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: P1439152

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

Issue Date: 3/31/2026

Test Information

Test Method:	LM-79-2024
Report Number:	P1439152
	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-840-1D-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:	4000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	12122.5 lumens
Efficiency:	N/A
Efficacy:	128.1 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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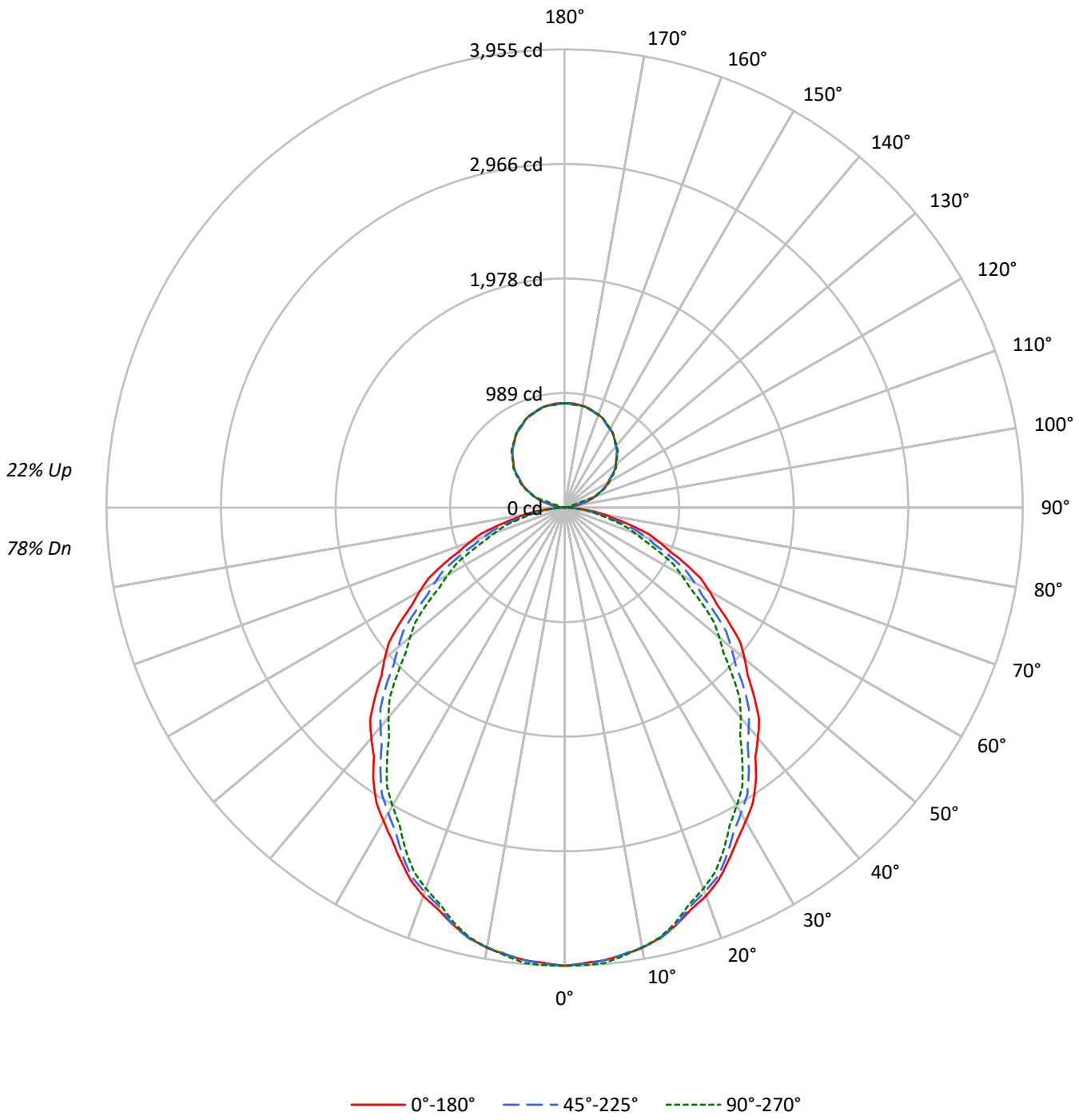
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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°	22376	22376	22376
5°	22270	22286	22414
10°	22173	22141	22141
15°	21833	21833	21701
20°	21478	21258	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°	373.2	3.1
10°-20°	1048.4	8.6
20°-30°	1523.3	12.6
30°-40°	1731.9	14.3
40°-50°	1681.2	13.9
50°-60°	1419.4	11.7
60°-70°	1009.9	8.3
70°-80°	539.6	4.5
80°-90°	142.6	1.2
90°-100°	20.8	0.2
100°-110°	150.3	1.2
110°-120°	357.4	2.9
120°-130°	456.6	3.8
130°-140°	492.5	4.1
140°-150°	464.3	3.8
150°-160°	378.8	3.1
160°-170°	246.8	2.0
170°-180°	85.3	0.7
0°-30°	2944.9	24.3
0°-40°	4676.7	38.6
0°-60°	7777.4	64.2
0°-90°	9469.5	78.1
90°-120°	528.5	4.4
90°-150°	1942.1	16.0
90°-180°	2653.0	21.9
0°-180°	12122.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3955	3955	3955	3955	3955	
5°	3922	3971	3924	3919	3947	372
15°	3728	3761	3728	3705	3705	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	1	0	7
95°	38	7	9	10	10	47
105°	190	193	196	14	15	201
115°	357	360	360	366	368	352
125°	507	511	509	515	518	453
135°	638	641	635	640	644	491
145°	742	746	737	742	746	464
155°	822	828	817	819	824	379
165°	876	880	871	869	874	247
175°	901	906	894	889	892	86
180°	899	899	899	899	899	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3955.3	*3955.3*	3955.3	3955.3	3955.3
2.5°	*3935.1*	*3974.6*	*3939.6*	*3944.2*	*3953.0*
5°	3921.6	*3971.0*	3924.4	3919.4	3946.9
7.5°	3891.2	*3936.3*	3887.9	3876.6	3901.3
10°	3859.8	*3909.2*	3854.2	3840.4	3854.2
12.5°	3803.6	*3855.2*	3811.5	3788.7	3800.2
15°	3727.7	*3760.7*	3727.7	3705.3	3705.3
17.5°	3635.0	*3669.6*	3607.5	3591.6	3585.6
20°	3567.6	*3597.8*	3531.1	3508.4	3500.2
22.5°	3477.7	*3505.7*	3450.2	3411.8	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	36.1	36.0
90°	0.0	*0.0*	0.0	0.7	0.0
92.5°	10.3	*3.9*	3.3	3.9	3.8
95°	37.9	*6.8*	8.8	9.5	9.5
97.5°	76.4	*75.0*	10.3	12.3	12.5
100°	105.7	*109.0*	10.8	12.9	13.5
102.5°	138.2	*141.0*	20.1	13.4	14.1
105°	190.4	*193.0*	195.8	14.2	14.9
107.5°	242.2	*244.2*	246.0	221.5	82.9
110°	276.4	*278.4*	279.1	285.9	287.2

