

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: P601216

Luminaire Tested: 14D3X-LP-25-L830

Issue Date: 10/6/2023

Test Information

Test Method: LM-79-2019
Report Number: P601216
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-L830
Description: 1x4 D3X-LP AT 2500lm 3000K 80CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

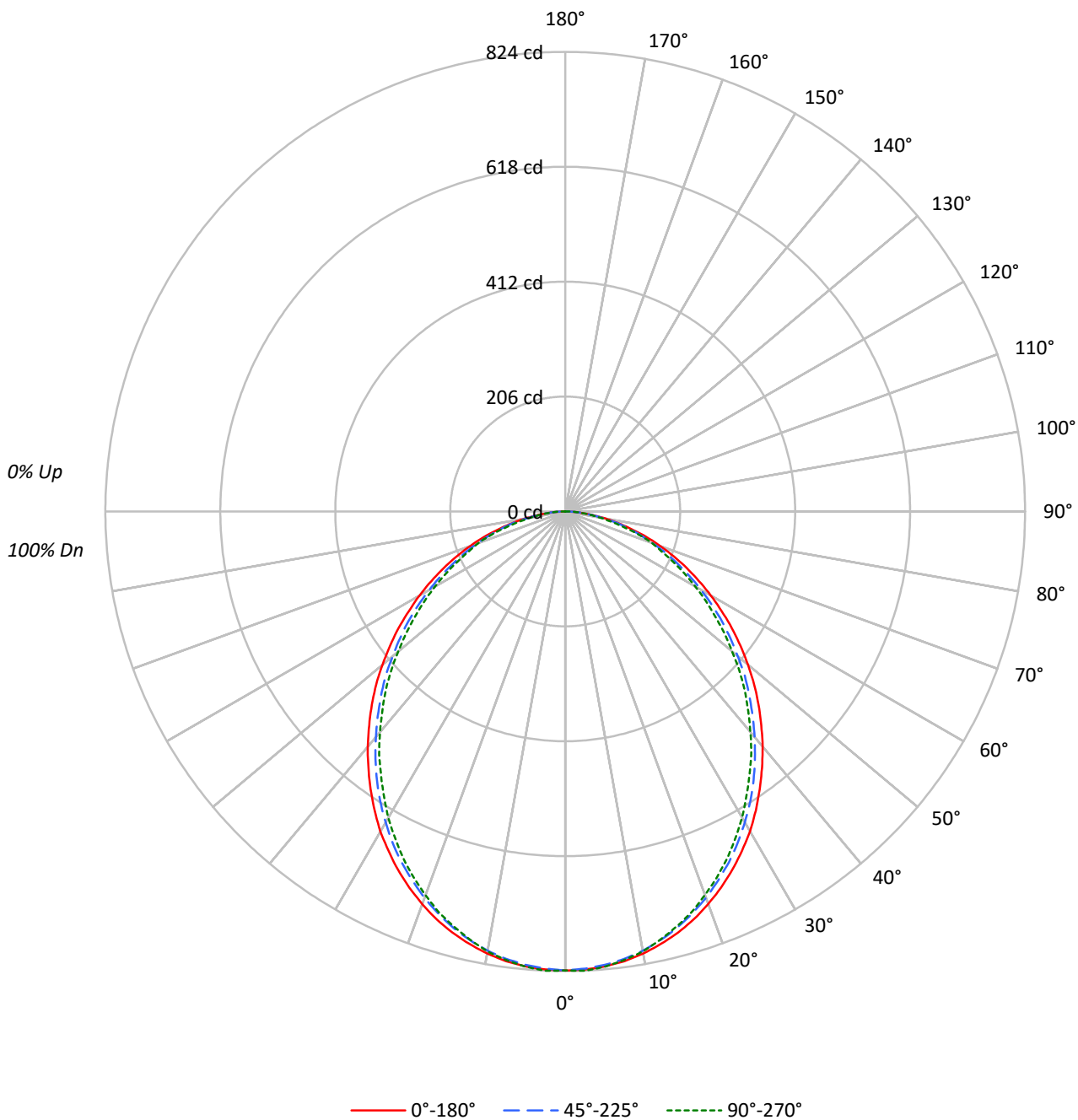
Lumens per Lamp: N/A
Luminaire Lumens: 2036.0 lumens
Efficiency: N/A
Efficacy: 89.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.27
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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	
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°	2215	2215	2215
5°	2212	2204	2213
10°	2199	2186	2189
15°	2178	2154	2147
20°	2145	2111	2096
25°	2105	2060	2038
30°	2058	2000	1970
35°	1996	1933	1891
40°	1933	1854	1813
45°	1864	1775	1732
50°	1789	1688	1634
55°	1711	1608	1540
60°	1622	1510	1449
65°	1531	1415	1354
70°	1424	1319	1301
75°	1280	1220	1130
80°	1128	1054	970
85°	908	908	892

