

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: P601219

Luminaire Tested: 14D3X-LP-25-L930

Issue Date: 10/6/2023

Test Information

Test Method: LM-79-2019
Report Number: P601219
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-25-L930
Description: 1x4 D3X-LP AT 2500lm 3000K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

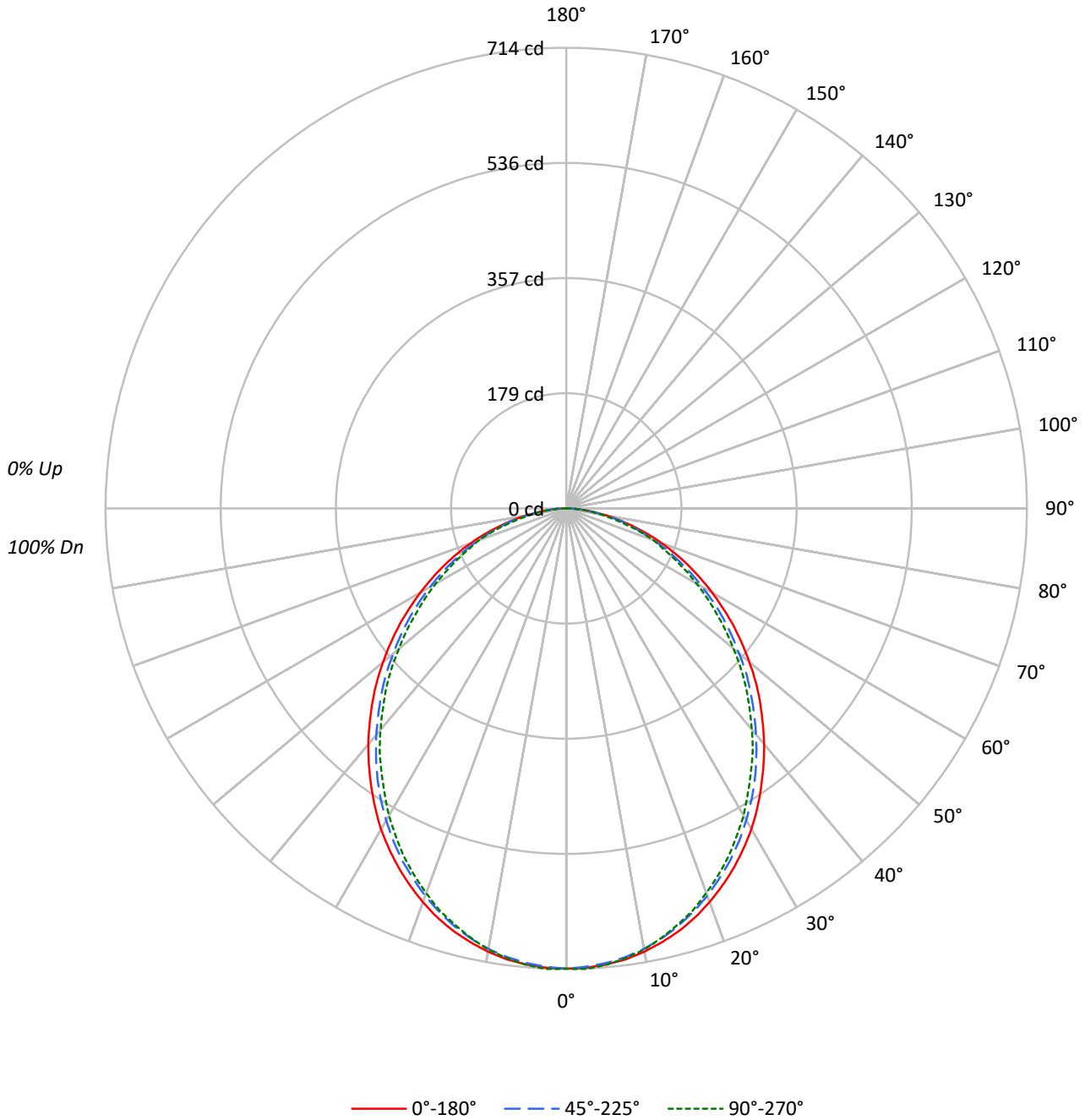
Lumens per Lamp: N/A
Luminaire Lumens: 1765.0 lumens
Efficiency: N/A
Efficacy: 77.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.27
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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	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°	1920	1920	1920
5°	1917	1911	1918
10°	1906	1895	1897
15°	1888	1867	1861
20°	1860	1830	1817
25°	1825	1786	1767
30°	1784	1734	1708
35°	1731	1676	1639
40°	1676	1608	1572
45°	1616	1539	1501
50°	1551	1463	1417
55°	1483	1394	1335
60°	1406	1309	1257
65°	1327	1226	1174
70°	1234	1143	1128
75°	1110	1057	979
80°	978	913	841
85°	787	787	775

