

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1439156

Luminaire Tested: CB3-030U-120D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439156
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-030U-120D-930-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

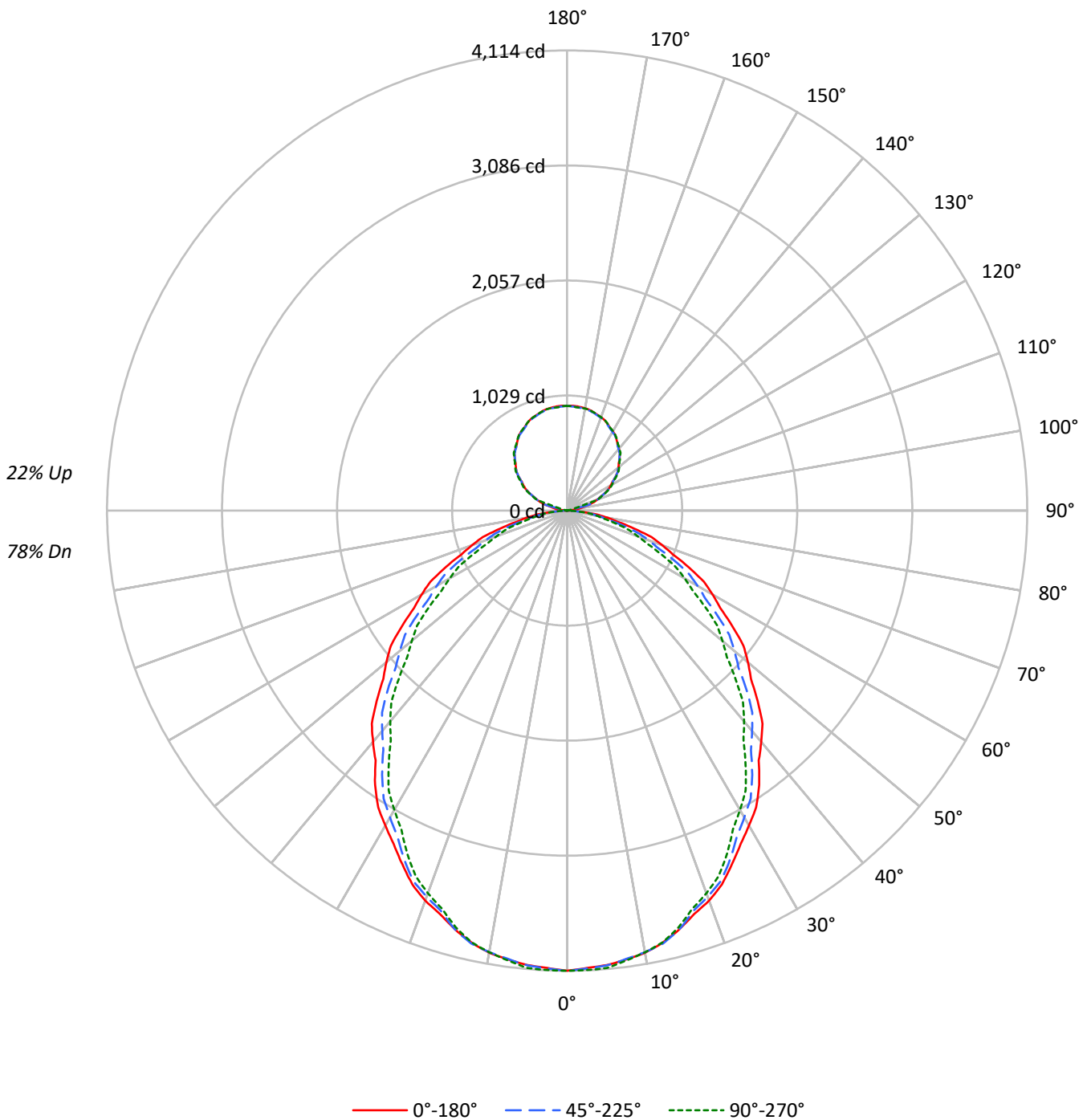
Lumens per Lamp: N/A
Luminaire Lumens: 12608.9 lumens
Efficiency: N/A
Efficacy: 133.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 94.6
Input Voltage (V): 120
Input Current (A_{in}): 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	114	114	114	114	109	109	109	109	99	99	99	90	90	90	82	82	82	78
1	104	100	96	92	99	96	92	89	87	85	82	80	78	76	73	71	70	66
2	95	88	81	76	91	84	78	73	77	72	69	70	67	64	65	62	59	56
3	87	77	70	64	83	74	67	62	68	63	58	63	58	54	57	54	51	48
4	80	69	61	54	76	66	59	53	61	55	50	56	51	47	52	47	44	41
5	74	62	53	47	70	59	52	46	55	48	43	51	45	41	47	42	39	36
6	68	56	47	41	65	53	46	40	50	43	38	46	40	36	42	38	34	32
7	63	50	42	36	60	49	41	36	45	39	34	42	36	32	39	34	30	28
8	59	46	38	32	56	44	37	32	41	35	30	38	33	29	36	31	27	25
9	55	42	34	29	52	41	34	29	38	32	27	35	30	26	33	28	25	23
10	51	39	31	26	49	38	31	26	35	29	25	33	28	24	31	26	23	21

