

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: P601260

Luminaire Tested: 14D3X-LP-60-L840

Issue Date: 10/6/2023

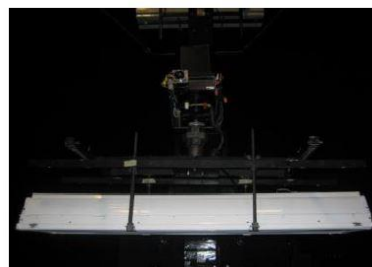
Test Information

Test Method: LM-79-2019
Report Number: P601260
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-60-L840
Description: 1x4 D3X-LP AT 6000lm 4000K 80CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

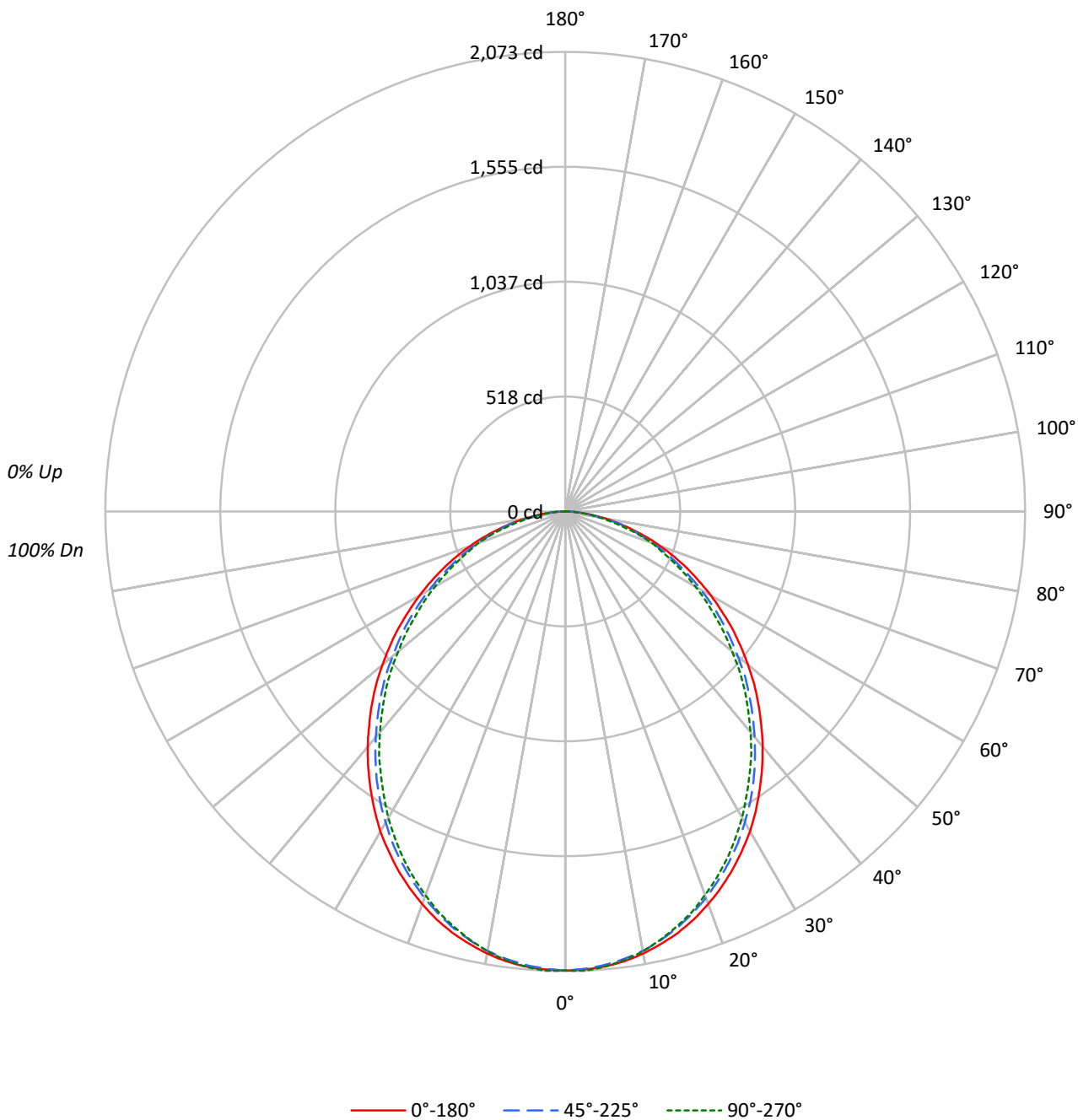
Lumens per Lamp: N/A
Luminaire Lumens: 5123.0 lumens
Efficiency: N/A
Efficacy: 86.4 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.27
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 59.3
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°	5572	5572	5572
5°	5565	5546	5568
10°	5533	5500	5507
15°	5480	5420	5401
20°	5397	5313	5274
25°	5296	5184	5128
30°	5179	5032	4957
35°	5023	4864	4758
40°	4865	4666	4562
45°	4691	4466	4358
50°	4501	4247	4112
55°	4305	4045	3875
60°	4082	3800	3647
65°	3852	3560	3406
70°	3583	3318	3275
75°	3222	3068	2844
80°	2839	2651	2442
85°	2288	2288	2248

