

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: P601265

Luminaire Tested: 14D3X-LP-70-L835

Issue Date: 10/6/2023

Test Information

Test Method: LM-79-2019
Report Number: P601265
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-70-L835
Description: 1x4 D3X-LP AT 7000lm 3500K 80CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

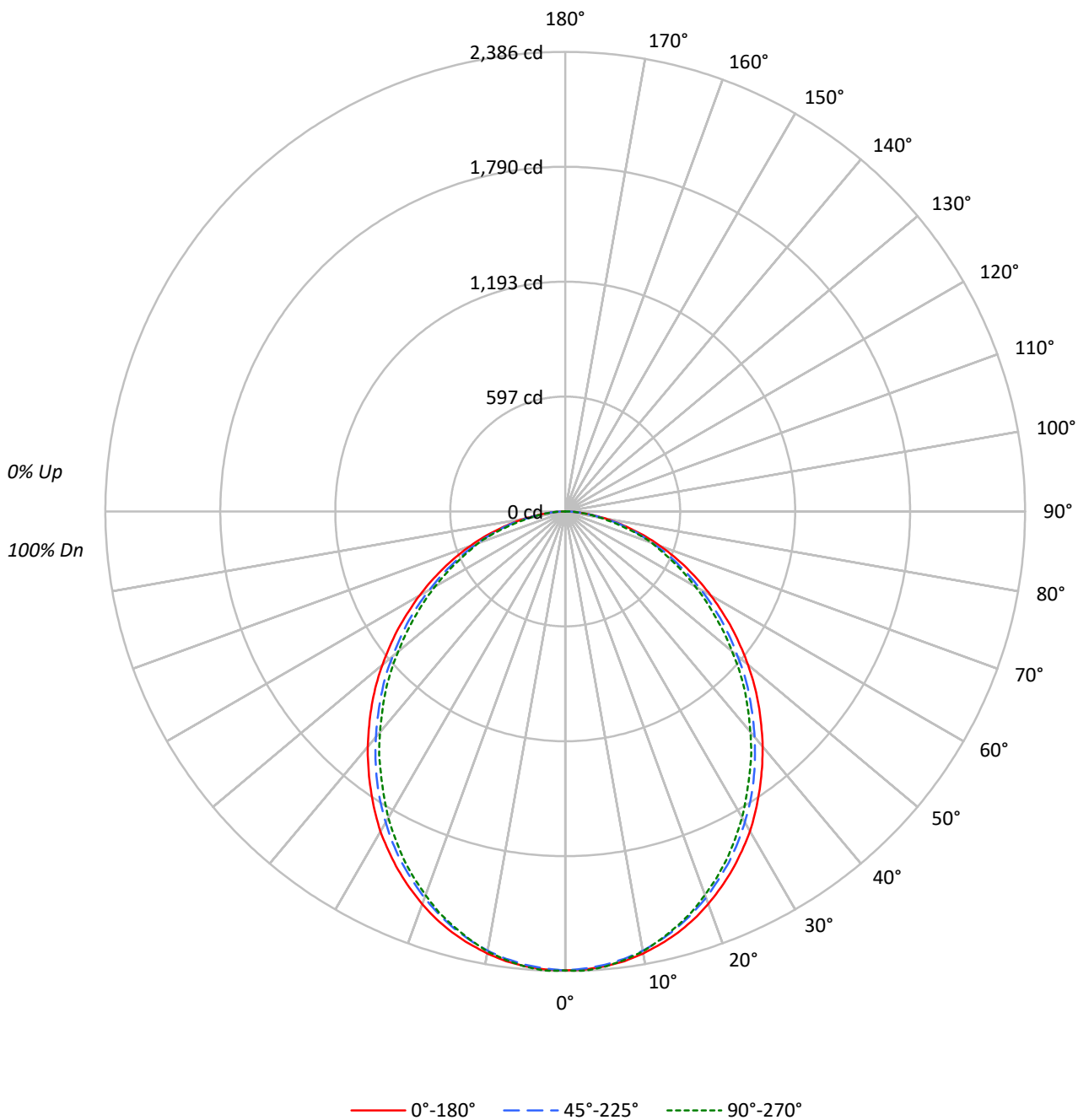
Lumens per Lamp: N/A
Luminaire Lumens: 5895.0 lumens
Efficiency: N/A
Efficacy: 82.8 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.27
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 71.2
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°	6412	6412	6412
5°	6403	6382	6407
10°	6367	6329	6337
15°	6306	6237	6215
20°	6211	6113	6069
25°	6095	5966	5901
30°	5959	5790	5703
35°	5780	5597	5475
40°	5598	5370	5250
45°	5398	5139	5015
50°	5179	4887	4731
55°	4953	4655	4458
60°	4697	4372	4197
65°	4432	4097	3919
70°	4123	3818	3769
75°	3708	3530	3272
80°	3267	3051	2811
85°	2634	2634	2584

