

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: P601230

Luminaire Tested: 14D3X-LP-35-L840

Issue Date: 10/6/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P601230  
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-L840  
Description: 1x4 D3X-LP AT 3500lm 4000K 80CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

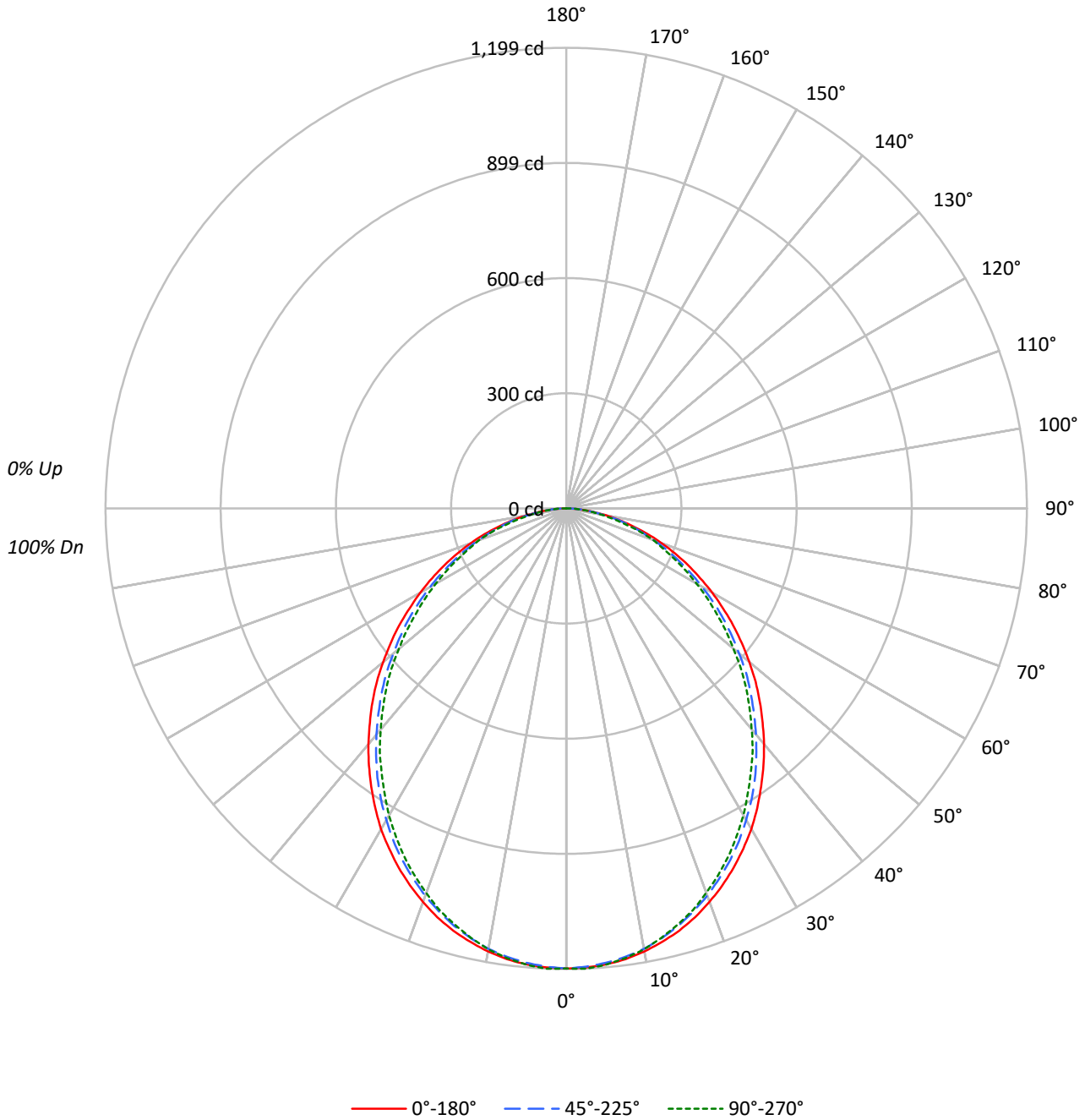
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2963.0 lumens  
Efficiency: N/A  
Efficacy: 93.2 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	
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	
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°	3223	3223	3223
5°	3218	3208	3220
10°	3200	3181	3185
15°	3170	3135	3124
20°	3122	3073	3050
25°	3063	2999	2966
30°	2995	2910	2867
35°	2905	2813	2752
40°	2814	2699	2639
45°	2713	2583	2520
50°	2603	2457	2378
55°	2489	2340	2241
60°	2361	2197	2109
65°	2228	2059	1969
70°	2072	1919	1895
75°	1863	1774	1645
80°	1643	1534	1413
85°	1325	1325	1300

