

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: P601237

Luminaire Tested: 14D3X-LP-40-L930

Issue Date: 10/6/2023

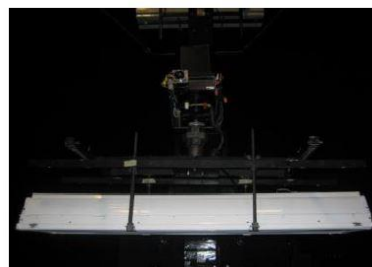
Test Information

Test Method: LM-79-2019
Report Number: P601237
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-40-L930
Description: 1x4 D3X-LP AT 4000lm 3000K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

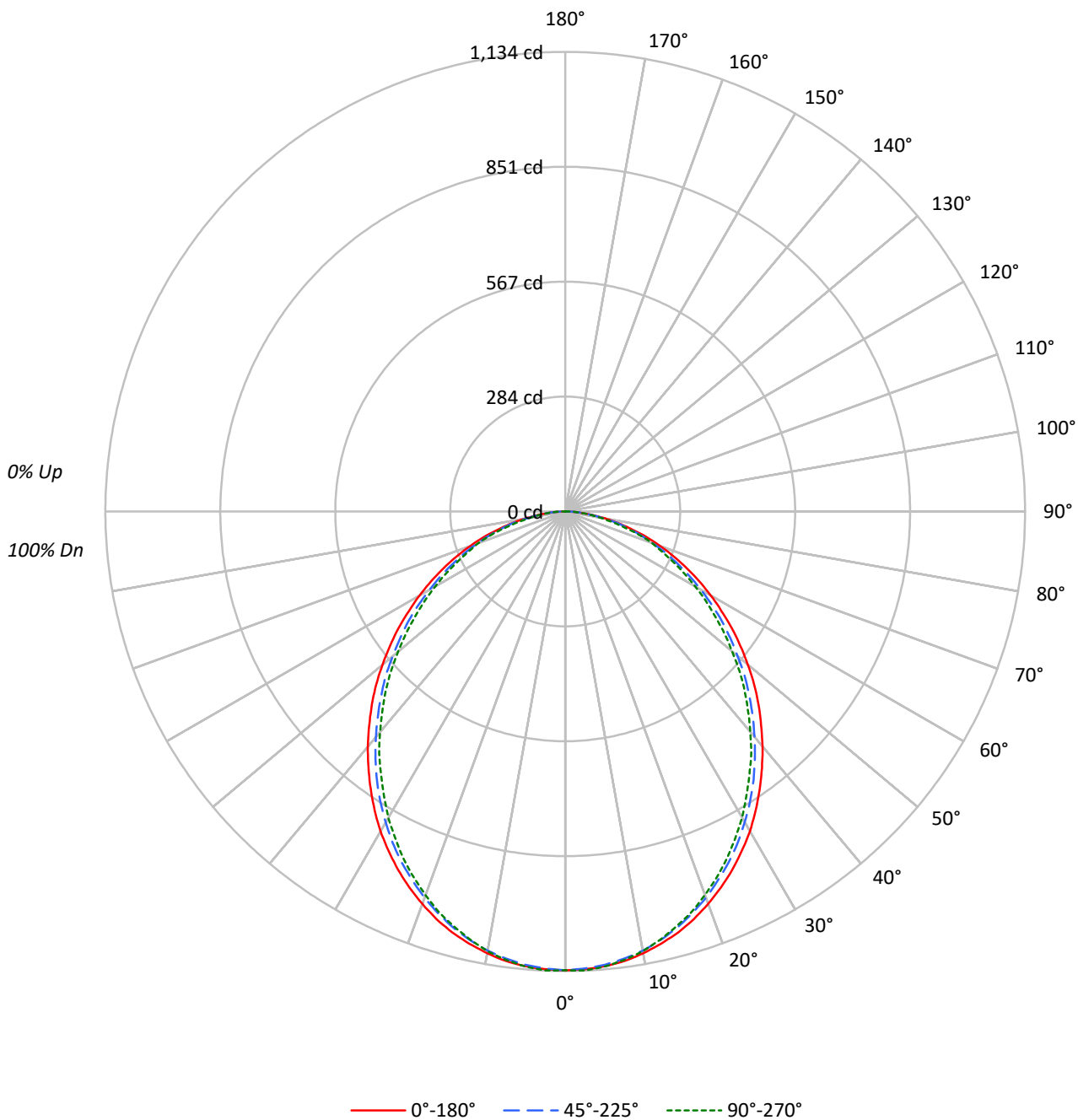
Lumens per Lamp: N/A
Luminaire Lumens: 2801.0 lumens
Efficiency: N/A
Efficacy: 74.1 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.27
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 37.8
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