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4691 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.2	3.8
10°-20°	549.3	10.7
20°-30°	805.5	15.7
30°-40°	927.8	18.1
40°-50°	910.4	17.8
50°-60°	774.6	15.1
60°-70°	560.1	10.9
70°-80°	312.9	6.1
80°-90°	87.2	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°	1550.0	30.3
0°-40°	2477.8	48.4
0°-60°	4162.9	81.3
0°-90°	5123.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5123.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2071	2071	2071	2071	2071	
5°	2060	2060	2053	2060	2061	196
15°	1967	1960	1945	1943	1939	554
25°	1784	1769	1746	1733	1727	821
35°	1529	1509	1481	1458	1448	956
45°	1233	1208	1174	1151	1145	951
55°	918	893	862	838	826	819
65°	605	589	559	538	535	599
75°	310	306	295	278	274	332
85°	74	78	74	73	73	88
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2070.7	2070.7	2070.7	2070.7	2070.7
2.5°	2068.0	2068.0	2064.0	2072.1	2073.4
5°	2060.0	2060.0	2053.2	2060.0	2061.3
7.5°	2046.5	2043.8	2035.7	2041.1	2041.1
10°	2024.9	2022.2	2012.8	2014.2	2015.5
12.5°	1998.0	1993.9	1981.8	1980.5	1979.1
15°	1967.0	1960.3	1945.4	1942.8	1938.7
17.5°	1929.3	1919.8	1902.3	1898.3	1895.6
20°	1884.8	1872.7	1855.2	1845.7	1841.7
22.5°	1836.3	1822.8	1801.3	1791.9	1786.5
25°	1783.8	1769.0	1746.1	1732.6	1727.2
27.5°	1725.8	1709.7	1685.4	1667.9	1661.2
30°	1666.6	1646.4	1619.4	1601.9	1595.2
32.5°	1599.2	1577.6	1552.0	1530.5	1521.1
35°	1529.1	1508.9	1480.6	1457.7	1448.3
37.5°	1457.7	1438.9	1405.2	1385.0	1378.2
40°	1385.0	1363.4	1328.4	1304.2	1298.8
42.5°	1308.2	1289.3	1250.3	1230.1	1220.6
45°	1232.7	1208.5	1173.5	1150.6	1145.2
47.5°	1156.0	1129.0	1098.0	1072.4	1065.7
50°	1075.1	1050.9	1014.5	991.6	982.2
52.5°	995.6	974.1	937.7	912.1	905.4
55°	917.5	893.2	862.2	838.0	825.9
57.5°	835.3	816.4	784.1	761.2	751.8
60°	758.5	737.0	706.0	687.1	677.7
62.5°	680.4	658.8	633.2	613.0	604.9
65°	604.9	588.8	559.1	537.6	534.9
67.5°	529.5	516.0	490.4	468.8	470.2
70°	455.4	443.2	421.7	408.2	416.3
72.5°	385.3	378.6	354.3	344.9	348.9
75°	309.9	305.8	295.1	277.5	273.5
77.5°	246.5	249.2	237.1	215.6	210.2
80°	183.2	190.0	171.1	164.4	157.6
82.5°	126.6	136.1	119.9	114.5	111.8
85°	74.1	78.1	74.1	72.8	72.8
87.5°	31.0	36.4	36.4	37.7	39.1
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)