

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: P601229

Luminaire Tested: 14D3X-LP-35-L835

Issue Date: 10/6/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P601229  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2307-104-5)  
Test Lab: INNOVATION CENTER  
Issue Date: 10/6/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 14D3X-LP-35-L835  
Description: 1x4 D3X-LP AT 3500lm 3500K 80CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

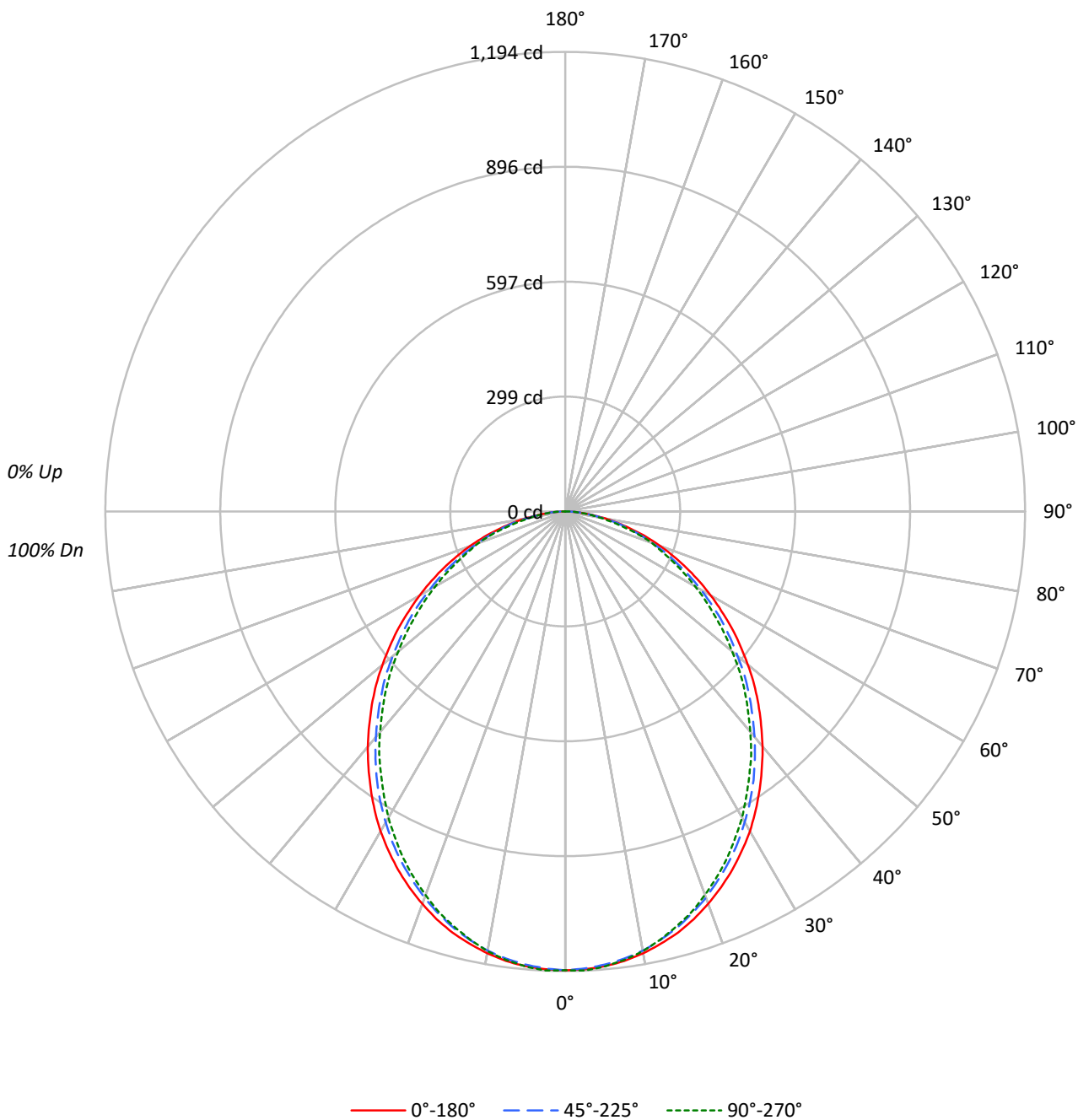
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2949.0 lumens  
Efficiency: N/A  
Efficacy: 92.7 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.27  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct  
  