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5398 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	224.6	3.8
10°-20°	632.1	10.7
20°-30°	926.9	15.7
30°-40°	1067.6	18.1
40°-50°	1047.6	17.8
50°-60°	891.3	15.1
60°-70°	644.5	10.9
70°-80°	360.1	6.1
80°-90°	100.3	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°	1783.6	30.3
0°-40°	2851.2	48.4
0°-60°	4790.2	81.3
0°-90°	5895.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5895.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2383	2383	2383	2383	2383	
5°	2370	2370	2363	2370	2372	225
15°	2263	2256	2239	2236	2231	638
25°	2053	2036	2009	1994	1988	945
35°	1760	1736	1704	1677	1667	1101
45°	1418	1391	1350	1324	1318	1094
55°	1056	1028	992	964	950	943
65°	696	678	643	619	616	689
75°	357	352	340	319	315	383
85°	85	90	85	84	84	101
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2382.8	2382.8	2382.8	2382.8	2382.8
2.5°	2379.7	2379.7	2375.0	2384.3	2385.9
5°	2370.4	2370.4	2362.6	2370.4	2371.9
7.5°	2354.9	2351.8	2342.5	2348.7	2348.7
10°	2330.1	2327.0	2316.1	2317.7	2319.2
12.5°	2299.1	2294.4	2280.5	2278.9	2277.4
15°	2263.4	2255.7	2238.6	2235.5	2230.9
17.5°	2220.0	2209.2	2189.0	2184.4	2181.3
20°	2168.8	2154.9	2134.7	2123.9	2119.2
22.5°	2113.0	2097.5	2072.7	2061.9	2055.7
25°	2052.6	2035.5	2009.2	1993.7	1987.5
27.5°	1985.9	1967.3	1939.4	1919.3	1911.5
30°	1917.7	1894.4	1863.4	1843.3	1835.5
32.5°	1840.2	1815.4	1785.9	1761.1	1750.3
35°	1759.6	1736.3	1703.8	1677.4	1666.6
37.5°	1677.4	1655.7	1616.9	1593.7	1585.9
40°	1593.7	1568.9	1528.6	1500.7	1494.5
42.5°	1505.3	1483.6	1438.7	1415.4	1404.6
45°	1418.5	1390.6	1350.3	1323.9	1317.7
47.5°	1330.1	1299.1	1263.5	1234.0	1226.3
50°	1237.1	1209.2	1167.4	1141.0	1130.2
52.5°	1145.7	1120.9	1079.0	1049.5	1041.8
55°	1055.7	1027.8	992.2	964.3	950.3
57.5°	961.2	939.5	902.3	875.9	865.1
60°	872.8	848.0	812.3	790.6	779.8
62.5°	782.9	758.1	728.6	705.4	696.1
65°	696.1	677.5	643.4	618.6	615.5
67.5°	609.3	593.8	564.3	539.5	541.0
70°	524.0	510.0	485.2	469.7	479.0
72.5°	443.4	435.6	407.7	396.9	401.5
75°	356.6	351.9	339.5	319.4	314.7
77.5°	283.7	286.8	272.9	248.0	241.8
80°	210.8	218.6	196.9	189.1	181.4
82.5°	145.7	156.6	138.0	131.8	128.7
85°	85.3	89.9	85.3	83.7	83.7
87.5°	35.7	41.9	41.9	43.4	45.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)