

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-40-L927.ies

Issue Date: 2/27/2025

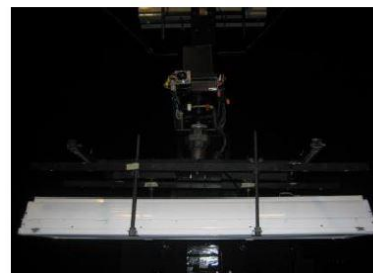
Test Information

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-40-L927.ies
Description: 1x4 D3X-LP AT 4000lm 2700K 90CRI
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3161.5 lumens
Efficiency: N/A
Efficacy: 65.1 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

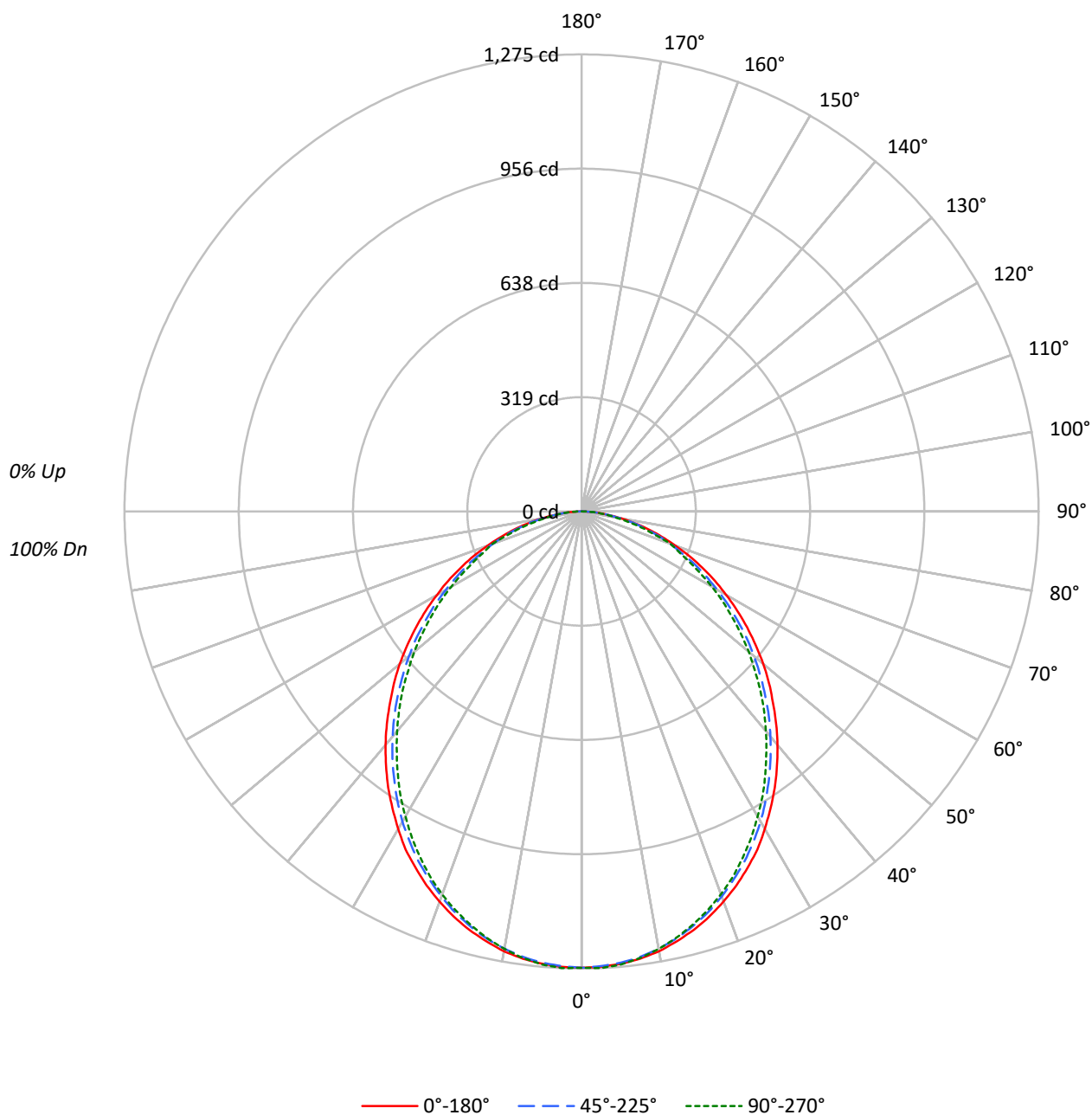
Input Watts (W): 48.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	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	98	95	98	95	92	94	92	89	91	88	87	85		
2	100	92	85	79	97	90	84	78	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	66	63	60		
4	84	72	63	57	81	71	63	56	68	61	56	66	60	55	64	58	54	52		
5	77	64	56	49	75	63	55	49	61	54	48	59	53	48	57	52	47	45		
6	71	58	49	43	69	57	49	43	56	48	43	54	47	42	52	46	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	36	31	56	44	36	31	43	36	31	42	35	31	41	35	30	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°	3426	3426	3426
5°	3421	3414	3427
10°	3405	3384	3387
15°	3367	3339	3328
20°	3317	3274	3255
25°	3256	3197	3161
30°	3177	3105	3053
35°	3089	2994	2936
40°	2988	2880	2811
45°	2874	2757	2686
50°	2771	2630	2547
55°	2645	2491	2403
60°	2505	2349	2259
65°	2363	2208	2107
70°	2184	2059	2081
75°	2012	1895	1798
80°	1753	1680	1506
85°	1473	1386	1386

