

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: P995592

Luminaire Tested: 24D3X-LP-WD-35-L930.ies

Issue Date: 12/21/2023

Test Information

Test Method: LM-79-2019
Report Number: P995592
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2305-008-4)
Test Lab: INNOVATION CENTER
Issue Date: 12/21/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 24D3X-LP-WD-35-L930.ies
Description: 2x4 D3X-LP AT 3500LM 3000K 90CRI
Light Source: -
Ballast/Driver: -

Summary

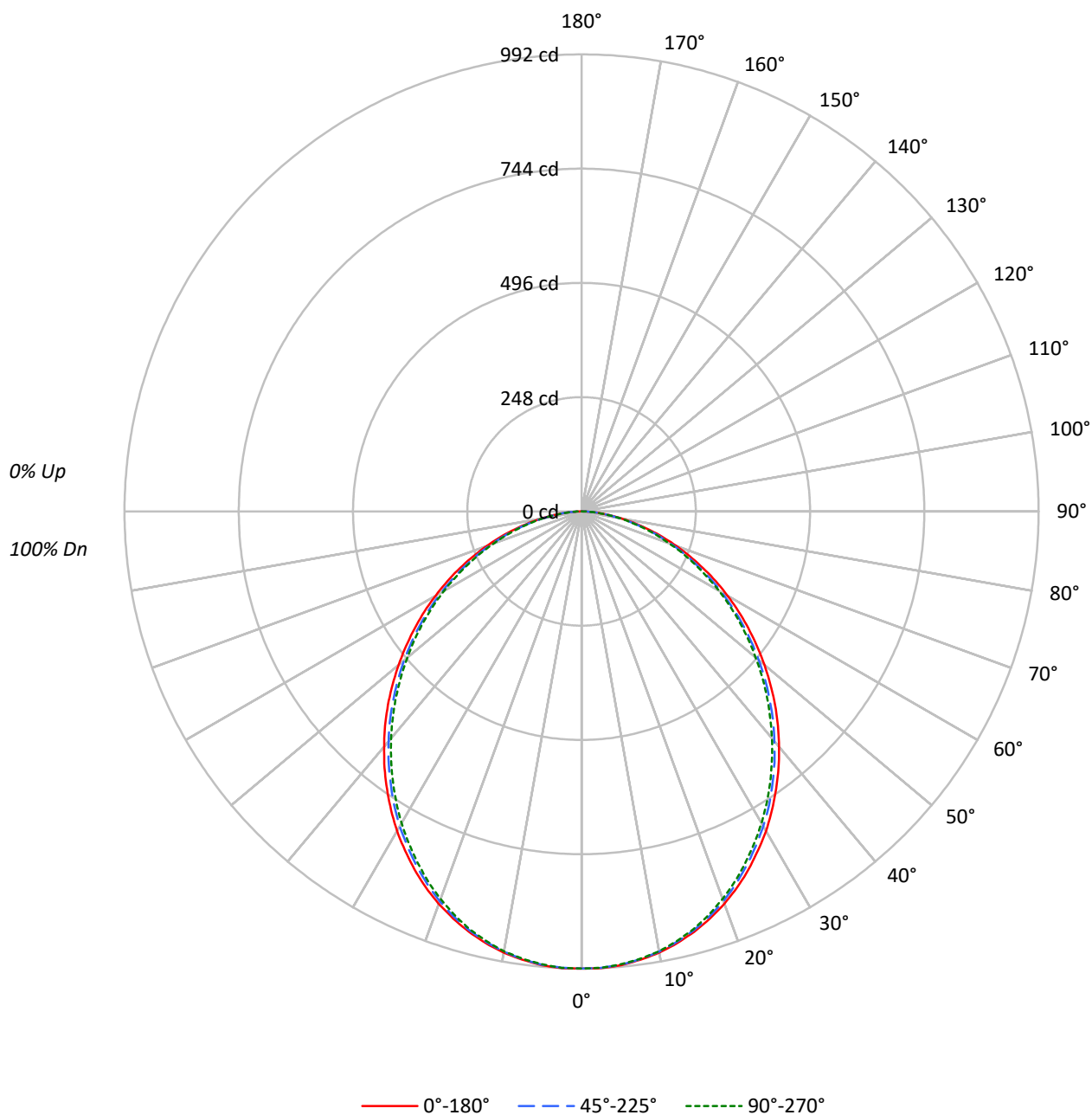
Lumens per Lamp: N/A
Luminaire Lumens: 2502.0 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.18 / 1.29
Luminous Opening: Rectangular (W 2' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 25.3
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	100	97	106	102	99	95	98	95	92	94	92	89	91	89	87	85		
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71		
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	55	48	43	54	47	42	52	46	42	40		
7	66	53	44	38	64	52	44	38	51	43	38	49	42	38	48	42	37	35		
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	33	32		
9	58	44	36	31	56	44	36	31	43	36	31	42	35	30	41	35	30	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°	1335	1335	1335
5°	1335	1334	1333
10°	1329	1326	1324
15°	1316	1311	1308
20°	1298	1289	1281
25°	1273	1259	1249
30°	1245	1226	1214
35°	1209	1186	1173
40°	1171	1144	1130
45°	1131	1099	1083
50°	1085	1051	1033
55°	1037	1001	982
60°	984	945	927
65°	926	883	865
70°	861	815	795
75°	781	738	725
80°	677	641	645
85°	559	551	516

