

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: P#

Luminaire Tested: 14D3X-LP-WD-35-L830.ies

Issue Date: 2/27/2025

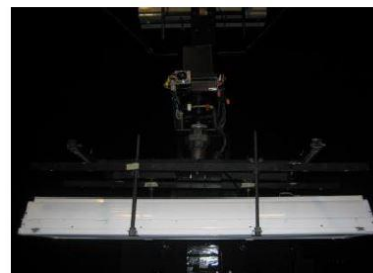
Test Information

Test Method: LM-79-2019
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P601206)
Test Lab: INNOVATION CENTER
Issue Date: 2/27/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: 14D3X-LP-WD-35-L830.ies
Description: 1x4 D3X-LP ROUND PERF AT 3500lm 3000K 80CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2908.8 lumens
Efficiency: N/A
Efficacy: 77.0 lumens/watt
Spacing Criteria (0/90/45): 1.2 / 1.16 / 1.28
Luminous Opening: Rectangular (W 1' x L: 4' x H: 0')
CIE Type: Direct

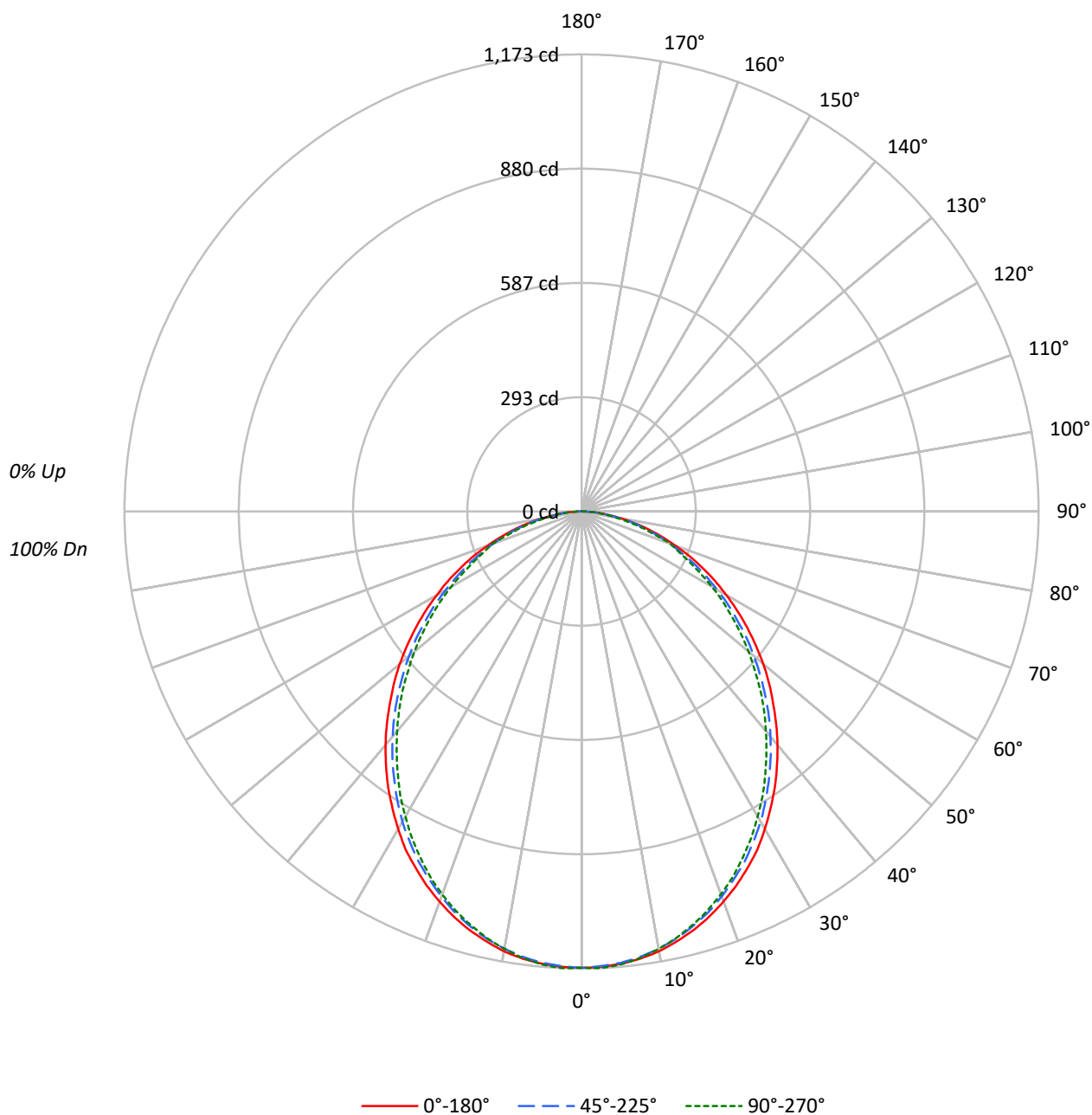
Input Watts (W): 37.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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					0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	0
RCR																				
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100		100
1	109	105	100	97	106	102	98	95	98	95	92	94	92	89	91	88	87	85		85
2	100	92	85	79	97	90	84	78	86	81	77	83	79	75	80	76	73	71		71
3	91	81	73	67	89	79	72	66	76	70	65	74	68	64	71	66	63	60		60
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		52
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		45
6	71	58	49	43	69	57	49	43	56	48	43	54	47	42	52	46	42	40		40
7	66	53	44	38	65	52	44	38	51	43	38	49	43	38	48	42	37	35		35
8	62	48	40	34	60	48	40	34	46	39	34	45	39	34	44	38	34	32		32
9	58	45	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	29		29
10	54	41	33	28	53	41	33	28	40	33	28	39	32	28	38	32	28	26		26

