

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: P1439524

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439524
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-030U-120D-930-1D-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: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

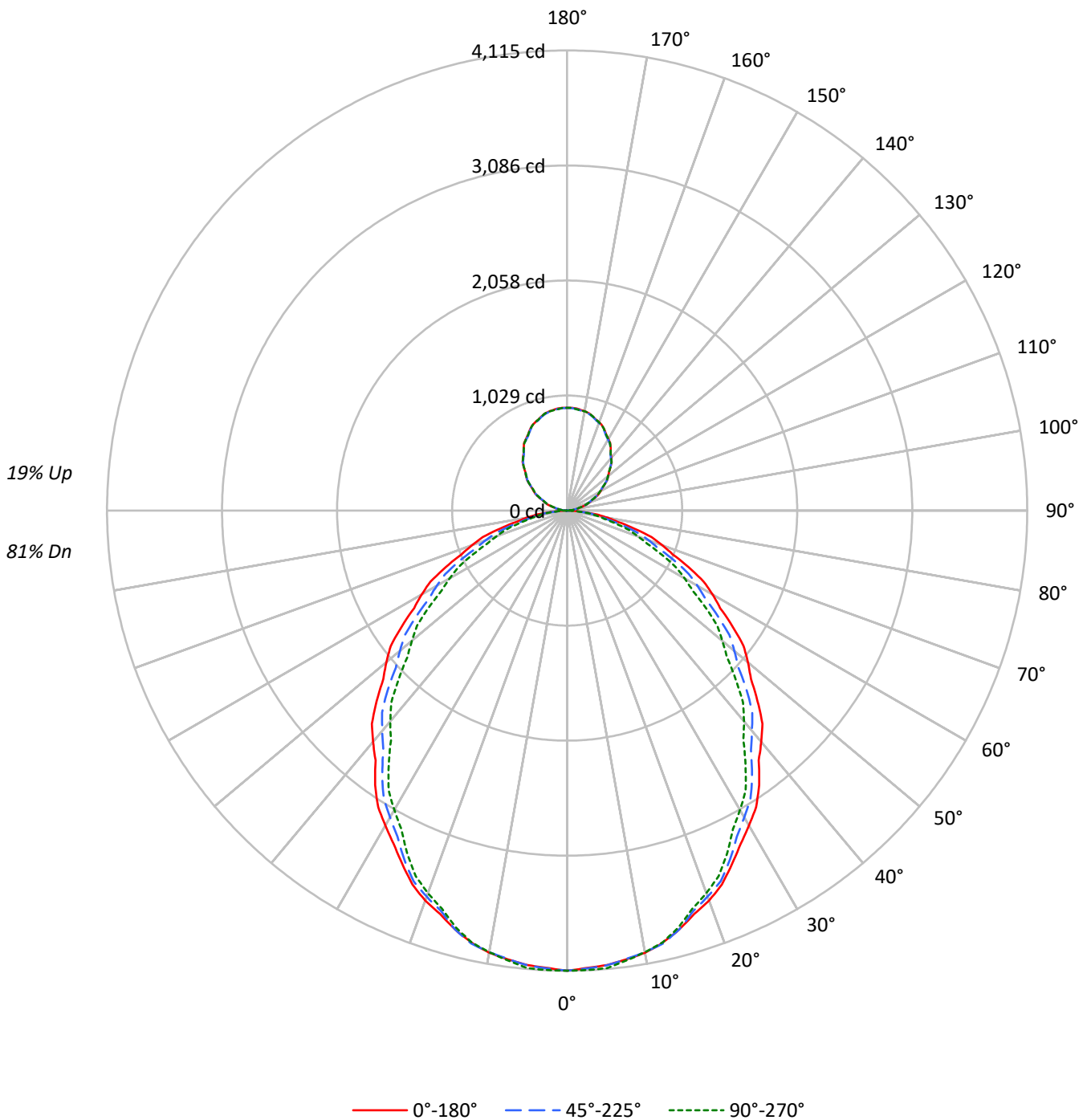
Lumens per Lamp: N/A
Luminaire Lumens: 12218.1 lumens
Efficiency: N/A
Efficacy: 129.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 94.6
Input Voltage (V): 120
Input Current (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	50	30	10	0	
RCR																						
0	114	114	114	114	110	110	110	110	100	100	100	92	92	92	84	84	84	81				
1	105	101	97	93	100	96	93	90	89	86	83	82	79	77	75	73	72	69				
2	96	88	82	77	91	85	79	74	78	73	70	72	68	65	66	63	61	58				
3	88	78	70	64	84	75	68	62	69	64	59	64	59	55	59	55	52	49				
4	80	69	61	55	77	67	59	53	62	55	51	57	52	48	53	49	45	43				
5	74	62	54	47	71	60	52	46	56	49	44	52	46	42	48	43	40	37				
6	68	56	47	41	65	54	46	41	50	44	39	47	41	37	44	39	35	33				
7	64	51	42	37	61	49	41	36	46	39	34	43	37	33	40	35	31	29				
8	59	46	38	33	57	45	37	32	42	35	31	39	34	29	37	32	28	26				
9	55	43	35	29	53	41	34	29	39	32	28	36	31	27	34	29	26	24				
10	52	39	32	27	50	38	31	26	36	30	25	34	28	24	32	27	23	22				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23278	23278	23278
5°	23168	23185	23321
10°	23067	23033	23033
15°	22713	22713	22576
20°	22345	22116	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	3.2
10°-20°	1090.7	8.9
20°-30°	1584.5	13.0
30°-40°	1801.4	14.7
40°-50°	1748.7	14.3
50°-60°	1476.4	12.1
60°-70°	1050.4	8.6
70°-80°	561.2	4.6
80°-90°	148.3	1.2
90°-100°	38.8	0.3
100°-110°	151.9	1.2
110°-120°	270.8	2.2
120°-130°	366.4	3.0
130°-140°	421.3	3.4
140°-150°	422.7	3.5
150°-160°	363.5	3.0
160°-170°	246.1	2.0
170°-180°	86.8	0.7
0°-30°	3063.4	25.1
0°-40°	4864.8	39.8
