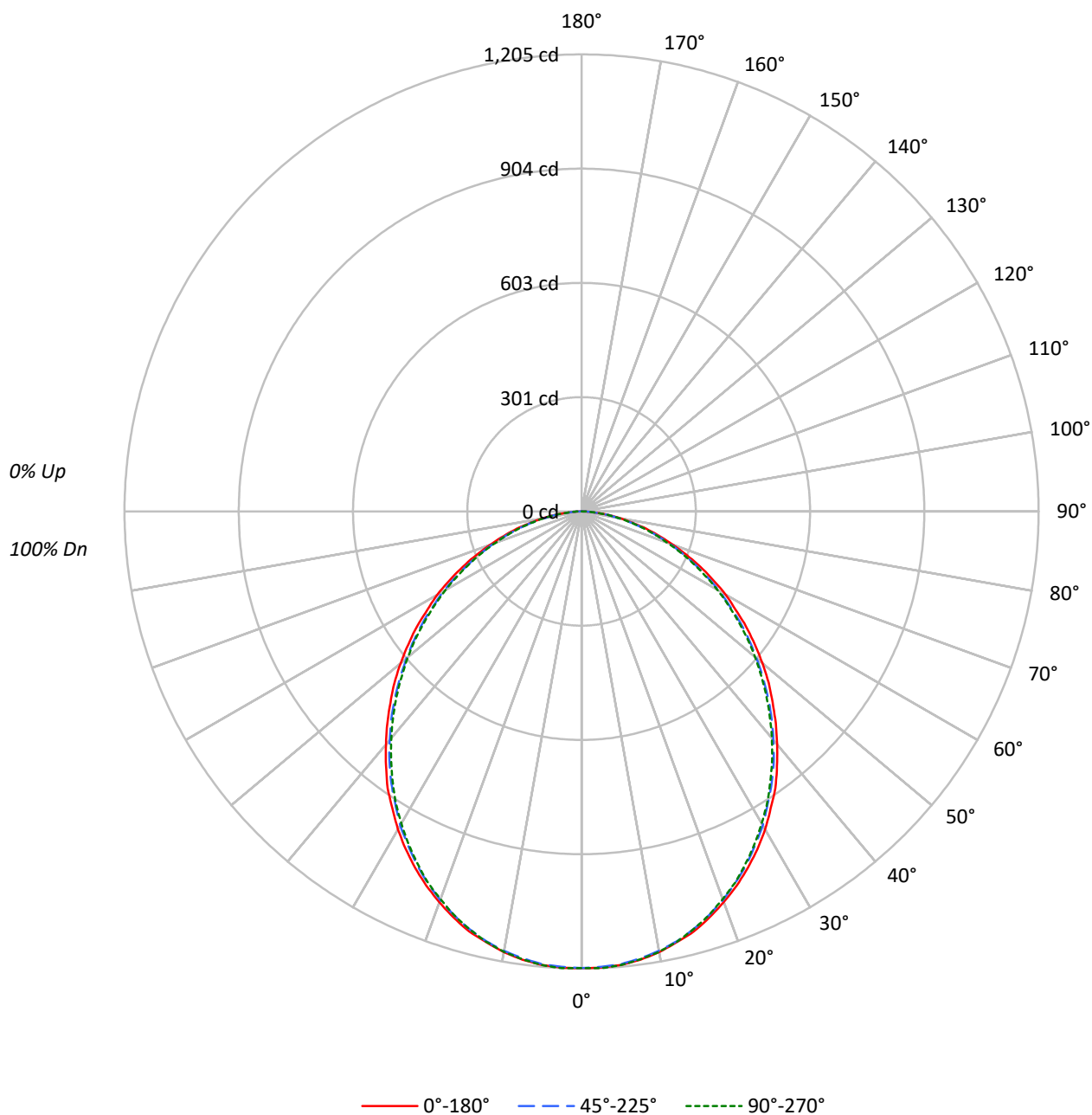
Lumens per Lamp: N/A
Luminaire Lumens: 3008.7 lumens
Efficiency: N/A
Efficacy: 104.5 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

