

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: P1057129

Luminaire Tested: CB3-D-030U-120D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057129
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-030U-120D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11746.7 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Direct

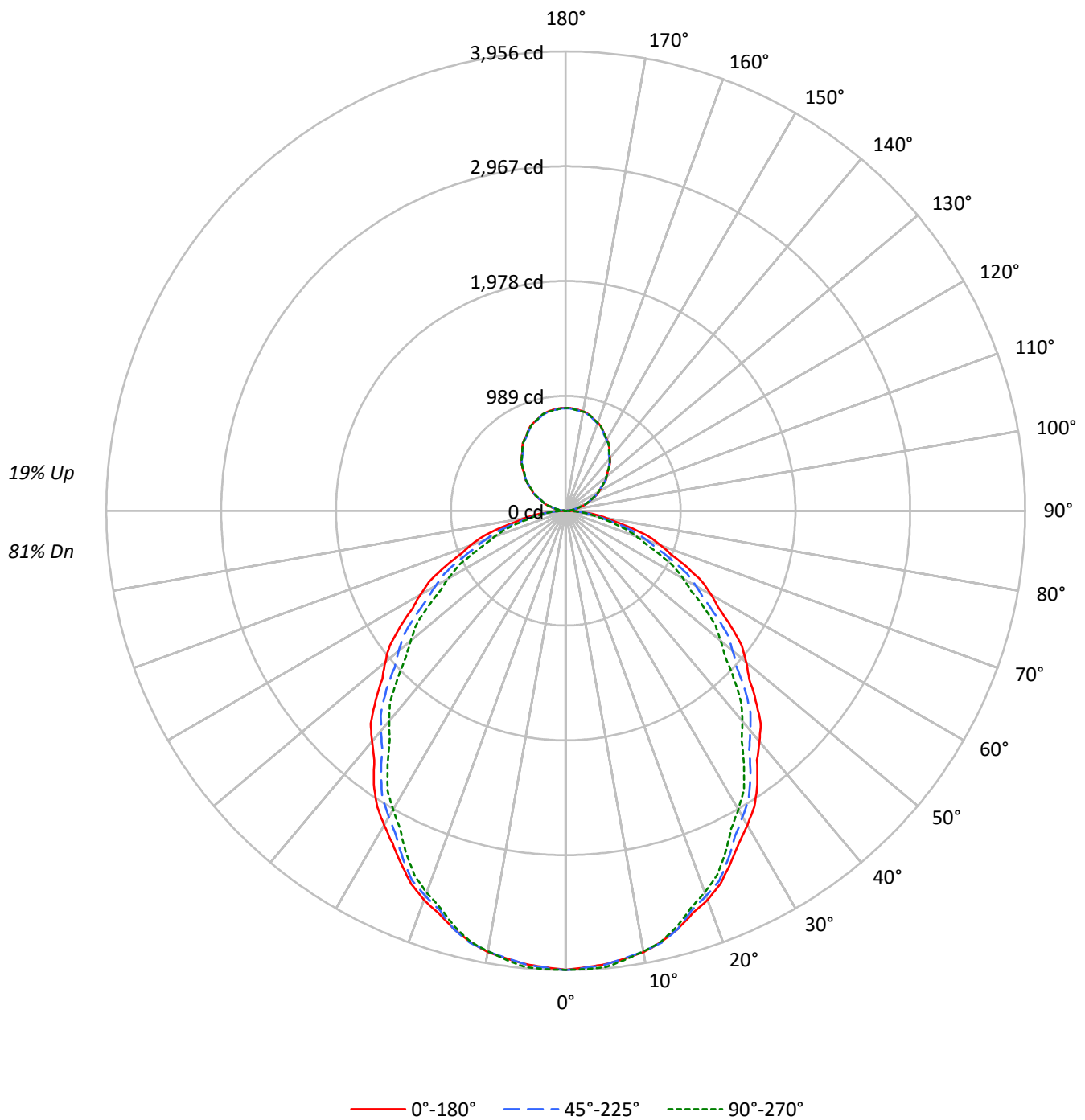
Input Watts (W): 94.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
RCR																	
0	114	114	114	114	110	110	110	110	100	100	100	92	92	92	84	84	84
1	105	101	97	93	100	96	93	90	89	86	83	82	79	77	75	73	72
2	96	88	82	77	91	85	79	74	78	73	70	72	68	65	66	63	61
3	88	78	70	64	84	75	68	62	69	64	59	64	59	55	59	55	52
4	80	69	61	55	77	67	59	53	62	55	51	57	52	48	53	49	45
5	74	62	54	47	71	60	52	46	56	49	44	52	46	42	48	43	40
6	68	56	47	41	65	54	46	41	50	44	39	47	41	37	44	39	35
7	64	51	42	37	61	49	41	36	46	39	34	43	37	33	40	35	31
8	59	46	38	33	57	45	37	32	42	35	31	39	34	29	37	32	28
9	55	43	35	29	53	41	34	29	39	32	28	36	31	27	34	29	26
10	52	39	32	27	50	38	31	26	36	30	25	34	28	24	32	27	23

