

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: P601263

Luminaire Tested: 14D3X-LP-60-L940

Issue Date: 10/6/2023

Test Information

Test Method: LM-79-2019
Report Number: P601263
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-L940
Description: 1x4 D3X-LP AT 6000lm 4000K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

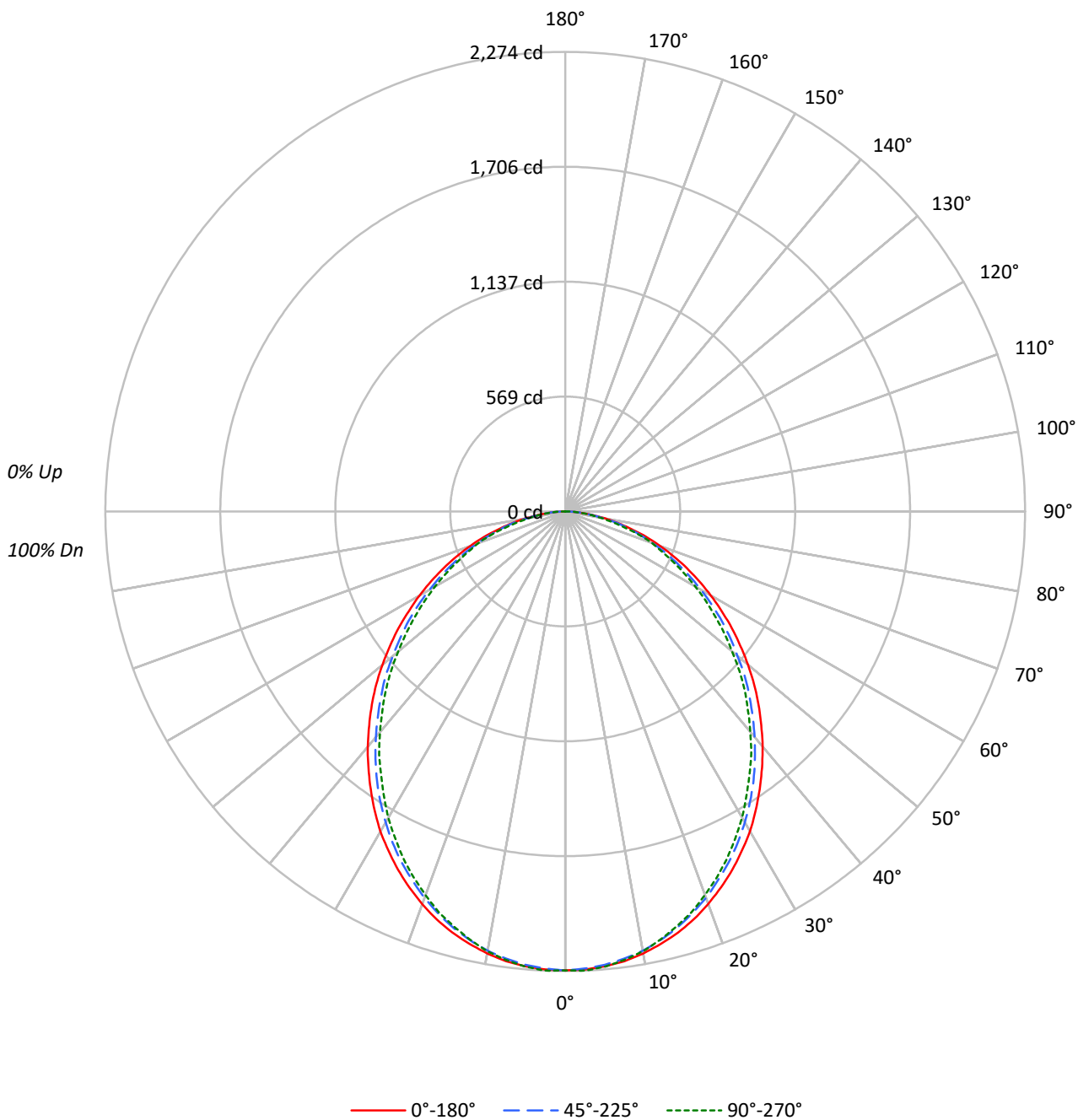
Lumens per Lamp: N/A
Luminaire Lumens: 5617.9 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.27
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 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°	6111	6111	6111
5°	6102	6082	6106
10°	6068	6031	6039
15°	6009	5943	5923
20°	5919	5826	5783
25°	5808	5685	5624
30°	5679	5518	5436
35°	5509	5334	5217
40°	5335	5117	5003
45°	5144	4897	4779
50°	4936	4657	4509
55°	4720	4436	4249
60°	4477	4167	3999
65°	4224	3904	3734
70°	3929	3638	3592
75°	3533	3365	3118
80°	3113	2907	2679
85°	2510	2510	2464