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1616 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.2	3.8
10°-20°	189.2	10.7
20°-30°	277.5	15.7
30°-40°	319.7	18.1
40°-50°	313.7	17.8
50°-60°	266.9	15.1
60°-70°	193.0	10.9
70°-80°	107.8	6.1
80°-90°	30.0	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°	534.0	30.3
0°-40°	853.7	48.4
0°-60°	1434.2	81.3
0°-90°	1765.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1765.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	713	713	713	713	713	
5°	710	710	707	710	710	67
15°	678	675	670	669	668	191
25°	615	609	602	597	595	283
35°	527	520	510	502	499	330
45°	425	416	404	396	394	328
55°	316	308	297	289	284	282
65°	208	203	193	185	184	206
75°	107	105	102	96	94	115
85°	26	27	26	25	25	30
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	713.4	713.4	713.4	713.4	713.4
2.5°	712.5	712.5	711.1	713.9	714.4
5°	709.7	709.7	707.4	709.7	710.2
7.5°	705.1	704.1	701.4	703.2	703.2
10°	697.6	696.7	693.5	693.9	694.4
12.5°	688.4	687.0	682.8	682.3	681.9
15°	677.7	675.4	670.3	669.3	667.9
17.5°	664.7	661.4	655.4	654.0	653.1
20°	649.4	645.2	639.2	635.9	634.5
22.5°	632.7	628.0	620.6	617.3	615.5
25°	614.6	609.4	601.6	596.9	595.1
27.5°	594.6	589.0	580.7	574.6	572.3
30°	574.2	567.2	557.9	551.9	549.6
32.5°	551.0	543.5	534.7	527.3	524.0
35°	526.8	519.9	510.1	502.2	499.0
37.5°	502.2	495.7	484.1	477.2	474.8
40°	477.2	469.7	457.7	449.3	447.5
42.5°	450.7	444.2	430.7	423.8	420.5
45°	424.7	416.4	404.3	396.4	394.5
47.5°	398.3	389.0	378.3	369.5	367.2
50°	370.4	362.0	349.5	341.6	338.4
52.5°	343.0	335.6	323.1	314.2	311.9
55°	316.1	307.7	297.1	288.7	284.5
57.5°	287.8	281.3	270.1	262.3	259.0
60°	261.3	253.9	243.2	236.7	233.5
62.5°	234.4	227.0	218.2	211.2	208.4
65°	208.4	202.8	192.6	185.2	184.3
67.5°	182.4	177.8	169.0	161.5	162.0
70°	156.9	152.7	145.3	140.6	143.4
72.5°	132.8	130.4	122.1	118.8	120.2
75°	106.8	105.4	101.7	95.6	94.2
77.5°	84.9	85.9	81.7	74.3	72.4
80°	63.1	65.4	58.9	56.6	54.3
82.5°	43.6	46.9	41.3	39.5	38.5
85°	25.5	26.9	25.5	25.1	25.1
87.5°	10.7	12.5	12.5	13.0	13.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)