Input Watts (W): 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

TEST NUMBER: P995506

CATALOG NUMBER: 22D3X-LP-WD-35-L830.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		
1	109	105	101	97	107	102	99	95	98	95	92	94	92	89	91	89	87	85		
2	100	92	85	80	97	90	84	79	86	81	77	83	79	75	80	77	73	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	67	63	61		
4	84	72	64	57	81	71	63	57	68	61	56	66	60	55	64	59	54	52		
5	77	65	56	49	75	64	55	49	61	54	49	59	53	48	58	52	48	45		
6	71	58	50	43	69	57	49	43	56	48	43	54	47	42	52	47	42	40		
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	36		
8	62	49	40	34	60	48	40	34	47	39	34	45	39	34	44	38	34	32		
9	58	45	37	31	56	44	36	31	43	36	31	42	35	31	41	35	31	29		
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3240	3240	3240
5°	3243	3236	3243
10°	3224	3215	3221
15°	3194	3177	3177
20°	3139	3122	3115
25°	3080	3051	3041
30°	3007	2970	2951
35°	2927	2872	2852
40°	2818	2764	2742
45°	2711	2647	2624
50°	2606	2520	2500
55°	2487	2397	2363
60°	2362	2259	2227
65°	2199	2092	2069
70°	2009	1934	1887
75°	1833	1721	1733
80°	1579	1486	1505
85°	1223	1186	1112

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2711 cd/sqm

TEST NUMBER: P995506

CATALOG NUMBER: 22D3X-LP-WD-35-L830.ies

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.7	3.8
10°-20°	321.6	10.7
20°-30°	473.6	15.7
30°-40°	547.9	18.2
40°-50°	538.6	17.9
50°-60°	459.0	15.3
60°-70°	328.9	10.9
70°-80°	178.6	5.9
80°-90°	46.6	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°	908.9	30.2
0°-40°	1456.8	48.4
0°-60°	2454.5	81.6
0°-90°	3008.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3008.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1204	1204	1204	1204	1204	
5°	1200	1198	1198	1198	1200	114
15°	1146	1142	1140	1139	1140	323
25°	1037	1032	1028	1025	1024	477
35°	891	884	874	869	868	556
45°	712	708	696	690	690	550
55°	530	520	511	505	504	473
65°	345	338	329	325	325	342
75°	176	170	166	163	167	186
85°	40	40	38	37	36	48
90°	0	0	0	0	0	

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CATALOG NUMBER: 22D3X-LP-WD-35-L830.ies

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1204.0	1204.0	1204.0	1204.0	1204.0
2.5°	1204.0	1202.8	1201.6	1202.8	1205.2
5°	1200.4	1198.0	1198.0	1198.0	1200.4
7.5°	1192.0	1189.6	1188.4	1189.6	1190.8
10°	1180.0	1177.6	1176.4	1177.6	1178.8
12.5°	1163.2	1162.0	1160.8	1160.8	1162.0
15°	1146.4	1141.6	1140.4	1139.2	1140.4
17.5°	1122.5	1121.3	1116.5	1116.5	1116.5
20°	1096.1	1093.7	1090.1	1087.7	1087.7
22.5°	1068.5	1066.1	1060.1	1057.7	1058.9
25°	1037.3	1032.5	1027.7	1025.3	1024.1
27.5°	1003.7	998.9	991.7	988.1	988.1
30°	967.8	964.2	955.8	951.0	949.8
32.5°	928.2	925.8	913.8	911.4	911.4
35°	891.0	883.8	874.2	869.4	868.2
37.5°	846.6	841.8	832.3	826.3	825.1
40°	802.3	796.3	786.7	781.9	780.7
42.5°	757.9	751.9	742.3	736.3	735.1
45°	712.3	707.5	695.5	689.5	689.5
47.5°	669.2	659.6	648.8	644.0	642.8
50°	622.4	614.0	602.0	597.2	597.2
52.5°	575.6	569.6	556.4	554.0	551.6
55°	530.1	520.5	510.9	504.9	503.7
57.5°	480.9	472.5	462.9	458.1	458.1
60°	438.9	428.1	419.7	413.7	413.7
62.5°	390.9	381.3	373.0	369.4	368.2
65°	345.4	338.2	328.6	325.0	325.0
67.5°	299.8	293.8	285.4	281.8	283.0
70°	255.4	251.8	245.8	241.0	239.8
72.5°	214.7	209.9	203.9	202.7	202.7
75°	176.3	170.3	165.5	163.1	166.7
77.5°	136.7	133.1	130.7	129.5	130.7
80°	101.9	97.1	95.9	97.1	97.1
82.5°	70.8	68.4	67.2	67.2	67.2
85°	39.6	39.6	38.4	37.2	36.0
87.5°	15.6	15.6	16.8	16.8	18.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)