Input Watts (W): 31.8  
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				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	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	79	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	67	63	60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52
5	77	65	56	49	75	63	55	49	61	54	48	59	53	48	58	52	47	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	35
8	62	48	40	34	60	48	40	34	46	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°	3208	3208	3208
5°	3203	3193	3205
10°	3185	3166	3170
15°	3154	3120	3109
20°	3107	3058	3036
25°	3049	2984	2952
30°	2981	2897	2853
35°	2892	2800	2739
40°	2801	2686	2626
45°	2700	2571	2509
50°	2591	2445	2367
55°	2478	2328	2230
60°	2350	2187	2100
65°	2217	2049	1961
70°	2062	1910	1885
75°	1855	1765	1637
80°	1635	1526	1406
85°	1318	1318	1294

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2700 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.3	3.8
10°-20°	316.2	10.7
20°-30°	463.7	15.7
30°-40°	534.1	18.1
40°-50°	524.1	17.8
50°-60°	445.9	15.1
60°-70°	322.4	10.9
70°-80°	180.1	6.1
80°-90°	50.2	1.7
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°	892.2	30.3
0°-40°	1426.3	48.4
0°-60°	2396.3	81.3
0°-90°	2949.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2949.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1192	1192	1192	1192	1192	
5°	1186	1186	1182	1186	1187	113
15°	1132	1128	1120	1118	1116	319
25°	1027	1018	1005	997	994	473
35°	880	869	852	839	834	551
45°	710	696	676	662	659	547
55°	528	514	496	482	475	472
65°	348	339	322	309	308	345
75°	178	176	170	160	157	191
85°	43	45	43	42	42	51
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1192.0	1192.0	1192.0	1192.0	1192.0
2.5°	1190.4	1190.4	1188.1	1192.8	1193.6
5°	1185.8	1185.8	1181.9	1185.8	1186.6
7.5°	1178.0	1176.5	1171.8	1174.9	1174.9
10°	1165.6	1164.1	1158.7	1159.4	1160.2
12.5°	1150.1	1147.8	1140.8	1140.0	1139.3
15°	1132.3	1128.4	1119.9	1118.3	1116.0
17.5°	1110.6	1105.1	1095.1	1092.7	1091.2
20°	1085.0	1078.0	1067.9	1062.5	1060.2
22.5°	1057.1	1049.3	1036.9	1031.5	1028.4
25°	1026.8	1018.3	1005.1	997.3	994.2
27.5°	993.5	984.2	970.2	960.1	956.2
30°	959.3	947.7	932.2	922.1	918.2
32.5°	920.6	908.2	893.4	881.0	875.6
35°	880.2	868.6	852.3	839.1	833.7
37.5°	839.1	828.3	808.9	797.3	793.4
40°	797.3	784.8	764.7	750.7	747.6
42.5°	753.0	742.2	719.7	708.1	702.6
45°	709.6	695.7	675.5	662.3	659.2
47.5°	665.4	649.9	632.1	617.3	613.4
50°	618.9	604.9	584.0	570.8	565.4
52.5°	573.1	560.7	539.8	525.0	521.2
55°	528.1	514.2	496.3	482.4	475.4
57.5°	480.8	470.0	451.4	438.2	432.7
60°	436.6	424.2	406.4	395.5	390.1
62.5°	391.6	379.2	364.5	352.9	348.2
65°	348.2	338.9	321.8	309.4	307.9
67.5°	304.8	297.0	282.3	269.9	270.7
70°	262.1	255.2	242.7	235.0	239.6
72.5°	221.8	217.9	204.0	198.5	200.9
75°	178.4	176.0	169.8	159.8	157.4
77.5°	141.9	143.5	136.5	124.1	121.0
80°	105.5	109.4	98.5	94.6	90.7
82.5°	72.9	78.3	69.0	65.9	64.4
85°	42.7	45.0	42.7	41.9	41.9
87.5°	17.8	20.9	20.9	21.7	22.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)