

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: P1439318

Luminaire Tested: CB3-125U-030D-840-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439318
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: CB3-125U-030D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

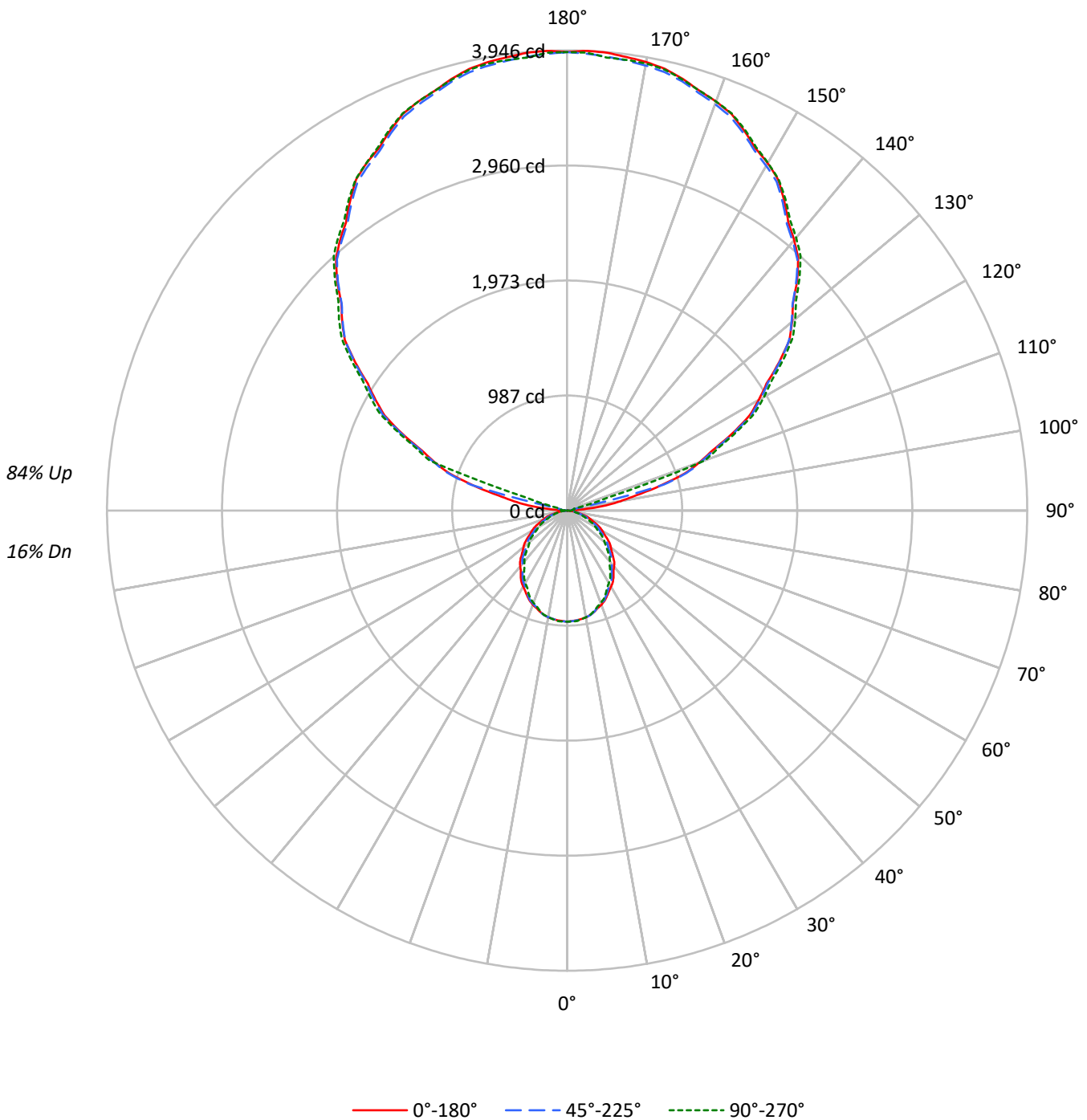
Lumens per Lamp: N/A
Luminaire Lumens: 13884.9 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 109.3
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										
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	50	30	10	0														
RCR																																						
0	99	99	99	99	87	87	87	87	65	65	65	44	44	44	25	25	25	16																				
1	90	86	83	79	79	76	73	70	57	55	53	39	38	37	22	22	21	14																				
2	82	75	70	65	72	66	62	58	50	46	44	34	32	31	20	19	18	12																				
3	75	66	59	54	66	58	53	48	44	40	37	30	28	26	18	16	15	10																				
4	68	58	51	45	60	52	45	41	39	35	31	27	24	22	16	14	13	9																				
5	63	52	44	39	55	46	39	35	34	30	27	24	21	19	14	13	12	8																				
6	58	46	39	33	50	41	35	30	31	26	23	22	19	17	13	11	10	7																				
7	53	42	34	29	47	37	30	26	28	23	20	19	17	15	12	10	9	6																				
8	49	38	30	25	43	33	27	23	25	21	18	18	15	13	11	9	8	5																				
9	46	34	27	22	40	30	24	20	23	19	16	16	13	11	10	8	7	5																				
10	42	31	24	20	37	28	22	18	21	17	14	15	12	10	9	8	7	4																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5391	5391	5391
5°	5365	5369	5399
10°	5341	5334	5334
15°	5259	5259	5228
20°	5174	5122	5076
25°	5044	4981	4892
30°	4920	4792	4677
35°	4791	4613	4450
40°	4618	4398	4208
45°	4461	4207	3947
50°	4300	3979	3693
55°	4125	3758	3451
60°	3935	3530	3177
65°	3715	3270	2890
70°	3459	2966	2575
75°	3137	2603	2293
80°	2733	2183	2030
85°	2110	1843	1843