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 2713 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	112.9	3.8
10°-20°	317.7	10.7
20°-30°	465.9	15.7
30°-40°	536.6	18.1
40°-50°	526.6	17.8
50°-60°	448.0	15.1
60°-70°	323.9	10.9
70°-80°	181.0	6.1
80°-90°	50.4	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°	896.5	30.3
0°-40°	1433.1	48.4
0°-60°	2407.7	81.3
0°-90°	2963.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2963.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1198	1198	1198	1198	1198	
5°	1191	1191	1188	1191	1192	113
15°	1138	1134	1125	1124	1121	321
25°	1032	1023	1010	1002	999	475
35°	884	873	856	843	838	553
45°	713	699	679	666	662	550
55°	531	517	499	485	478	474
65°	350	340	323	311	309	346
75°	179	177	171	160	158	192
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°	1197.7	1197.7	1197.7	1197.7	1197.7
2.5°	1196.1	1196.1	1193.8	1198.4	1199.2
5°	1191.4	1191.4	1187.5	1191.4	1192.2
7.5°	1183.6	1182.1	1177.4	1180.5	1180.5
10°	1171.2	1169.6	1164.2	1164.9	1165.7
12.5°	1155.6	1153.2	1146.2	1145.5	1144.7
15°	1137.7	1133.8	1125.2	1123.6	1121.3
17.5°	1115.8	1110.4	1100.3	1097.9	1096.4
20°	1090.1	1083.1	1073.0	1067.5	1065.2
22.5°	1062.1	1054.3	1041.8	1036.4	1033.2
25°	1031.7	1023.1	1009.9	1002.1	999.0
27.5°	998.2	988.8	974.8	964.7	960.8
30°	963.9	952.2	936.6	926.5	922.6
32.5°	924.9	912.5	897.7	885.2	879.7
35°	884.4	872.7	856.4	843.1	837.7
37.5°	843.1	832.2	812.7	801.0	797.1
40°	801.0	788.6	768.3	754.3	751.2
42.5°	756.6	745.7	723.1	711.4	706.0
45°	713.0	699.0	678.7	665.5	662.3
47.5°	668.6	653.0	635.1	620.3	616.4
50°	621.8	607.8	586.8	573.5	568.1
52.5°	575.8	563.4	542.3	527.5	523.6
55°	530.6	516.6	498.7	484.7	477.7
57.5°	483.1	472.2	453.5	440.3	434.8
60°	438.7	426.2	408.3	397.4	391.9
62.5°	393.5	381.0	366.2	354.5	349.9
65°	349.9	340.5	323.4	310.9	309.3
67.5°	306.2	298.4	283.6	271.2	271.9
70°	263.4	256.4	243.9	236.1	240.8
72.5°	222.9	219.0	204.9	199.5	201.8
75°	179.2	176.9	170.6	160.5	158.2
77.5°	142.6	144.2	137.1	124.7	121.6
80°	106.0	109.9	99.0	95.1	91.2
82.5°	73.2	78.7	69.4	66.2	64.7
85°	42.9	45.2	42.9	42.1	42.1
87.5°	17.9	21.0	21.0	21.8	22.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)