Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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-45-L850.ies

Issue Date: 2/27/2025

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Scaled Data Report

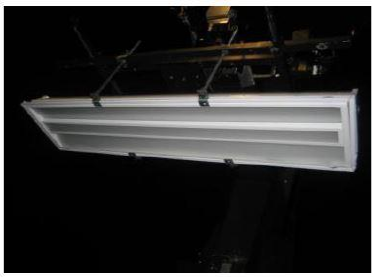
Test Information

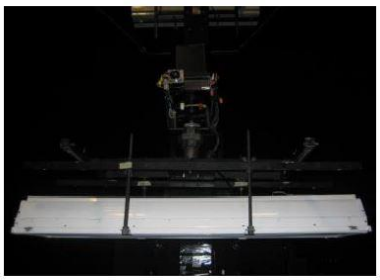
Test Method:	LM-79-2019
Report Number:	P#
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P601206)
Test Lab:	INNOVATION CENTER
Issue Date:	2/27/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	14D3X-LP-45-L850.ies
Description:	1x4 D3X-LP AT 4500lm 5000K 80CRI
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4771.4 lumens
Efficiency:	N/A
Efficacy:	88.2 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):	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



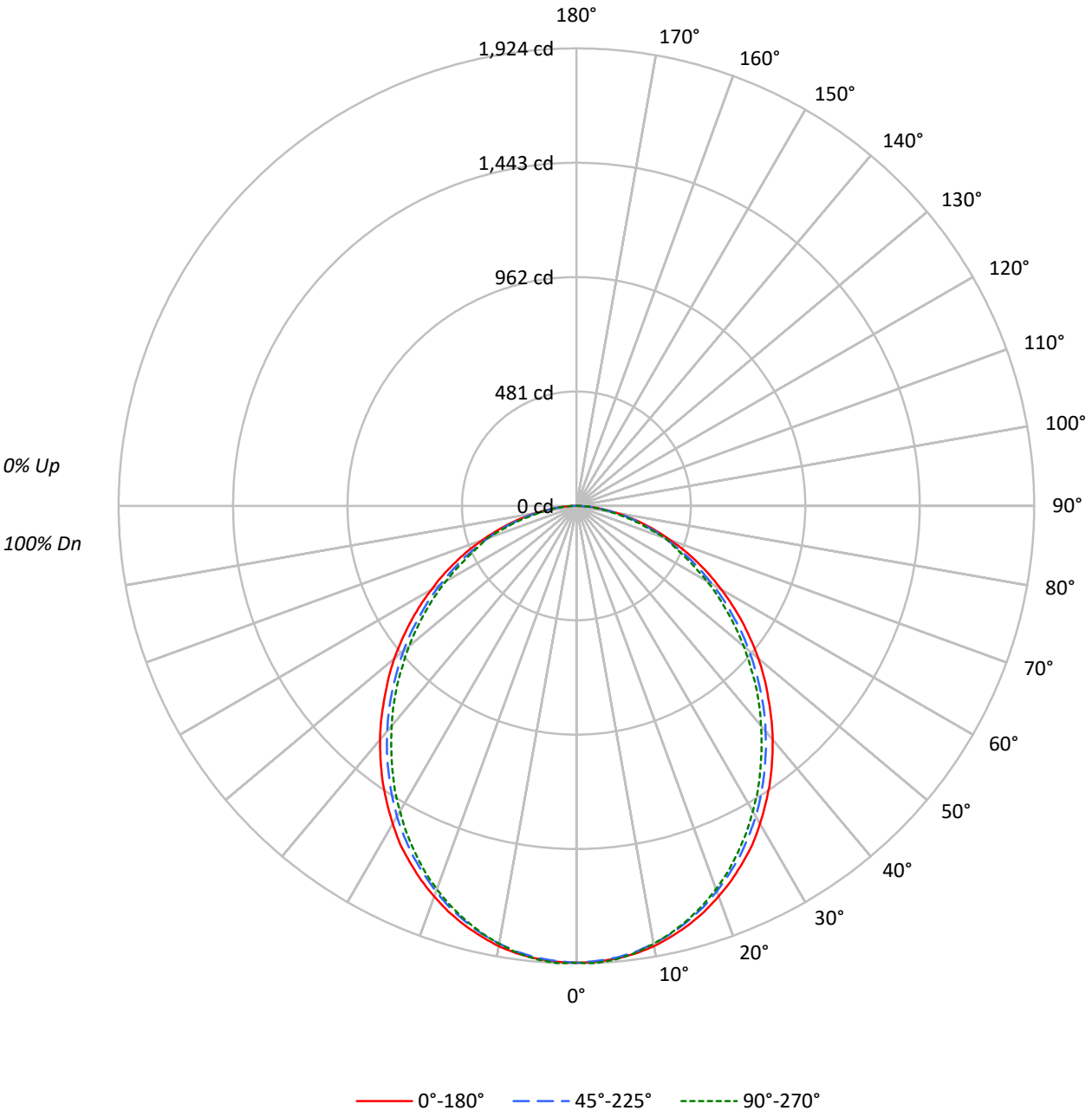


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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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°	5171	5171	5171
5°	5164	5152	5171
10°	5139	5108	5112
15°	5082	5039	5023
20°	5005	4941	4913
25°	4913	4825	4771
30°	4796	4686	4607
35°	4662	4519	4431
40°	4510	4346	4242
45°	4338	4161	4053
50°	4181	3969	3845
55°	3991	3759	3627
60°	3781	3546	3409
65°	3566	3333	3180
70°	3297	3108	3141
75°	3036	2860	2714
80°	2645	2535	2273
85°	2220	2090	2090

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 4338 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	181.3	3.8
10°-20°	510.5	10.7
20°-30°	749.2	15.7
30°-40°	862.9	18.1
40°-50°	847.0	17.8
50°-60°	722.2	15.1
60°-70°	522.4	10.9
70°-80°	293.8	6.2
80°-90°	82.1	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°	1441.0	30.2
0°-40°	2303.9	48.3
0°-60°	3873.1	81.2
0°-90°	4771.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4771.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1922	1922	1922	1922	1922	