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23274	23274	23274
5°	23164	23181	23313
10°	23063	23029	23029
15°	22709	22709	22572
20°	22340	22112	21918
25°	21777	21503	21120
30°	21244	20690	20194
35°	20684	19917	19210
40°	19938	18989	18169
45°	19262	18164	17041
50°	18567	17178	15944
55°	17810	16225	14899
60°	16992	15241	13720
65°	16037	14120	12477
70°	14935	12808	11115
75°	13539	11242	9900
80°	11803	9425	8757
85°	9107	7964	7964

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19262 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	388.2	3.1
10°-20°	1090.5	8.6
20°-30°	1584.4	12.6
30°-40°	1801.4	14.3
40°-50°	1748.7	13.9
50°-60°	1476.4	11.7
60°-70°	1050.4	8.3
70°-80°	561.2	4.5
80°-90°	148.3	1.2
90°-100°	21.6	0.2
100°-110°	156.4	1.2
110°-120°	371.8	2.9
120°-130°	475.0	3.8
130°-140°	512.3	4.1
140°-150°	483.0	3.8
150°-160°	394.0	3.1
160°-170°	256.7	2.0
170°-180°	88.7	0.7
0°-30°	3063.1	24.3
0°-40°	4864.4	38.6
0°-60°	8089.5	64.2
0°-90°	9849.5	78.1
90°-120°	549.7	4.4
90°-150°	2020.0	16.0
90°-180°	2759.0	21.9
0°-180°	12608.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4114	4114	4114	4114	4114	
5°	4079	4130	4082	4077	4105	387
15°	3877	3912	3877	3854	3854	1092
25°	3489	3500	3445	3398	3384	1607
35°	2995	2966	2884	2799	2782	1866
45°	2408	2370	2270	2162	2130	1857
55°	1806	1757	1645	1539	1511	1614
65°	1198	1155	1055	961	932	1187
75°	619	585	514	462	453	660
85°	140	129	123	123	123	166
90°	0	0	0	1	0	7
95°	40	7	9	10	10	49
105°	198	201	204	15	16	209
115°	371	374	375	380	383	366
125°	528	531	530	536	539	471
135°	663	666	661	666	670	511
145°	772	776	767	772	776	483
155°	855	862	850	852	858	394
165°	911	916	906	903	910	257
175°	937	942	929	924	927	89
180°	935	935	935	935	935	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4114.0	4114.0	4114.0	4114.0	4114.0
2.5°	4093.0	4134.1	4097.6	4102.5	4111.7
5°	4078.9	4130.4	4081.9	4076.7	4105.2
7.5°	4047.4	4094.2	4043.9	4032.2	4057.9
10°	4014.7	4066.1	4008.8	3994.5	4008.8
12.5°	3956.2	4009.9	3964.4	3940.7	3952.7
15°	3877.3	3911.6	3877.3	3854.0	3854.0
17.5°	3780.9	3816.9	3752.3	3735.8	3729.5
20°	3710.8	3742.2	3672.8	3649.2	3640.7
22.5°	3617.3	3646.4	3588.6	3548.7	3537.8
25°	3488.7	3500.1	3444.9	3397.8	3383.5
27.5°	3359.6	3362.4	3286.5	3229.4	3210.6
30°	3252.0	3254.9	3167.3	3105.6	3091.3
32.5°	3144.5	3136.0	3052.8	2979.5	2969.8
35°	2994.9	2966.4	2883.9	2798.8	2781.6
37.5°	2814.4	2797.2	2699.8	2614.5	2588.8
40°	2699.8	2671.2	2571.3	2485.9	2460.2
42.5°	2585.3	2552.1	2449.7	2355.0	2327.0
45°	2407.6	2370.5	2270.3	2161.5	2130.0
47.5°	2228.8	2188.2	2078.0	1972.6	1937.8
50°	2109.6	2066.7	1951.8	1848.7	1811.6
52.5°	1988.0	1942.9	1827.9	1722.6	1692.4
55°	1805.7	1757.2	1645.0	1539.2	1510.6
57.5°	1623.4	1575.4	1463.9	1363.7	1329.5
60°	1501.8	1456.1	1347.0	1246.9	1212.6
62.5°	1378.0	1334.5	1227.8	1130.0	1098.0
65°	1198.0	1155.1	1054.8	960.6	932.1
67.5°	1019.7	983.2	884.2	797.7	774.9
70°	902.9	868.6	774.3	694.9	672.0
72.5°	790.7	754.1	664.4	596.9	580.9
75°	619.4	585.2	514.3	461.5	452.9
77.5°	462.8	434.8	373.4	343.5	338.9
80°	362.3	336.6	289.3	268.8	268.8
82.5°	268.8	247.7	216.8	208.0	208.0
85°	140.3	128.8	122.7	122.7	122.7
87.5°	42.1	42.1	39.7	37.5	37.4
90°	0.0	0.0	0.0	0.7	0.0
92.5°	10.7	4.1	3.4	4.1	3.9
95°	39.5	7.1	9.2	9.9	9.9
97.5°	79.5	78.0	10.7	12.8	13.0
100°	109.9	113.4	11.3	13.4	14.1
102.5°	143.7	146.6	20.9	14.0	14.7
105°	198.0	200.7	203.6	14.8	15.5
107.5°	252.0	254.0	255.9	230.4	86.2
110°	287.5	289.5	290.3	297.4	298.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	320.7	323.4	324.7	330.7	333.1
115°	371.3	374.1	374.8	380.5	382.6
117.5°	419.4	422.3	423.6	428.2	431.5
120°	450.9	454.4	455.2	460.9	463.6
122.5°	481.9	485.9	485.6	490.8	494.6
125°	527.7	531.2	529.9	535.6	539.0
127.5°	571.3	573.4	570.4	577.4	580.3
130°	598.9	601.0	597.5	603.9	607.4
132.5°	624.3	627.4	623.4	629.3	632.7
135°	663.0	666.5	660.9	665.9	670.1
137.5°	697.6	701.7	695.0	700.9	704.5
140°	720.1	724.2	715.9	722.3	726.4
142.5°	741.0	746.2	736.2	742.1	746.7
145°	771.5	776.4	766.6	771.6	775.8
147.5°	800.6	804.7	795.4	798.9	801.8
150°	818.0	822.2	811.7	815.3	818.8
152.5°	832.1	837.9	827.5	830.0	835.1
155°	854.7	861.6	849.8	852.0	857.5
157.5°	875.4	881.6	869.8	871.7	876.5
160°	887.8	894.0	882.2	883.0	887.8
162.5°	897.4	903.0	892.9	891.5	897.4
165°	911.1	915.9	906.1	903.4	909.6
167.5°	922.5	928.0	916.0	913.7	920.8
170°	928.7	934.2	921.6	918.3	925.8
172.5°	932.6	937.6	925.6	921.1	927.0
175°	937.1	941.9	929.4	924.5	927.3
177.5°	938.4	942.3	932.2	927.8	934.4
180°	935.0	935.0	935.0	935.0	935.0



