

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: P601233

Luminaire Tested: 14D3X-LP-35-L940

Issue Date: 10/6/2023

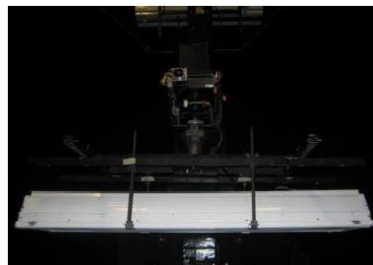
Test Information

Test Method: LM-79-2019
Report Number: P601233
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-35-L940
Description: 1x4 D3X-LP AT 3500lm 4000K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

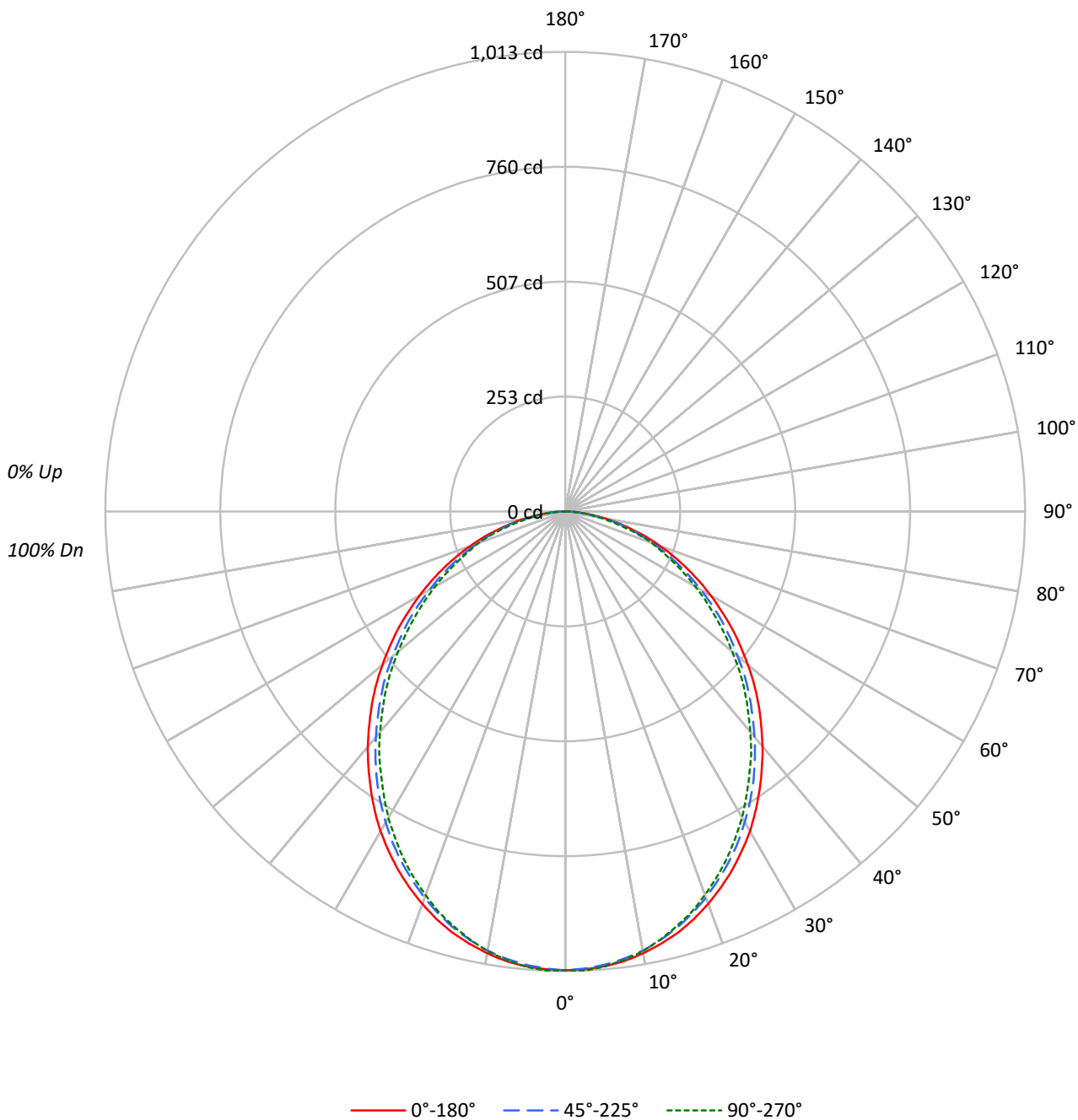
Lumens per Lamp: N/A
Luminaire Lumens: 2502.0 lumens
Efficiency: N/A
Efficacy: 78.7 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.27
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 31.8
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: P601233
CATALOG NUMBER: 14D3X-LP-35-L940