TEST NUMBER: P601237
CATALOG NUMBER: 14D3X-LP-40-L930

Luminous Intensity Polar Plot





TEST NUMBER: P601237
 CATALOG NUMBER: 14D3X-LP-40-L930

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°	3047	3047	3047
5°	3042	3032	3044
10°	3025	3007	3011
15°	2996	2963	2953
20°	2951	2905	2884
25°	2896	2835	2804
30°	2831	2751	2710
35°	2747	2659	2601
40°	2660	2551	2494
45°	2565	2442	2383
50°	2461	2322	2248
55°	2353	2212	2118
60°	2232	2077	1994
65°	2106	1947	1862
70°	1959	1814	1791
75°	1761	1677	1554
80°	1553	1450	1336
85°	1250	1250	1229

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2565 cd/sqm



TEST NUMBER: P601237
 CATALOG NUMBER: 14D3X-LP-40-L930

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.7	3.8
10°-20°	300.3	10.7
20°-30°	440.4	15.7
30°-40°	507.3	18.1
40°-50°	497.8	17.8
50°-60°	423.5	15.1
60°-70°	306.2	10.9
70°-80°	171.1	6.1
80°-90°	47.7	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°	847.5	30.3
0°-40°	1354.7	48.4
0°-60°	2276.0	81.3
0°-90°	2801.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2801.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1132	1132	1132	1132	1132	
5°	1126	1126	1123	1126	1127	107
15°	1076	1072	1064	1062	1060	303
25°	975	967	955	947	944	449
35°	836	825	810	797	792	523
45°	674	661	642	629	626	520
55°	502	488	471	458	452	448
65°	331	322	306	294	292	328
75°	169	167	161	152	150	182
85°	40	43	40	40	40	48
90°	0	0	0	0	0	



TEST NUMBER: P601237
 CATALOG NUMBER: 14D3X-LP-40-L930

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1132.2	1132.2	1132.2	1132.2	<i>1132.2</i>
2.5°	<i>1130.7</i>	<i>1130.7</i>	<i>1128.5</i>	<i>1132.9</i>	<i>1133.7</i>
5°	1126.3	1126.3	1122.6	1126.3	<i>1127.0</i>
7.5°	1118.9	1117.4	1113.0	1116.0	<i>1116.0</i>
10°	1107.1	1105.7	1100.5	1101.2	<i>1102.0</i>
12.5°	1092.4	1090.2	1083.6	1082.8	<i>1082.1</i>
15°	1075.5	1071.8	1063.7	1062.2	<i>1060.0</i>
17.5°	1054.8	1049.7	1040.1	1037.9	<i>1036.4</i>
20°	1030.5	1023.9	1014.3	1009.2	<i>1007.0</i>
22.5°	1004.0	996.6	984.9	979.7	<i>976.8</i>
25°	975.3	967.2	954.7	947.3	<i>944.3</i>
27.5°	943.6	934.8	921.5	911.9	<i>908.2</i>
30°	911.2	900.1	885.4	875.8	<i>872.2</i>
32.5°	874.4	862.6	848.6	836.8	<i>831.6</i>
35°	836.1	825.0	809.5	797.0	<i>791.9</i>
37.5°	797.0	786.7	768.3	757.2	<i>753.6</i>
40°	757.2	745.5	726.3	713.0	<i>710.1</i>
42.5°	715.3	704.9	683.6	672.5	<i>667.4</i>
45°	674.0	660.7	641.6	629.1	<i>626.1</i>
47.5°	632.0	617.3	600.3	586.3	<i>582.7</i>
50°	587.8	574.6	554.7	542.1	<i>537.0</i>
52.5°	544.4	532.6	512.7	498.7	<i>495.0</i>
55°	501.6	488.4	471.4	458.2	<i>451.5</i>
57.5°	456.7	446.4	428.7	416.2	<i>411.0</i>
60°	414.7	402.9	386.0	375.7	<i>370.5</i>
62.5°	372.0	360.2	346.2	335.2	<i>330.7</i>
65°	330.7	321.9	305.7	293.9	<i>292.4</i>
67.5°	289.5	282.1	268.1	256.3	<i>257.1</i>
70°	249.0	242.3	230.6	223.2	<i>227.6</i>
72.5°	210.7	207.0	193.7	188.6	<i>190.8</i>
75°	169.4	167.2	161.3	151.7	<i>149.5</i>
77.5°	134.8	136.3	129.6	117.9	<i>114.9</i>
80°	100.2	103.9	93.6	89.9	<i>86.2</i>
82.5°	69.2	74.4	65.6	62.6	<i>61.1</i>
85°	40.5	42.7	40.5	39.8	<i>39.8</i>
87.5°	16.9	19.9	19.9	20.6	<i>21.4</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>

(END OF REPORT)