0°-60°	8089.9	66.2
0°-90°	9849.8	80.6
90°-120°	461.5	3.8
90°-150°	1671.9	13.7
90°-180°	2368.0	19.4
0°-180°	12218.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4115	4115	4115	4115	4115	
5°	4080	4131	4083	4077	4107	387
15°	3878	3912	3878	3855	3855	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	0	0	7
95°	37	34	30	28	29	43
105°	147	147	142	140	138	157
115°	276	278	271	271	270	274
125°	412	416	408	407	407	368
135°	548	554	545	541	546	423
145°	679	685	674	670	676	424
155°	793	800	786	783	791	365
165°	875	883	871	866	875	247
175°	917	925	912	907	910	87
180°	919	919	919	919	919	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4114.7	4114.7	4114.7	4114.7	4114.7
2.5°	4093.7	4134.8	4098.3	4103.2	4112.4
5°	4079.6	4131.1	4082.6	4077.4	4106.6
7.5°	4048.1	4094.9	4044.6	4032.9	4058.6
10°	4015.4	4066.8	4009.5	3995.2	4009.5
12.5°	3956.9	4010.6	3965.1	3941.4	3953.4
15°	3878.0	3912.3	3878.0	3854.7	3854.7
17.5°	3781.6	3817.6	3753.0	3736.5	3730.0
20°	3711.5	3742.9	3673.5	3649.9	3640.7
22.5°	3618.0	3647.1	3589.4	3548.8	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	37.4	37.4
90°	0.0	0.0	0.0	0.0	0.0
92.5°	10.1	9.0	5.6	4.5	4.5
95°	37.3	33.9	30.3	28.2	28.9
97.5°	68.9	65.6	61.2	59.1	59.6
100°	90.9	88.1	83.1	81.0	81.0
102.5°	112.3	110.7	105.7	103.6	104.1
105°	147.3	146.6	141.6	139.5	138.1
107.5°	185.9	184.6	179.1	178.9	177.7
110°	210.7	210.0	205.0	204.3	203.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	236.0	237.0	231.5	230.8	230.1
115°	276.2	277.6	271.3	270.6	269.9
117.5°	317.4	319.3	312.6	311.8	310.6
120°	343.8	348.0	339.6	338.9	338.2
122.5°	370.9	374.5	366.7	365.4	365.3
125°	411.5	416.3	408.0	406.6	407.3
127.5°	452.1	457.0	449.3	446.5	448.0
130°	479.1	484.6	476.3	473.5	475.6
132.5°	506.8	512.3	503.9	501.2	504.4
135°	548.2	553.7	544.7	540.6	546.1
137.5°	588.6	593.4	583.6	580.7	586.5
140°	615.1	619.9	609.5	606.1	613.0
142.5°	641.0	646.4	634.8	631.5	638.9