Luminous Intensity Polar Plot





TEST NUMBER: P601233
 CATALOG NUMBER: 14D3X-LP-35-L940

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°	2721	2721	2721
5°	2718	2709	2719
10°	2702	2686	2690
15°	2676	2647	2638
20°	2636	2594	2576
25°	2587	2532	2504
30°	2529	2458	2421
35°	2453	2375	2324
40°	2376	2279	2228
45°	2291	2181	2128
50°	2198	2074	2008
55°	2102	1976	1892
60°	1993	1856	1781
65°	1881	1739	1663
70°	1750	1620	1600
75°	1573	1498	1389
80°	1387	1296	1193
85°	1118	1118	1096

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2291 cd/sqm



TEST NUMBER: P601233
 CATALOG NUMBER: 14D3X-LP-35-L940

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.3	3.8
10°-20°	268.3	10.7
20°-30°	393.4	15.7
30°-40°	453.1	18.1
40°-50°	444.6	17.8
50°-60°	378.3	15.1
60°-70°	273.5	10.9
70°-80°	152.8	6.1
80°-90°	42.6	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°	757.0	30.3
0°-40°	1210.1	48.4
0°-60°	2033.1	81.3
0°-90°	2502.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2502.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1011	1011	1011	1011	1011	
5°	1006	1006	1003	1006	1007	96
15°	961	957	950	949	947	271
25°	871	864	853	846	844	401
35°	747	737	723	712	707	467
45°	602	590	573	562	559	464
55°	448	436	421	409	403	400
65°	295	288	273	262	261	293
75°	151	149	144	136	134	162
85°	36	38	36	36	36	43
90°	0	0	0	0	0	



TEST NUMBER: P601233
 CATALOG NUMBER: 14D3X-LP-35-L940

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1011.3	1011.3	1011.3	1011.3	<i>1011.3</i>
2.5°	<i>1010.0</i>	<i>1010.0</i>	<i>1008.0</i>	<i>1012.0</i>	<i>1012.6</i>
5°	1006.1	1006.1	1002.8	1006.1	<i>1006.7</i>
7.5°	999.5	998.2	994.2	996.8	<i>996.8</i>
10°	988.9	987.6	983.0	983.7	<i>984.3</i>
12.5°	975.8	973.8	967.9	967.2	<i>966.6</i>
15°	960.7	957.4	950.1	948.8	<i>946.8</i>
17.5°	942.2	937.6	929.1	927.1	<i>925.8</i>
20°	920.5	914.6	906.0	901.4	<i>899.5</i>
22.5°	896.8	890.3	879.7	875.1	<i>872.5</i>
25°	871.2	863.9	852.7	846.2	<i>843.5</i>
27.5°	842.9	835.0	823.1	814.6	<i>811.3</i>
30°	813.9	804.1	790.9	782.3	<i>779.1</i>
32.5°	781.0	770.5	758.0	747.5	<i>742.9</i>
35°	746.8	736.9	723.1	711.9	<i>707.3</i>
37.5°	711.9	702.7	686.3	676.4	<i>673.1</i>
40°	676.4	665.9	648.8	636.9	<i>634.3</i>
42.5°	638.9	629.7	610.6	600.7	<i>596.1</i>
45°	602.1	590.2	573.1	561.9	<i>559.3</i>
47.5°	564.6	551.4	536.3	523.8	<i>520.5</i>
50°	525.1	513.2	495.5	484.3	<i>479.7</i>
52.5°	486.2	475.7	458.0	445.5	<i>442.2</i>
55°	448.1	436.2	421.1	409.3	<i>403.3</i>
57.5°	407.9	398.7	382.9	371.8	<i>367.2</i>
60°	370.4	359.9	344.8	335.6	<i>331.0</i>
62.5°	332.3	321.8	309.3	299.4	<i>295.4</i>
65°	295.4	287.5	273.1	262.5	<i>261.2</i>
67.5°	258.6	252.0	239.5	229.0	<i>229.6</i>
70°	222.4	216.5	205.9	199.4	<i>203.3</i>
72.5°	188.2	184.9	173.0	168.4	<i>170.4</i>
75°	151.3	149.4	144.1	135.5	<i>133.6</i>
77.5°	120.4	121.7	115.8	105.3	<i>102.6</i>
80°	89.5	92.8	83.6	80.3	<i>77.0</i>
82.5°	61.9	66.5	58.6	55.9	<i>54.6</i>
85°	36.2	38.2	36.2	35.5	<i>35.5</i>
87.5°	15.1	17.8	17.8	18.4	<i>19.1</i>
90°	0.0	0.0	0.0	0.0	<i>0.0</i>

(END OF REPORT)