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22380	22380	22380
5°	22274	22290	22421
10°	22176	22144	22144
15°	21837	21837	21705
20°	21482	21263	21072
25°	20937	20674	20306
30°	20424	19892	19415
35°	19886	19148	18469
40°	19169	18257	17468
45°	18519	17463	16384
50°	17851	16515	15329
55°	17123	15600	14324
60°	16337	14652	13191
65°	15418	13575	11995
70°	14357	12313	10687
75°	13016	10807	9517
80°	11347	9060	8418
85°	8750	7659	7659

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 18519 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.3	3.2
10°-20°	1048.6	8.9
20°-30°	1523.3	13.0
30°-40°	1731.9	14.7
40°-50°	1681.2	14.3
50°-60°	1419.4	12.1
60°-70°	1009.9	8.6
70°-80°	539.6	4.6
80°-90°	142.6	1.2
90°-100°	37.3	0.3
100°-110°	146.1	1.2
110°-120°	260.3	2.2
120°-130°	352.3	3.0
130°-140°	405.0	3.4
140°-150°	406.4	3.5
150°-160°	349.5	3.0
160°-170°	236.6	2.0
170°-180°	83.4	0.7
0°-30°	2945.2	25.1
0°-40°	4677.1	39.8
0°-60°	7777.8	66.2
0°-90°	9469.8	80.6
90°-120°	443.7	3.8
90°-150°	1607.4	13.7
90°-180°	2277.0	19.4
0°-180°	11746.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3956	3956	3956	3956	3956	
5°	3922	3972	3925	3920	3948	372
15°	3728	3761	3728	3706	3706	1050
25°	3354	3365	3312	3267	3253	1545
35°	2879	2852	2773	2691	2674	1794
45°	2315	2279	2183	2078	2048	1785
55°	1736	1689	1582	1480	1452	1552
65°	1152	1111	1014	924	896	1141
75°	596	563	494	444	435	635
85°	135	124	118	118	118	160
90°	0	0	0	0	0	7
95°	36	33	29	27	28	41
105°	142	141	136	134	133	151
115°	266	267	261	260	260	263
125°	396	400	392	391	392	354
135°	527	532	524	520	525	406
145°	653	658	648	644	650	408
155°	762	769	756	753	761	351
165°	841	849	837	833	841	237
175°	881	889	877	872	875	84
180°	883	883	883	883	883	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3956.0	3956.0	3956.0	3956.0	3956.0
2.5°	3935.7	3975.3	3940.2	3944.9	3953.7
5°	3922.2	3971.7	3925.1	3920.1	3948.2
7.5°	3891.9	3937.0	3888.5	3877.3	3902.0
10°	3860.4	3909.9	3854.8	3841.1	3854.8
12.5°	3804.3	3855.9	3812.1	3789.4	3800.9
15°	3728.4	3761.4	3728.4	3705.9	3705.9
17.5°	3635.7	3670.3	3608.2	3592.3	3586.1
20°	3568.3	3598.5	3531.8	3509.1	3500.2
22.5°	3478.4	3506.4	3450.9	3411.9	3401.3
25°	3354.1	3365.1	3312.0	3266.7	3253.0
27.5°	3230.0	3232.7	3159.7	3104.8	3086.7
30°	3126.6	3129.3	3045.1	2985.8	2972.1