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 5144 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.0	3.8
10°-20°	602.4	10.7
20°-30°	883.3	15.7
30°-40°	1017.5	18.1
40°-50°	998.4	17.8
50°-60°	849.4	15.1
60°-70°	614.2	10.9
70°-80°	343.2	6.1
80°-90°	95.6	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°	1699.7	30.3
0°-40°	2717.2	48.4
0°-60°	4565.0	81.3
0°-90°	5617.9	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	5617.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2271	2271	2271	2271	2271	
5°	2259	2259	2252	2259	2260	214
15°	2157	2150	2133	2130	2126	608
25°	1956	1940	1915	1900	1894	900
35°	1677	1655	1624	1599	1588	1049
45°	1352	1325	1287	1262	1256	1042
55°	1006	980	946	919	906	898
65°	663	646	613	590	586	657
75°	340	335	324	304	300	365
85°	81	86	81	80	80	96
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2270.8	2270.8	2270.8	2270.8	2270.8
2.5°	2267.8	2267.8	2263.4	2272.3	2273.8
5°	2259.0	2259.0	2251.6	2259.0	2260.5
7.5°	2244.2	2241.2	2232.4	2238.3	2238.3
10°	2220.6	2217.6	2207.3	2208.7	2210.2
12.5°	2191.0	2186.6	2173.3	2171.8	2170.3
15°	2157.0	2149.6	2133.4	2130.4	2126.0
17.5°	2115.7	2105.3	2086.1	2081.7	2078.7
20°	2066.9	2053.6	2034.4	2024.1	2019.6
22.5°	2013.7	1999.0	1975.3	1965.0	1959.1
25°	1956.1	1939.9	1914.7	1900.0	1894.1
27.5°	1892.6	1874.8	1848.3	1829.0	1821.7
30°	1827.6	1805.4	1775.9	1756.7	1749.3
32.5°	1753.7	1730.1	1702.0	1678.4	1668.0
35°	1676.9	1654.7	1623.7	1598.6	1588.2
37.5°	1598.6	1577.9	1541.0	1518.8	1511.4
40°	1518.8	1495.2	1456.7	1430.1	1424.2
42.5°	1434.6	1413.9	1371.0	1348.9	1338.5
45°	1351.8	1325.2	1286.8	1261.7	1255.8
47.5°	1267.6	1238.1	1204.1	1176.0	1168.6
50°	1179.0	1152.4	1112.5	1087.4	1077.0
52.5°	1091.8	1068.2	1028.3	1000.2	992.8
55°	1006.1	979.5	945.6	919.0	905.7
57.5°	916.0	895.3	859.9	834.7	824.4
60°	831.8	808.1	774.2	753.5	743.1
62.5°	746.1	722.5	694.4	672.2	663.4
65°	663.4	645.6	613.1	589.5	586.5
67.5°	580.6	565.9	537.8	514.1	515.6
70°	499.4	486.1	462.4	447.7	456.5
72.5°	422.5	415.2	388.6	378.2	382.7
75°	339.8	335.4	323.6	304.3	299.9
77.5°	270.4	273.3	260.0	236.4	230.5
80°	200.9	208.3	187.6	180.2	172.9
82.5°	138.9	149.2	131.5	125.6	122.6
85°	81.3	85.7	81.3	79.8	79.8
87.5°	34.0	39.9	39.9	41.4	42.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)