145°	679.2	684.7	673.6	670.2	676.4
147.5°	715.9	721.5	710.2	706.3	712.6
150°	738.4	744.6	732.8	729.4	736.3
152.5°	760.4	767.2	754.8	750.9	759.4
155°	792.7	799.6	786.3	783.0	791.3
157.5°	821.7	828.0	816.1	812.7	819.9
160°	839.2	846.1	833.5	830.2	838.5
162.5°	854.4	861.3	849.9	845.4	853.7
165°	875.1	882.7	870.9	866.2	875.1
167.5°	892.5	900.6	888.1	883.8	892.7
170°	902.6	910.2	897.7	892.2	901.2
172.5°	909.4	916.9	904.4	898.9	905.1
175°	916.7	925.0	912.5	906.9	910.3
177.5°	919.9	926.5	916.5	911.7	919.4
180°	918.8	918.8	918.8	918.8	918.8



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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	20.55	21.76	21.20	22.41	23.17	19.47	20.68	20.12	21.33	22.09
	3H	22.24	23.33	22.90	23.99	24.78	20.91	21.99	21.57	22.66	23.45
	4H	22.89	23.91	23.57	24.59	25.39	21.45	22.46	22.12	23.14	23.95
	6H	23.29	24.23	23.98	24.92	25.74	21.78	22.72	22.47	23.41	24.23
	8H	23.44	24.34	24.14	25.04	25.87	21.91	22.81	22.61	23.52	24.34
	12H	23.52	24.37	24.22	25.08	25.92	22.00	22.86	22.71	23.56	24.41
4H	2H	21.00	22.02	21.68	22.70	23.50	20.14	21.16	20.82	21.84	22.64
	3H	22.92	23.77	23.61	24.49	25.31	21.79	22.64	22.48	23.36	24.18
	4H	23.68	24.45	24.39	25.17	26.03	22.41	23.18	23.12	23.90	24.75
	6H	24.20	24.87	24.93	25.62	26.48	22.84	23.51	23.57	24.25	25.12
	8H	24.40	25.03	25.14	25.77	26.64	23.02	23.64	23.75	24.39	25.26
	12H	24.52	25.08	25.27	25.84	26.72	23.14	23.70	23.90	24.47	25.35
8H	4H	23.84	24.46	24.57	25.20	26.08	22.70	23.32	23.43	24.06	24.94
	6H	24.47	24.99	25.23	25.77	26.65	23.24	23.76	24.01	24.54	25.42
	8H	24.75	25.21	25.53	26.00	26.89	23.50	23.96	24.27	24.74	25.63
	12H	24.93	25.34	25.71	26.11	27.06	23.69	24.09	24.47	24.87	25.82
12H	4H	23.83	24.39	24.58	25.15	26.03	22.72	23.28	23.47	24.04	24.92
	6H	24.49	24.95	25.27	25.74	26.63	23.30	23.76	24.08	24.55	25.44
	8H	24.81	25.21	25.58	25.99	26.94	23.60	24.01	24.38	24.78	25.73