

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: P601254

Luminaire Tested: 14D3X-LP-55-L840

Issue Date: 10/6/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P601254  
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-55-L840  
Description: 1x4 D3X-LP AT 5500lm 4000K 80CRI  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

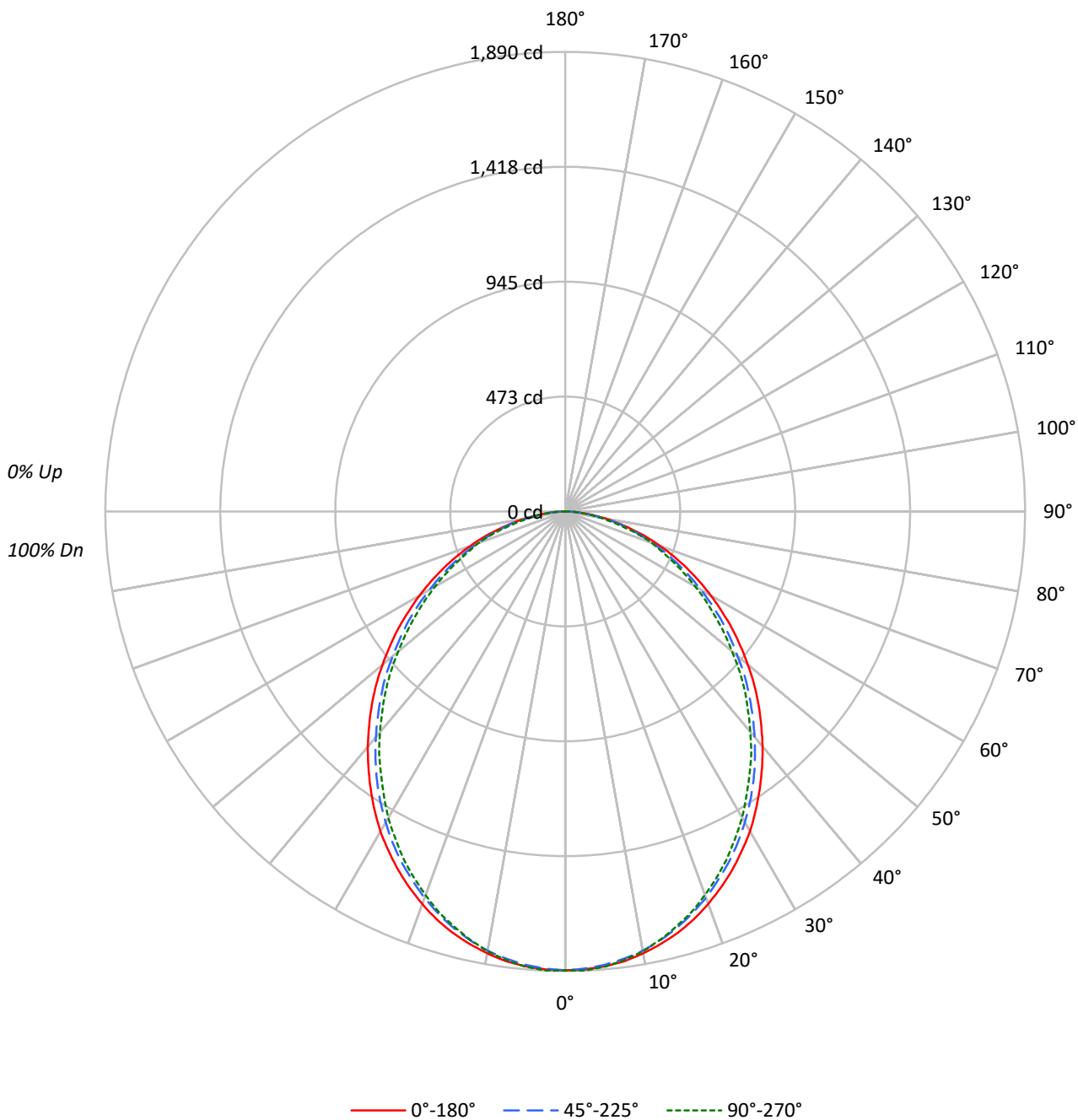
**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4669.0 lumens  
Efficiency: N/A  
Efficacy: 86.3 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): 54.1  
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°	5078	5078	5078
5°	5071	5055	5075
10°	5043	5012	5019
15°	4994	4939	4922
20°	4919	4842	4807
25°	4827	4725	4674
30°	4720	4586	4517
35°	4578	4433	4336
40°	4434	4253	4158
45°	4276	4070	3972
50°	4102	3871	3747
55°	3923	3687	3531
60°	3721	3463	3324
65°	3510	3245	3104
70°	3265	3024	2985
75°	2936	2796	2592
80°	2588	2416	2227
85°	2084	2084	2047

