

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: P#

Luminaire Tested: 14D3X-LP-WD-20-L830.ies

Issue Date: 2/27/2025

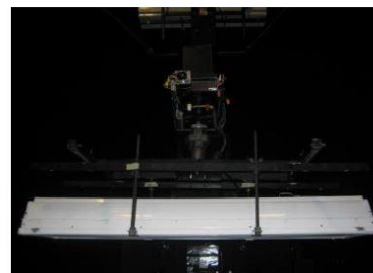
**Test Information**

Test Method: LM-79-2019  
Report Number: P#  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P601206)  
Test Lab: INNOVATION CENTER  
Issue Date: 2/27/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: 14D3X-LP-WD-20-L830.ies  
Description: 1x4 D3X-LP ROUND PERF AT 2000lm 3000K 80CRI  
Light Source: -  
Ballast/Driver: -

**Summary**

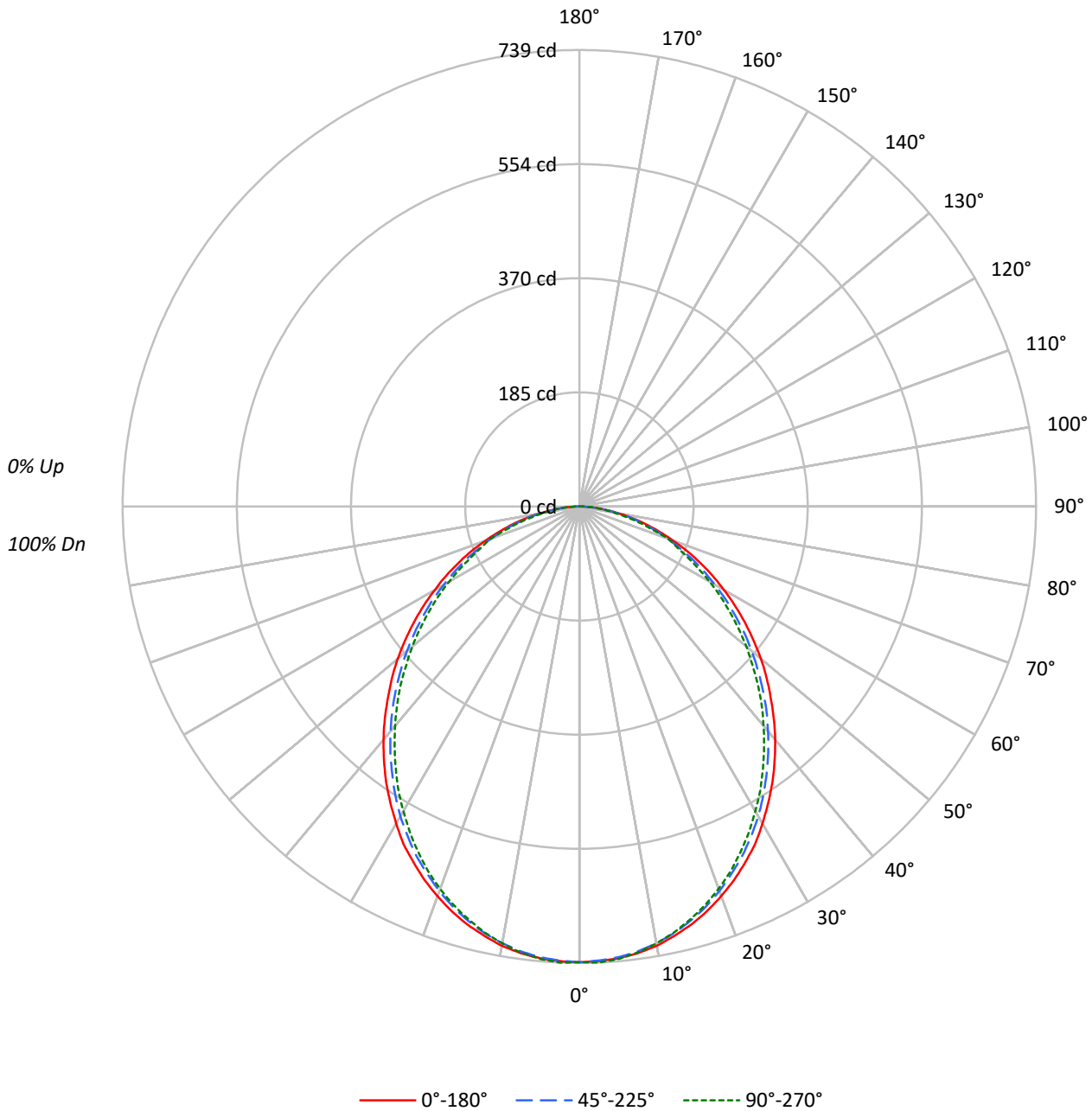
Lumens per Lamp: N/A  
Luminaire Lumens: 1832.4 lumens  
Efficiency: N/A  
Efficacy: 80.7 lumens/watt  
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.28  
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')  
CIE Type: Direct

