

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: P995514

Luminaire Tested: 22D3X-LP-WD-35-L950.ies

Issue Date: 12/20/2023

Test Information

Test Method: LM-79-2019
Report Number: P995514
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-L950.ies
Description: 2x2 D3X-LP AT 3500LM 5000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

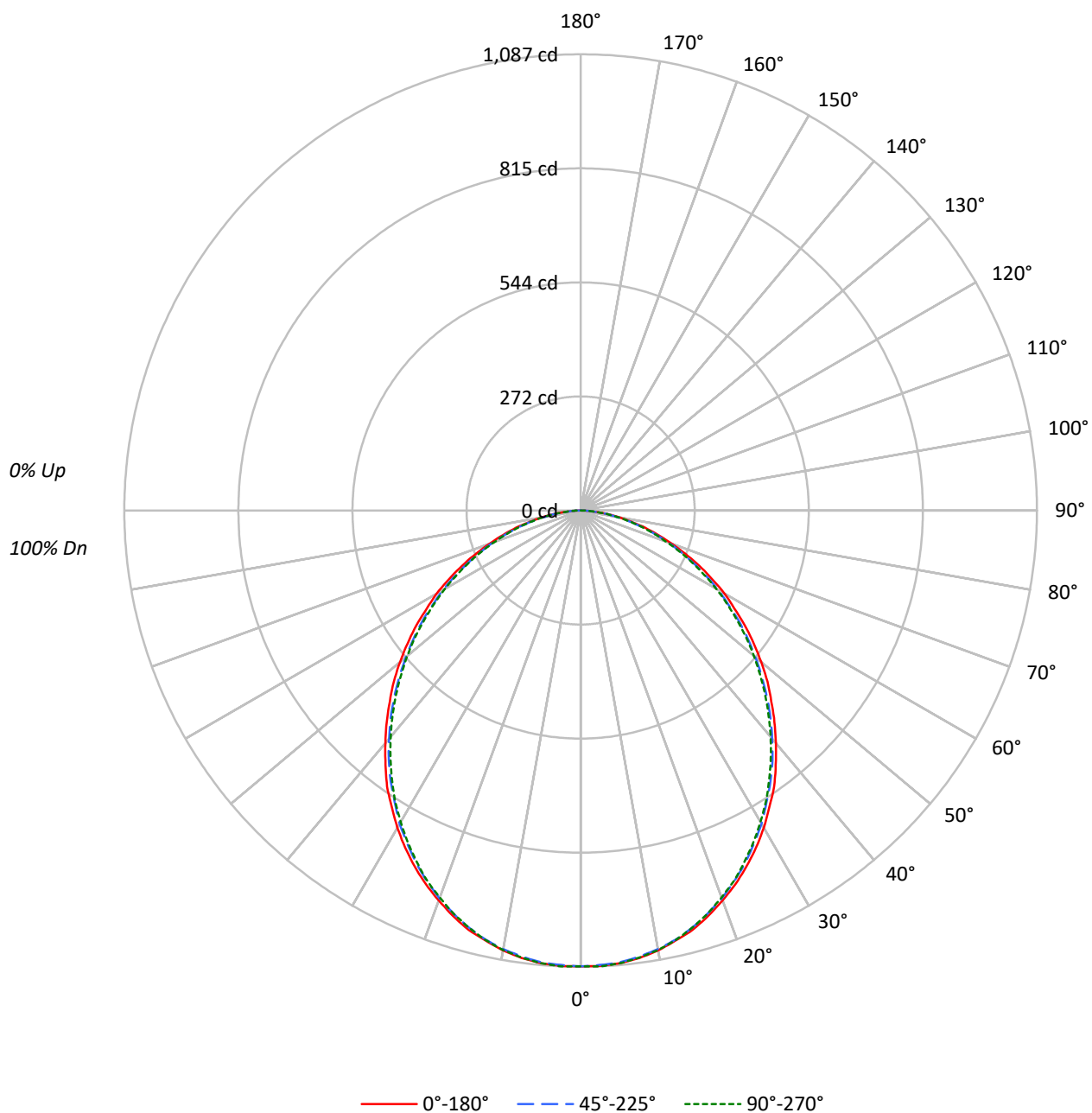
Lumens per Lamp: N/A
Luminaire Lumens: 2713.7 lumens
Efficiency: N/A
Efficacy: 94.2 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 2' x H: 0')
CIE Type: Direct