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4276 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	177.9	3.8
10°-20°	500.6	10.7
20°-30°	734.1	15.7
30°-40°	845.6	18.1
40°-50°	829.7	17.8
50°-60°	706.0	15.1
60°-70°	510.4	10.9
70°-80°	285.2	6.1
80°-90°	79.4	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°	1412.6	30.3
0°-40°	2258.2	48.4
0°-60°	3793.9	81.3
0°-90°	4669.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4669.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1887	1887	1887	1887	1887	
5°	1877	1877	1871	1877	1879	178
15°	1793	1786	1773	1771	1767	505
25°	1626	1612	1591	1579	1574	748
35°	1394	1375	1349	1329	1320	872
45°	1124	1101	1070	1049	1044	866
55°	836	814	786	764	753	747
65°	551	537	510	490	488	546
75°	282	279	269	253	249	303
85°	68	71	68	66	66	80
90°	0	0	0	0	0	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1887.2	1887.2	1887.2	1887.2	1887.2
2.5°	1884.8	1884.8	1881.1	1888.5	1889.7
5°	1877.4	1877.4	1871.3	1877.4	1878.6
7.5°	1865.1	1862.7	1855.3	1860.2	1860.2
10°	1845.5	1843.0	1834.4	1835.7	1836.9
12.5°	1820.9	1817.2	1806.2	1805.0	1803.7
15°	1792.7	1786.5	1773.0	1770.6	1766.9
17.5°	1758.3	1749.7	1733.7	1730.1	1727.6
20°	1717.8	1706.7	1690.8	1682.2	1678.5
22.5°	1673.6	1661.3	1641.7	1633.1	1628.2
25°	1625.7	1612.2	1591.3	1579.0	1574.1
27.5°	1572.9	1558.2	1536.1	1520.1	1514.0
30°	1518.9	1500.5	1475.9	1459.9	1453.8
32.5°	1457.5	1437.8	1414.5	1394.9	1386.3
35°	1393.6	1375.2	1349.4	1328.6	1320.0
37.5°	1328.6	1311.4	1280.7	1262.2	1256.1
40°	1262.2	1242.6	1210.7	1188.6	1183.7
42.5°	1192.3	1175.1	1139.5	1121.0	1112.4
45°	1123.5	1101.4	1069.5	1048.6	1043.7
47.5°	1053.5	1029.0	1000.7	977.4	971.2
50°	979.8	957.7	924.6	903.7	895.1
52.5°	907.4	887.7	854.6	831.3	825.1
55°	836.2	814.1	785.8	763.7	752.7
57.5°	761.3	744.1	714.6	693.7	685.2
60°	691.3	671.6	643.4	626.2	617.6
62.5°	620.1	600.4	577.1	558.7	551.3
65°	551.3	536.6	509.6	489.9	487.5
67.5°	482.6	470.3	446.9	427.3	428.5
70°	415.0	404.0	384.3	372.0	379.4
72.5°	351.2	345.0	322.9	314.3	318.0
75°	282.4	278.7	268.9	252.9	249.3
77.5°	224.7	227.2	216.1	196.5	191.5
80°	167.0	173.1	155.9	149.8	143.7
82.5°	115.4	124.0	109.3	104.4	101.9
85°	67.5	71.2	67.5	66.3	66.3
87.5°	28.2	33.2	33.2	34.4	35.6
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)