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	20.37	21.54	21.04	22.23	23.03	19.29	20.46	19.97	21.15	21.95
	3H	22.06	23.11	22.75	23.81	24.64	20.73	21.78	21.41	22.47	23.31
	4H	22.70	23.69	23.41	24.40	25.25	21.26	22.25	21.97	22.96	23.81
	6H	23.10	24.01	23.82	24.74	25.60	21.59	22.50	22.31	23.22	24.09
	8H	23.25	24.12	23.98	24.86	25.73	21.72	22.59	22.45	23.33	24.20
	12H	23.33	24.15	24.06	24.89	25.78	21.81	22.64	22.54	23.37	24.27
4H	2H	20.81	21.80	21.52	22.51	23.36	19.95	20.94	20.66	21.65	22.50
	3H	22.73	23.55	23.45	24.30	25.17	21.60	22.42	22.32	23.17	24.04
	4H	23.49	24.24	24.23	24.99	25.89	22.22	22.97	22.96	23.72	24.62
	6H	24.01	24.66	24.77	25.43	26.34	22.65	23.30	23.41	24.07	24.98
	8H	24.21	24.81	24.97	25.58	26.50	22.83	23.43	23.59	24.20	25.12
	12H	24.32	24.86	25.10	25.66	26.58	22.95	23.49	23.73	24.28	25.21
8H	4H	23.64	24.25	24.41	25.02	25.94	22.51	23.11	23.27	23.88	24.80
	6H	24.28	24.78	25.07	25.59	26.51	23.05	23.55	23.84	24.36	25.28
	8H	24.55	25.00	25.36	25.81	26.75	23.30	23.75	24.10	24.56	25.50
	12H	24.73	25.12	25.54	25.93	26.92	23.49	23.88	24.30	24.69	25.68
12H	4H	23.63	24.18	24.41	24.97	25.89	22.52	23.07	23.30	23.86	24.78
	6H	24.29	24.74	25.10	25.55	26.49	23.10	23.55	23.91	24.36	25.30
	8H	24.61	25.00	25.41	25.80	26.80	23.40	23.79	24.21	24.60	25.59