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		
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°	2922	2922	2922
5°	2925	2919	2925
10°	2908	2899	2905
15°	2881	2866	2866
20°	2831	2816	2810
25°	2778	2752	2743
30°	2712	2679	2662
35°	2640	2590	2573
40°	2542	2493	2474
45°	2445	2388	2367
50°	2350	2273	2255
55°	2243	2162	2131
60°	2131	2038	2009
65°	1983	1887	1866
70°	1813	1744	1702
75°	1653	1552	1563
80°	1424	1340	1358
85°	1102	1068	1000

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2445 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.6	3.8
10°-20°	290.1	10.7
20°-30°	427.2	15.7
30°-40°	494.2	18.2
40°-50°	485.8	17.9
50°-60°	414.1	15.3
60°-70°	296.7	10.9
70°-80°	161.1	5.9
80°-90°	42.0	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°	819.8	30.2
0°-40°	1314.0	48.4
0°-60°	2213.9	81.6
0°-90°	2713.7	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2713.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1086	1086	1086	1086	1086	
5°	1083	1081	1081	1081	1083	103
15°	1034	1030	1029	1028	1029	291
25°	936	931	927	925	924	431
35°	804	797	788	784	783	501
45°	642	638	627	622	622	496
55°	478	469	461	455	454	427
65°	312	305	296	293	293	309
75°	159	154	149	147	150	168
85°	36	36	35	34	32	43
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1086.0	1086.0	1086.0	1086.0	1086.0
2.5°	1086.0	1084.9	1083.8	1084.9	1087.1
5°	1082.7	1080.6	1080.6	1080.6	1082.7
7.5°	1075.2	1073.0	1071.9	1073.0	1074.1
10°	1064.3	1062.2	1061.1	1062.2	1063.3
12.5°	1049.2	1048.1	1047.0	1047.0	1048.1
15°	1034.1	1029.7	1028.6	1027.6	1028.6
17.5°	1012.4	1011.3	1007.0	1007.0	1007.0
20°	988.6	986.5	983.2	981.1	981.1
22.5°	963.7	961.6	956.2	954.0	955.1
25°	935.6	931.3	927.0	924.8	923.7
27.5°	905.3	901.0	894.5	891.3	891.3
30°	872.9	869.6	862.1	857.7	856.7
32.5°	837.2	835.0	824.2	822.1	822.1
35°	803.7	797.2	788.5	784.2	783.1
37.5°	763.6	759.3	750.7	745.3	744.2
40°	723.6	718.2	709.6	705.2	704.2
42.5°	683.6	678.2	669.5	664.1	663.0
45°	642.5	638.2	627.4	621.9	621.9
47.5°	603.6	594.9	585.2	580.8	579.8
50°	561.4	553.8	543.0	538.7	538.7
52.5°	519.2	513.8	501.9	499.7	497.6
55°	478.1	469.4	460.8	455.4	454.3
57.5°	433.7	426.2	417.5	413.2	413.2
60°	395.9	386.1	378.6	373.2	373.2
62.5°	352.6	344.0	336.4	333.1	332.1
65°	311.5	305.0	296.4	293.1	293.1
67.5°	270.4	265.0	257.4	254.2	255.3
70°	230.4	227.1	221.7	217.4	216.3
72.5°	193.6	189.3	183.9	182.8	182.8
75°	159.0	153.6	149.3	147.1	150.3
77.5°	123.3	120.1	117.9	116.8	117.9
80°	91.9	87.6	86.5	87.6	87.6
82.5°	63.8	61.7	60.6	60.6	60.6
85°	35.7	35.7	34.6	33.5	32.4
87.5°	14.1	14.1	15.1	15.1	16.2
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)