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4461 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.9	0.6
10°-20°	252.6	1.8
20°-30°	367.0	2.6
30°-40°	417.2	3.0
40°-50°	405.0	2.9
50°-60°	342.0	2.5
60°-70°	243.3	1.8
70°-80°	130.0	0.9
80°-90°	34.5	0.2
90°-100°	90.8	0.7
100°-110°	657.5	4.7
110°-120°	1563.3	11.3
120°-130°	1997.2	14.4
130°-140°	2154.3	15.5
140°-150°	2030.9	14.6
150°-160°	1656.8	11.9
160°-170°	1079.5	7.8
170°-180°	373.2	2.7
0°-30°	709.4	5.1
0°-40°	1126.7	8.1
0°-60°	1873.6	13.5
0°-90°	2281.4	16.4
90°-120°	2311.6	16.6
90°-150°	8494.1	61.2
90°-180°	11604.0	83.6
0°-180°	13884.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	953	953	953	953	953	
5°	945	957	945	944	951	90
15°	898	906	898	893	893	253
25°	808	811	798	787	784	372
35°	694	687	668	648	644	432
45°	558	549	526	501	493	430
55°	418	407	381	356	350	374
65°	278	268	244	222	216	275
75°	144	136	119	107	105	153
85°	32	30	28	28	28	38
90°	0	0	0	3	0	7
95°	166	30	38	42	42	205
105°	833	844	856	62	65	878
115°	1562	1573	1576	1600	1609	1540
125°	2219	2234	2228	2252	2267	1980
135°	2788	2803	2779	2800	2818	2147
145°	3244	3265	3224	3245	3262	2030
155°	3594	3623	3573	3583	3606	1657
165°	3831	3851	3810	3799	3825	1082
175°	3941	3961	3908	3888	3899	375
180°	3932	3932	3932	3932	3932	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	952.9	952.9	952.9	952.9	952.9
2.5°	948.0	957.5	949.1	950.2	952.3
5°	944.7	956.6	945.4	944.2	950.8
7.5°	937.4	948.3	936.6	933.9	939.9
10°	929.8	941.8	928.5	925.2	928.5
12.5°	916.3	928.7	918.2	912.7	915.5
15°	898.0	906.0	898.0	892.6	892.6
17.5°	875.7	884.0	869.1	865.3	863.8
20°	859.5	866.7	850.7	845.2	843.2
22.5°	837.8	844.6	831.2	821.9	819.4
25°	808.0	810.7	797.9	787.0	783.7
27.5°	778.1	778.8	761.2	748.0	743.6
30°	753.2	753.9	733.6	719.3	716.0
32.5°	728.3	726.3	707.1	690.1	687.8
35°	693.7	687.0	667.9	648.2	644.3
37.5°	651.8	647.9	625.3	605.5	599.6
40°	625.3	618.7	595.5	575.8	569.8
42.5°	598.8	591.1	567.4	545.4	539.0
45°	557.6	549.0	525.8	500.6	493.3
47.5°	516.2	506.8	481.3	456.9	448.8
50°	488.6	478.7	452.1	428.2	419.6
52.5°	460.5	450.0	423.4	399.0	392.0
55°	418.2	407.0	381.0	356.5	349.9
57.5°	376.0	364.9	339.0	315.9	307.9
60°	347.8	337.3	312.0	288.8	280.8
62.5°	319.2	309.1	284.4	261.7	254.3
65°	277.5	267.5	244.3	222.5	215.9
67.5°	236.2	227.7	204.8	184.8	179.5
70°	209.1	201.2	179.3	160.9	155.7
72.5°	183.1	174.7	153.9	138.2	134.5
75°	143.5	135.5	119.1	106.9	104.9
77.5°	107.2	100.7	86.5	79.6	78.5
80°	83.9	78.0	67.0	62.3	62.3
82.5°	62.3	57.4	50.2	48.2	48.2
85°	32.5	29.8	28.4	28.4	28.4
87.5°	9.7	9.7	9.2	9.2	8.7
90°	0.0	0.0	0.0	2.9	0.0
92.5°	45.0	17.2	14.2	17.2	16.6
95°	165.9	29.8	38.5	41.5	41.5
97.5°	334.2	327.8	45.0	53.9	54.5
100°	462.2	476.7	47.4	56.4	59.3
102.5°	604.4	616.6	87.7	58.7	61.6
105°	832.6	844.2	856.3	62.3	65.2
107.5°	1059.5	1068.2	1076.1	968.7	362.7
110°	1208.9	1217.6	1220.7	1250.5	1256.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1348.7	1359.7	1365.3	1390.4	1400.9
115°	1561.5	1573.0	1576.3	1600.2	1608.9
117.5°	1763.5	1775.7	1781.3	1800.6	1814.5
120°	1896.3	1910.7	1914.0	1938.0	1949.6
122.5°	2026.6	2043.4	2042.0	2063.7	2080.0
125°	2219.2	2233.7	2228.1	2252.1	2266.6
127.5°	2402.3	2411.0	2398.8	2428.1	2440.3
130°	2518.5	2527.2	2512.5	2539.5	2554.0
132.5°	2625.1	2638.5	2621.6	2646.2	2660.7
135°	2788.1	2802.6	2779.2	2800.3	2817.7
137.5°	2933.3	2950.7	2922.6	2947.3	2962.3
140°	3028.1	3045.5	3010.3	3037.4	3054.8
142.5°	3115.8	3137.8	3095.6	3120.4	3140.1
145°	3244.4	3264.7	3223.6	3244.8	3262.2
147.5°	3366.5	3383.8	3344.5	3359.6	3371.8
150°	3439.9	3457.3	3413.3	3428.4	3442.9
152.5°	3499.2	3523.5	3479.6	3490.2	3511.6
155°	3594.0	3623.0	3573.3	3582.7	3605.9
157.5°	3681.1	3707.2	3657.4	3665.6	3685.9
160°	3733.3	3759.3	3709.6	3713.0	3733.3
162.5°	3773.6	3797.3	3754.6	3748.6	3773.6
165°	3831.0	3851.3	3810.3	3799.0	3825.1
167.5°	3879.0	3902.2	3851.8	3842.4	3871.9
170°	3905.1	3928.3	3875.5	3861.4	3893.3
172.5°	3921.7	3942.6	3892.1	3873.1	3898.0
175°	3940.7	3961.0	3908.1	3887.6	3899.2
177.5°	3946.0	3962.2	3919.9	3901.6	3929.4
180°	3931.8	3931.8	3931.8	3931.8	3931.8