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	3152	3152	3152
5°	3148	3141	3153
10°	3133	3114	3116
15°	3098	3072	3062
20°	3052	3012	2995
25°	2995	2942	2909
30°	2924	2857	2809
35°	2842	2755	2701
40°	2749	2650	2586
45°	2645	2536	2471
50°	2549	2419	2344
55°	2433	2292	2211
60°	2305	2161	2079
65°	2174	2032	1939
70°	2009	1895	1915
75°	1851	1744	1654
80°	1613	1547	1385
85°	1355	1275	1275

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2645 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	110.5	3.8
10°-20°	311.2	10.7
20°-30°	456.7	15.7
30°-40°	526.0	18.1
40°-50°	516.4	17.8
50°-60°	440.3	15.1
60°-70°	318.5	10.9
70°-80°	179.1	6.2
80°-90°	50.1	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°	878.5	30.2
0°-40°	1404.5	48.3
0°-60°	2361.2	81.2
0°-90°	2908.8	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	2908.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1171	1171	1171	1171	1171	
5°	1165	1166	1163	1166	1167	111
15°	1112	1110	1103	1101	1099	313
25°	1009	1001	991	983	980	465
35°	865	855	838	827	822	540
45°	695	686	666	654	649	537
55°	519	507	488	476	471	464
65°	341	332	319	307	304	339
75°	178	175	168	161	159	188
85°	44	46	41	41	41	51
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1171.4	1171.4	1171.4	1171.4	1171.4
2.5°	1169.7	1170.5	1167.9	1172.2	1173.1
5°	1165.4	1166.2	1162.8	1166.2	1167.1
7.5°	1157.6	1157.6	1153.3	1155.9	1155.9
10°	1146.4	1144.7	1139.6	1140.4	1140.4
12.5°	1130.1	1130.1	1123.2	1123.2	1121.5
15°	1112.0	1110.3	1102.6	1100.9	1099.1
17.5°	1090.5	1088.0	1079.4	1075.9	1074.2
20°	1065.6	1061.3	1051.8	1047.5	1045.8
22.5°	1038.9	1032.9	1021.7	1016.6	1014.8
25°	1008.8	1001.1	990.8	983.0	979.6
27.5°	977.9	970.1	955.5	946.9	943.5
30°	940.9	933.1	919.4	909.1	903.9
32.5°	903.0	896.2	879.8	868.6	865.2
35°	865.2	854.9	838.5	827.4	822.2
37.5°	823.9	815.3	797.3	785.2	779.2
40°	782.6	774.0	754.3	741.4	736.2
42.5°	739.6	728.5	711.3	697.5	693.2
45°	694.9	686.3	666.5	653.6	649.3
47.5°	652.8	639.9	621.8	608.9	602.9
50°	608.9	596.9	577.9	564.2	559.9
52.5°	563.3	553.0	534.1	520.3	515.2
55°	518.6	507.4	488.5	476.5	471.3
57.5°	473.9	463.6	446.4	432.6	429.2
60°	428.3	418.8	401.6	390.5	386.2
62.5°	386.2	375.0	359.5	348.3	344.0
65°	341.4	332.0	319.1	307.0	304.5
67.5°	300.2	293.3	276.9	268.3	269.2
70°	255.4	255.4	240.8	232.2	243.4
72.5°	215.9	216.7	203.8	198.7	194.4
75°	178.0	174.6	167.7	160.8	159.1
77.5°	140.2	141.9	135.9	123.0	121.3
80°	104.1	113.5	99.8	91.2	89.4
82.5°	71.4	80.8	68.8	64.5	63.6
85°	43.9	45.6	41.3	41.3	41.3
87.5°	18.9	21.5	20.6	20.6	21.5
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)