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	308.4	*310.9*	312.2	317.9	320.3
115°	357.0	*359.7*	360.4	365.9	367.8
117.5°	403.2	*406.0*	407.3	411.7	414.9
120°	433.5	*436.9*	437.6	443.1	445.7
122.5°	463.4	*467.2*	466.9	471.8	475.5
125°	507.4	*510.7*	509.4	514.9	518.2
127.5°	549.3	*551.2*	548.4	555.1	557.9
130°	575.8	*577.8*	574.5	580.6	583.9
132.5°	600.2	*603.2*	599.4	605.0	608.3
135°	637.5	*640.8*	635.4	640.3	644.2
137.5°	670.6	*674.6*	668.2	673.8	677.3
140°	692.3	*696.3*	688.3	694.4	698.4
142.5°	712.4	*717.4*	707.8	713.4	717.9
145°	741.8	*746.4*	737.0	741.9	745.8
147.5°	769.7	*773.7*	764.7	768.1	770.9
150°	786.5	*790.5*	780.4	783.9	787.2
152.5°	800.0	*805.6*	795.6	798.0	802.9
155°	821.7	*828.3*	817.0	819.1	824.4
157.5°	841.6	*847.6*	836.2	838.1	842.7
160°	853.5	*859.5*	848.1	848.9	853.5
162.5°	862.8	*868.2*	858.4	857.1	862.8
165°	875.9	*880.5*	871.2	868.6	874.5
167.5°	886.9	*892.2*	880.6	878.5	885.3
170°	892.8	*898.1*	886.1	882.8	890.1
172.5°	896.6	*901.4*	889.9	885.5	891.2
175°	901.0	*905.6*	893.5	888.8	891.5
177.5°	902.2	*905.9*	896.2	892.0	898.4
180°	898.9	*898.9*	898.9	898.9	898.9

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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	20.23	21.40	20.91	22.09	22.89	19.15	20.32	19.83	21.01	21.82
	3H	21.92	22.97	22.61	23.67	24.51	20.59	21.64	21.28	22.34	23.18
	4H	22.57	23.55	23.27	24.26	25.12	21.12	22.11	21.83	22.82	23.67
	6H	22.97	23.88	23.69	24.60	25.46	21.45	22.37	22.17	23.09	23.95
	8H	23.11	23.98	23.84	24.72	25.59	21.59	22.45	22.32	23.20	24.06
	12H	23.19	24.02	23.93	24.75	25.65	21.67	22.50	22.41	23.23	24.13
4H	2H	20.68	21.66	21.39	22.37	23.23	19.82	20.81	20.53	21.52	22.37
	3H	22.59	23.42	23.32	24.16	25.03	21.46	22.29	22.19	23.03	23.90
	4H	23.35	24.10	24.09	24.85	25.75	22.08	22.83	22.82	23.58	24.48
	6H	23.87	24.52	24.63	25.30	26.20	22.51	23.16	23.27	23.93	24.84
	8H	24.07	24.68	24.83	25.45	26.37	22.69	23.29	23.45	24.06	24.98
	12H	24.18	24.73	24.97	25.52	26.45	22.81	23.35	23.59	24.15	25.07
8H	4H	23.51	24.11	24.27	24.88	25.80	22.37	22.97	23.13	23.74	24.66
	6H	24.14	24.64	24.93	25.45	26.37	22.91	23.41	23.70	24.22	25.14
	8H	24.42	24.86	25.22	25.68	26.61	23.16	23.61	23.97	24.42	25.36
	12H	24.59	24.99	25.40	25.79	26.79	23.35	23.75	24.16	24.55	25.54
12H	4H	23.50	24.04	24.28	24.83	25.76	22.39	22.93	23.17	23.72	24.65
	6H	24.16	24.60	24.96	25.42	26.35	22.97	23.41	23.77	24.23	25.16
	8H	24.47	24.86	25.28	25.67	26.66	23.26	23.66	24.07	24.46	25.46

END OF REPORT