

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: P601232

Luminaire Tested: 14D3X-LP-35-L935

Issue Date: 10/6/2023

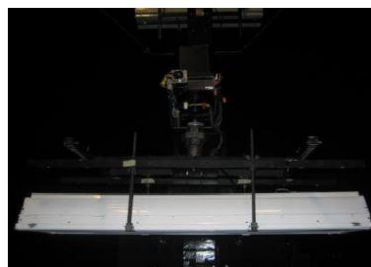
Test Information

Test Method: LM-79-2019
Report Number: P601232
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-L935
Description: 1x4 D3X-LP AT 3500lm 3500K 90CRI
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

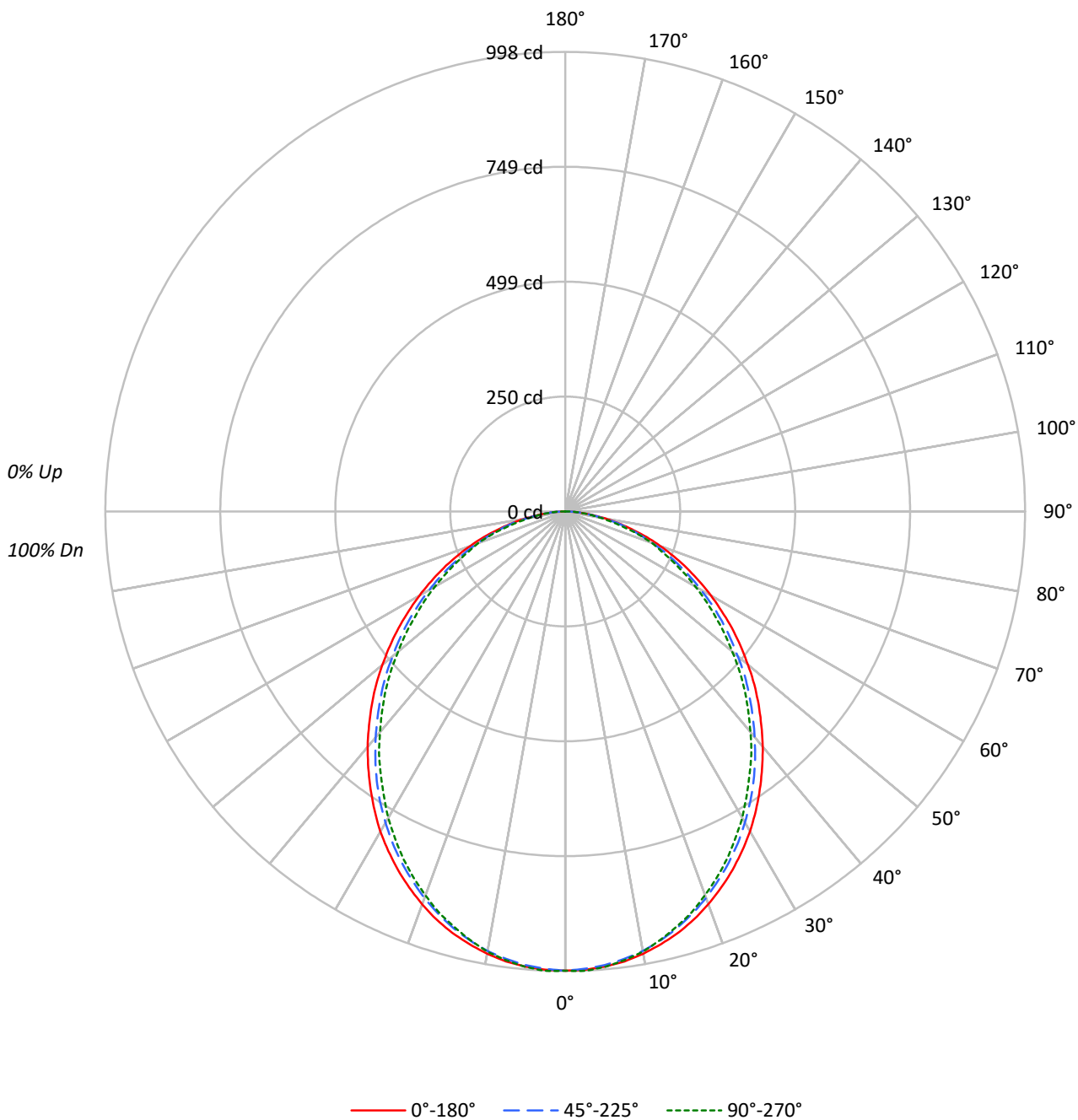
Lumens per Lamp: N/A
Luminaire Lumens: 2467.0 lumens
Efficiency: N/A
Efficacy: 77.6 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.27
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