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 2874 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.1	3.8
10°-20°	338.3	10.7
20°-30°	496.4	15.7
30°-40°	571.7	18.1
40°-50°	561.2	17.8
50°-60°	478.5	15.1
60°-70°	346.2	10.9
70°-80°	194.6	6.2
80°-90°	54.4	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°	954.8	30.2
0°-40°	1526.5	48.3
0°-60°	2566.3	81.2
0°-90°	3161.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3161.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1273	1273	1273	1273	1273	
5°	1267	1268	1264	1268	1268	120
15°	1209	1207	1198	1196	1195	341
25°	1096	1088	1077	1068	1065	505
35°	940	929	911	899	894	587
45°	755	746	724	710	706	584
55°	564	552	531	518	512	504
65°	371	361	347	334	331	368
75°	194	190	182	175	173	205
85°	48	50	45	45	45	55
90°	0	0	0	0	0	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1273.1	1273.1	1273.1	1273.1	1273.1
2.5°	1271.3	1272.2	1269.4	1274.1	1275.0
5°	1266.6	1267.5	1263.8	1267.5	1268.5
7.5°	1258.2	1258.2	1253.5	1256.3	1256.3
10°	1246.0	1244.2	1238.6	1239.5	1239.5
12.5°	1228.3	1228.3	1220.8	1220.8	1218.9
15°	1208.6	1206.8	1198.4	1196.5	1194.6
17.5°	1185.3	1182.5	1173.1	1169.4	1167.5
20°	1158.2	1153.5	1143.2	1138.5	1136.7
22.5°	1129.2	1122.6	1110.5	1104.9	1103.0
25°	1096.5	1088.1	1076.8	1068.4	1064.7
27.5°	1062.8	1054.4	1038.5	1029.2	1025.4
30°	1022.6	1014.2	999.3	988.0	982.4
32.5°	981.5	974.0	956.3	944.1	940.4
35°	940.4	929.2	911.4	899.2	893.6
37.5°	895.5	886.2	866.5	853.4	846.9
40°	850.6	841.3	819.8	805.8	800.2
42.5°	803.9	791.7	773.0	758.1	753.4
45°	755.3	745.9	724.4	710.4	705.7
47.5°	709.5	695.5	675.8	661.8	655.3
50°	661.8	648.7	628.2	613.2	608.5
52.5°	612.3	601.1	580.5	565.5	559.9
55°	563.7	551.5	530.9	517.9	512.2
57.5°	515.1	503.8	485.1	470.2	466.4
60°	465.5	455.2	436.5	424.4	419.7
62.5°	419.7	407.6	390.7	378.6	373.9
65°	371.1	360.8	346.8	333.7	330.9
67.5°	326.2	318.8	301.0	291.6	292.6
70°	277.6	277.6	261.7	252.4	264.5
72.5°	234.6	235.6	221.5	215.9	211.3
75°	193.5	189.8	182.3	174.8	172.9
77.5°	152.4	154.2	147.7	133.7	131.8
80°	113.1	123.4	108.4	99.1	97.2
82.5°	77.6	87.9	74.8	70.1	69.2
85°	47.7	49.5	44.9	44.9	44.9
87.5°	20.6	23.4	22.4	22.4	23.4
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)