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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	8.42	9.04	9.62	10.22	11.90	7.34	7.96	8.55	9.14	10.83
	3H	10.07	10.62	11.28	11.81	13.51	8.74	9.29	9.95	10.48	12.18
	4H	10.69	11.22	11.90	12.40	14.10	9.24	9.77	10.46	10.96	12.66
	6H	11.06	11.55	12.28	12.73	14.44	9.55	10.04	10.77	11.22	12.93
	8H	11.19	11.65	12.41	12.86	14.56	9.67	10.13	10.89	11.33	13.03
	12H	11.25	11.69	12.48	12.88	14.61	9.73	10.17	10.96	11.37	13.09
4H	2H	8.80	9.33	10.02	10.51	12.21	7.94	8.47	9.17	9.66	11.35
	3H	10.67	11.11	11.89	12.32	14.03	9.54	9.98	10.76	11.19	12.90
	4H	11.41	11.81	12.63	13.01	14.74	10.13	10.54	11.36	11.74	13.47
	6H	11.89	12.24	13.12	13.46	15.18	10.53	10.88	11.76	12.10	13.82
	8H	12.08	12.40	13.31	13.62	15.35	10.70	11.02	11.93	12.23	13.97
	12H	12.17	12.46	13.41	13.68	15.42	10.79	11.09	12.03	12.31	14.04
8H	4H	11.52	11.84	12.74	13.05	14.78	10.38	10.70	11.60	11.91	13.64
	6H	12.13	12.39	13.37	13.65	15.37	10.90	11.16	12.14	12.42	14.15
	8H	12.40	12.63	13.65	13.86	15.61	11.15	11.38	12.40	12.61	14.36
	12H	12.55	12.76	13.81	13.98	15.76	11.31	11.51	12.56	12.74	14.52
12H	4H	11.48	11.77	12.72	12.99	14.73	10.37	10.66	11.61	11.88	13.62
	6H	12.14	12.37	13.39	13.60	15.35	10.95	11.18	12.20	12.41	14.16
	8H	12.43	12.63	13.68	13.86	15.64	11.22	11.43	12.48	12.65	14.43