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



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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	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°	2683	2683	2683
5°	2680	2671	2681
10°	2664	2649	2652
15°	2639	2610	2601
20°	2599	2558	2540
25°	2551	2496	2469
30°	2494	2423	2387
35°	2419	2342	2291
40°	2343	2247	2197
45°	2259	2151	2099
50°	2167	2045	1980
55°	2073	1948	1866
60°	1966	1830	1756
65°	1855	1714	1640
70°	1725	1598	1578
75°	1551	1477	1369
80°	1367	1277	1176
85°	1102	1102	1081

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 2259 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.0	3.8
10°-20°	264.5	10.7
20°-30°	387.9	15.7
30°-40°	446.8	18.1
40°-50°	438.4	17.8
50°-60°	373.0	15.1
60°-70°	269.7	10.9
70°-80°	150.7	6.1
80°-90°	42.0	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°	746.4	30.3
0°-40°	1193.2	48.4
0°-60°	2004.6	81.3
0°-90°	2467.0	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2467.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	997	997	997	997	997	
5°	992	992	989	992	993	94
15°	947	944	937	936	934	267
25°	859	852	841	834	832	395
35°	736	727	713	702	697	461
45°	594	582	565	554	552	458
55°	442	430	415	404	398	395
65°	291	284	269	259	258	288
75°	149	147	142	134	132	160
85°	36	38	36	35	35	42
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	997.2	997.2	997.2	997.2	997.2
2.5°	995.9	995.9	993.9	997.8	998.5
5°	992.0	992.0	988.7	992.0	992.6
7.5°	985.5	984.2	980.3	982.9	982.9
10°	975.1	973.8	969.3	969.9	970.6
12.5°	962.1	960.2	954.4	953.7	953.1
15°	947.2	944.0	936.8	935.5	933.6
17.5°	929.1	924.5	916.1	914.1	912.8
20°	907.6	901.8	893.4	888.8	886.9
22.5°	884.3	877.8	867.4	862.9	860.3
25°	859.0	851.8	840.8	834.3	831.7
27.5°	831.1	823.3	811.6	803.2	799.9
30°	802.5	792.8	779.8	771.4	768.2
32.5°	770.1	759.7	747.4	737.0	732.5
35°	736.4	726.6	713.0	702.0	697.4
37.5°	702.0	692.9	676.7	666.9	663.7
40°	666.9	656.6	639.7	628.0	625.4
42.5°	630.0	620.9	602.1	592.3	587.8
45°	593.6	582.0	565.1	554.1	551.5
47.5°	556.7	543.7	528.8	516.4	513.2
50°	517.7	506.0	488.5	477.5	473.0
52.5°	479.4	469.1	451.6	439.2	436.0
55°	441.8	430.1	415.2	403.5	397.7
57.5°	402.2	393.2	377.6	366.6	362.0
60°	365.3	354.9	340.0	330.9	326.3
62.5°	327.6	317.3	304.9	295.2	291.3
65°	291.3	283.5	269.2	258.9	257.6
67.5°	255.0	248.5	236.2	225.8	226.4
70°	219.3	213.4	203.1	196.6	200.5
72.5°	185.6	182.3	170.6	166.1	168.0
75°	149.2	147.3	142.1	133.6	131.7
77.5°	118.7	120.0	114.2	103.8	101.2
80°	88.2	91.5	82.4	79.2	75.9
82.5°	61.0	65.5	57.7	55.1	53.8
85°	35.7	37.6	35.7	35.0	35.0
87.5°	14.9	17.5	17.5	18.2	18.8
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)