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 1864 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.6	3.8
10°-20°	218.3	10.7
20°-30°	320.1	15.7
30°-40°	368.7	18.1
40°-50°	361.8	17.8
50°-60°	307.8	15.1
60°-70°	222.6	10.9
70°-80°	124.4	6.1
80°-90°	34.6	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°	616.0	30.3
0°-40°	984.7	48.4
0°-60°	1654.4	81.3
0°-90°	2036.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2036.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	823	823	823	823	823	
5°	819	819	816	819	819	78
15°	782	779	773	772	770	220
25°	709	703	694	689	686	326
35°	608	600	588	579	576	380
45°	490	480	466	457	455	378
55°	365	355	343	333	328	326
65°	240	234	222	214	213	238
75°	123	122	117	110	109	132
85°	29	31	29	29	29	35
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	823.0	823.0	823.0	823.0	823.0
2.5°	821.9	821.9	820.3	823.5	824.0
5°	818.7	818.7	816.0	818.7	819.2
7.5°	813.3	812.3	809.0	811.2	811.2
10°	804.8	803.7	799.9	800.5	801.0
12.5°	794.0	792.4	787.6	787.1	786.6
15°	781.7	779.1	773.2	772.1	770.5
17.5°	766.7	763.0	756.0	754.4	753.4
20°	749.1	744.3	737.3	733.5	731.9
22.5°	729.8	724.4	715.9	712.1	710.0
25°	708.9	703.0	693.9	688.6	686.4
27.5°	685.9	679.5	669.8	662.9	660.2
30°	662.3	654.3	643.6	636.6	634.0
32.5°	635.6	627.0	616.8	608.3	604.5
35°	607.7	599.7	588.4	579.3	575.6
37.5°	579.3	571.8	558.5	550.4	547.7
40°	550.4	541.9	527.9	518.3	516.2
42.5°	519.9	512.4	496.9	488.9	485.1
45°	489.9	480.3	466.4	457.3	455.1
47.5°	459.4	448.7	436.4	426.2	423.5
50°	427.3	417.6	403.2	394.1	390.3
52.5°	395.7	387.1	372.7	362.5	359.8
55°	364.6	355.0	342.7	333.0	328.2
57.5°	332.0	324.5	311.6	302.5	298.8
60°	301.4	292.9	280.6	273.1	269.3
62.5°	270.4	261.8	251.7	243.6	240.4
65°	240.4	234.0	222.2	213.6	212.6
67.5°	210.4	205.1	194.9	186.3	186.9
70°	181.0	176.2	167.6	162.2	165.4
72.5°	153.1	150.5	140.8	137.1	138.7
75°	123.1	121.5	117.3	110.3	108.7
77.5°	98.0	99.1	94.2	85.7	83.5
80°	72.8	75.5	68.0	65.3	62.6
82.5°	50.3	54.1	47.7	45.5	44.4
85°	29.4	31.1	29.4	28.9	28.9
87.5°	12.3	14.5	14.5	15.0	15.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)