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 1131 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.7	3.7
10°-20°	265.2	10.6
20°-30°	390.9	15.6
30°-40°	452.5	18.1
40°-50°	446.7	17.9
50°-60°	382.7	15.3
60°-70°	276.7	11.1
70°-80°	152.5	6.1
80°-90°	41.1	1.6
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°	749.9	30.0
0°-40°	1202.4	48.1
0°-60°	2031.8	81.2
0°-90°	2502.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2502.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	992	992	992	992	992	
5°	988	988	988	987	987	94
15°	944	943	941	940	939	266
25°	858	855	848	844	842	395
35°	736	732	722	716	714	460
45°	594	586	577	572	569	458
55°	442	434	427	420	419	395
65°	291	284	277	273	272	288
75°	150	146	142	141	140	160
85°	36	36	36	33	33	43
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	992.3	992.3	992.3	992.3	992.3
2.5°	992.3	992.3	991.4	991.4	991.4
5°	988.5	988.1	987.6	986.7	986.7
7.5°	981.5	981.5	980.1	980.1	979.1
10°	972.6	971.6	970.2	970.2	969.3
12.5°	959.9	958.9	957.1	956.6	955.2
15°	944.4	943.4	941.1	939.7	938.7
17.5°	926.5	925.1	922.3	919.9	918.1
20°	906.3	904.4	900.2	897.4	895.0
22.5°	883.3	881.4	875.3	872.0	869.7
25°	857.5	855.1	848.1	843.8	841.5
27.5°	829.7	826.9	818.9	814.2	811.9
30°	801.1	796.8	788.9	783.2	781.3
32.5°	769.1	764.9	756.9	750.3	748.4
35°	736.2	731.5	722.1	716.0	714.2
37.5°	702.4	696.3	687.8	681.7	678.9
40°	666.7	660.6	651.2	644.6	643.2
42.5°	631.0	623.5	615.5	608.9	606.1
45°	594.3	586.4	577.4	571.8	569.0
47.5°	555.8	548.3	540.3	533.7	531.4
50°	518.2	510.2	502.3	496.1	493.3
52.5°	479.7	471.7	464.2	459.0	456.2
55°	442.1	433.7	426.6	420.5	418.6
57.5°	404.1	396.5	388.6	382.9	381.5
60°	365.5	359.0	351.0	345.8	344.4
62.5°	328.4	321.8	314.3	309.2	306.8
65°	290.8	284.3	277.2	273.0	271.6
67.5°	254.2	248.1	242.0	237.7	236.8
70°	218.9	212.8	207.2	203.4	202.0
72.5°	183.7	179.5	173.8	171.5	170.1
75°	150.3	145.6	141.9	141.4	139.5
77.5°	117.9	117.5	111.4	110.4	110.4
80°	87.4	86.0	82.7	81.8	83.2
82.5°	60.1	59.2	57.3	56.9	56.4
85°	36.2	36.2	35.7	33.4	33.4
87.5°	16.4	16.0	15.5	16.0	17.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)