5°	1912	1913	1907	1913	1914	181
15°	1824	1821	1809	1806	1803	514
25°	1655	1642	1625	1612	1607	762
35°	1419	1402	1376	1357	1349	887
45°	1140	1126	1093	1072	1065	881
55°	851	832	801	782	773	761
65°	560	545	523	504	499	556
75°	292	286	275	264	261	309
85°	72	75	68	68	68	83
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1921.5	1921.5	1921.5	1921.5	*1921.5*
2.5°	*1918.6*	*1920.1*	*1915.8*	*1922.9*	*1924.3*
5°	1911.6	1913.0	1907.4	1913.0	*1914.4*
7.5°	1898.9	1898.9	1891.8	1896.1	*1896.1*
10°	1880.6	1877.7	1869.3	1870.7	*1870.7*
12.5°	1853.7	1853.7	1842.5	1842.5	*1839.6*
15°	1824.1	1821.3	1808.6	1805.8	*1803.0*
17.5°	1788.9	1784.6	1770.5	1764.9	*1762.0*
20°	1747.9	1740.9	1725.4	1718.3	*1715.5*
22.5°	1704.2	1694.3	1676.0	1667.5	*1664.7*
25°	1654.8	1642.1	1625.2	1612.5	*1606.9*
27.5°	1604.0	1591.3	1567.4	1553.3	*1547.6*
30°	1543.4	1530.7	1508.1	1491.2	*1482.7*
32.5°	1481.3	1470.0	1443.2	1424.9	*1419.2*
35°	1419.2	1402.3	1375.5	1357.2	*1348.7*
37.5°	1351.5	1337.4	1307.8	1288.0	*1278.2*
40°	1283.8	1269.7	1237.2	1216.1	*1207.6*
42.5°	1213.3	1194.9	1166.7	1144.1	*1137.1*
45°	1139.9	1125.8	1093.3	1072.2	*1065.1*
47.5°	1070.8	1049.6	1020.0	998.8	*988.9*
50°	998.8	979.1	948.0	925.5	*918.4*
52.5°	924.1	907.1	876.1	853.5	*845.0*
55°	850.7	832.4	801.3	781.6	*773.1*
57.5°	777.3	760.4	732.2	709.6	*704.0*
60°	702.6	687.0	658.8	640.5	*633.4*
62.5°	633.4	615.1	589.7	571.4	*564.3*
65°	560.1	544.6	523.4	503.6	*499.4*
67.5°	492.4	481.1	454.3	440.2	*441.6*
70°	419.0	419.0	395.0	380.9	*399.2*
72.5°	354.1	355.5	334.4	325.9	*318.8*
75°	292.0	286.4	275.1	263.8	*261.0*
77.5°	230.0	232.8	222.9	201.7	*198.9*
80°	170.7	186.2	163.6	149.5	*146.7*
82.5°	117.1	132.6	112.9	105.8	*104.4*
85°	71.9	74.8	67.7	67.7	*67.7*
87.5°	31.0	35.3	33.9	33.9	*35.3*
90°	0.0	0.0	0.0	0.0	*0.0*

(END OF REPORT)