Input Watts (W): 22.7  
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	98	95	98	95	92	94	92	89	91	88	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	56	48	43	54	47	42	52	46	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	36	31	56	44	36	31	43	36	31	42	35	31	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°	1986	1986	1986
5°	1983	1979	1986
10°	1973	1962	1963
15°	1952	1935	1929
20°	1922	1897	1887
25°	1887	1853	1832
30°	1842	1800	1769
35°	1790	1735	1701
40°	1732	1669	1629
45°	1666	1598	1556
50°	1606	1524	1477
55°	1533	1444	1393
60°	1452	1362	1309
65°	1370	1280	1221
70°	1266	1194	1206
75°	1166	1098	1042
80°	1017	973	872
85°	852	803	803

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 1666 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	69.6	3.8
10°-20°	196.1	10.7
20°-30°	287.7	15.7
30°-40°	331.4	18.1
40°-50°	325.3	17.8
50°-60°	277.3	15.1
60°-70°	200.6	10.9
70°-80°	112.8	6.2
80°-90°	31.5	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°	553.4	30.2
0°-40°	884.8	48.3
0°-60°	1487.4	81.2
0°-90°	1832.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1832.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	738	738	738	738	738	
5°	734	735	732	735	735	70
15°	700	699	695	694	692	197
25°	636	631	624	619	617	293
35°	545	538	528	521	518	340
45°	438	432	420	412	409	338
55°	327	320	308	300	297	292
65°	215	209	201	193	192	213
75°	112	110	106	101	100	119
85°	28	29	26	26	26	32
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	737.9	737.9	737.9	737.9	737.9
2.5°	736.8	737.4	735.7	738.5	739.0
5°	734.1	734.7	732.5	734.7	735.2
7.5°	729.2	729.2	726.5	728.2	728.2
10°	722.2	721.1	717.9	718.4	718.4
12.5°	711.9	711.9	707.6	707.6	706.5
15°	700.5	699.4	694.6	693.5	692.4
17.5°	687.0	685.4	679.9	677.8	676.7
20°	671.3	668.6	662.6	659.9	658.8
22.5°	654.5	650.7	643.6	640.4	639.3
25°	635.5	630.6	624.1	619.3	617.1
27.5°	616.0	611.1	601.9	596.5	594.3
30°	592.7	587.8	579.2	572.7	569.4
32.5°	568.9	564.5	554.2	547.2	545.0
35°	545.0	538.5	528.2	521.2	517.9
37.5°	519.0	513.6	502.2	494.6	490.9
40°	493.0	487.6	475.1	467.0	463.8
42.5°	465.9	458.9	448.1	439.4	436.7
45°	437.8	432.3	419.9	411.8	409.0
47.5°	411.2	403.1	391.7	383.6	379.8
50°	383.6	376.0	364.1	355.4	352.7
52.5°	354.9	348.4	336.4	327.8	324.5
55°	326.7	319.7	307.7	300.1	296.9
57.5°	298.5	292.0	281.2	272.5	270.3
60°	269.8	263.8	253.0	246.0	243.3
62.5°	243.3	236.2	226.5	219.4	216.7
65°	215.1	209.1	201.0	193.4	191.8
67.5°	189.1	184.7	174.5	169.0	169.6
70°	160.9	160.9	151.7	146.3	153.3
72.5°	136.0	136.5	128.4	125.2	122.4
75°	112.1	110.0	105.6	101.3	100.2
77.5°	88.3	89.4	85.6	77.5	76.4
80°	65.6	71.5	62.8	57.4	56.3
82.5°	45.0	50.9	43.3	40.6	40.1
85°	27.6	28.7	26.0	26.0	26.0
87.5°	11.9	13.5	13.0	13.0	13.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)