32.5°	3023.2	3015.0	2935.0	2864.6	2855.2
35°	2879.4	2851.9	2772.6	2690.8	2674.3
37.5°	2705.8	2689.3	2595.7	2513.6	2488.9
40°	2595.7	2568.2	2472.1	2390.0	2365.3
42.5°	2485.5	2453.7	2355.2	2264.1	2237.2
45°	2314.7	2279.0	2182.7	2078.1	2047.9
47.5°	2142.8	2103.8	1997.9	1896.5	1863.0
50°	2028.2	1987.0	1876.5	1777.4	1741.7
52.5°	1911.3	1867.9	1757.4	1656.2	1627.1
55°	1736.1	1689.4	1581.6	1479.8	1452.3
57.5°	1560.8	1514.6	1407.4	1311.1	1278.2
60°	1443.9	1400.0	1295.0	1198.8	1165.8
62.5°	1324.8	1283.0	1180.4	1086.4	1055.7
65°	1151.8	1110.6	1014.1	923.6	896.1
67.5°	980.4	945.2	850.0	767.0	745.0
70°	868.0	835.1	744.4	668.1	646.1
72.5°	760.2	725.0	638.8	573.8	558.5
75°	595.5	562.6	494.4	443.7	435.4
77.5°	445.0	418.1	359.0	330.3	325.9
80°	348.3	323.6	278.1	258.4	258.4
82.5°	258.4	238.1	208.4	200.0	200.0
85°	134.8	123.9	118.0	118.0	118.0
87.5°	40.5	40.5	38.2	36.0	36.0
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.8	8.7	5.4	4.3	4.3
95°	35.9	32.6	29.1	27.1	27.8
97.5°	66.3	63.1	58.8	56.8	57.3
100°	87.4	84.7	79.9	77.9	77.9
102.5°	108.0	106.4	101.6	99.6	100.1
105°	141.6	140.9	136.2	134.1	132.8
107.5°	178.7	177.5	172.2	172.0	170.8
110°	202.5	201.9	197.1	196.4	195.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	226.9	227.9	222.6	221.9	221.2
115°	265.5	266.9	260.8	260.1	259.5
117.5°	305.1	307.0	300.5	299.8	298.6
120°	330.6	334.6	326.5	325.8	325.2
122.5°	356.6	360.0	352.5	351.3	351.2
125°	395.6	400.2	392.2	390.9	391.5
127.5°	434.6	439.4	431.9	429.2	430.7
130°	460.6	465.9	457.9	455.3	457.3
132.5°	487.2	492.5	484.5	481.9	484.9
135°	527.0	532.3	523.6	519.7	525.0
137.5°	565.9	570.6	561.0	558.3	563.9
140°	591.4	596.0	586.0	582.7	589.4
142.5°	616.3	621.5	610.4	607.1	614.3
145°	653.0	658.3	647.6	644.4	650.3
147.5°	688.3	693.7	682.8	679.0	685.1
150°	709.9	715.9	704.5	701.3	707.9
152.5°	731.1	737.6	725.7	721.9	730.1
155°	762.1	768.7	756.0	752.8	760.7
157.5°	790.0	796.1	784.6	781.4	788.2
160°	806.8	813.4	801.4	798.2	806.1
162.5°	821.4	828.1	817.1	812.8	820.8
165°	841.4	848.6	837.3	832.7	841.4
167.5°	858.0	865.8	853.8	849.7	858.3
170°	867.8	875.1	863.0	857.8	866.4
172.5°	874.3	881.6	869.5	864.3	870.2
175°	881.3	889.3	877.3	871.9	875.2
177.5°	884.4	890.8	881.2	876.5	883.9
180°	883.4	883.4	883.4	883.4	883.4

(END OF REPORT)