

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: P1439332

Luminaire Tested: CB3-125U-055D-840-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439332  
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-055D-840-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 4000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

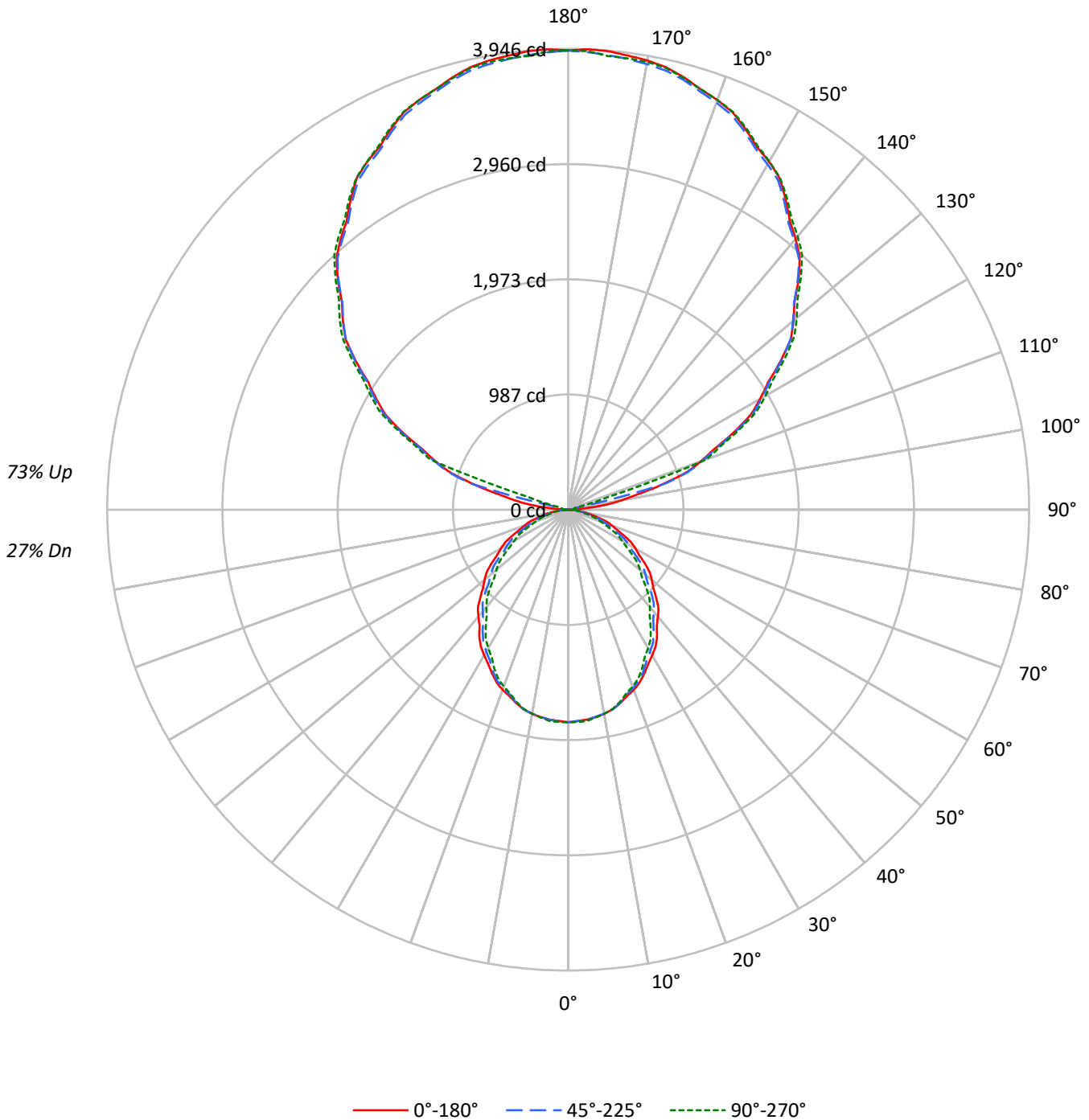
Lumens per Lamp: N/A  
Luminaire Lumens: 15961.7 lumens  
Efficiency: N/A  
Efficacy: 127.4 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Indirect

Input Watts (W): 125.3  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	102	102	102	102	91	91	91	91	71	71	71	52	52	52	35	35	35	27
1	93	89	85	82	83	79	76	74	62	60	58	46	45	44	31	31	30	23
2	85	77	72	67	75	69	65	60	54	51	48	40	38	36	28	26	25	20
3	77	68	61	56	69	61	55	50	48	44	41	36	33	31	25	23	22	17
4	71	60	53	47	63	54	48	43	43	38	34	32	29	26	22	20	19	14
5	65	54	46	40	58	48	42	37	38	33	30	29	25	23	20	18	16	13
6	59	48	40	35	53	43	36	32	34	29	26	26	23	20	18	16	14	11
7	55	43	36	30	49	39	32	28	31	26	23	23	20	18	16	14	13	10
8	51	39	32	27	45	35	29	24	28	23	20	21	18	16	15	13	11	9
9	47	36	28	23	42	32	26	22	26	21	18	20	16	14	14	12	10	8
10	44	32	26	21	39	29	23	19	24	19	16	18	15	13	13	11	9	7

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	10298	10298	10298
5°	10249	10257	10315
10°	10204	10190	10190
15°	10048	10048	9987
20°	9885	9784	9698
25°	9635	9514	9345
30°	9400	9155	8935
35°	9152	8812	8500
40°	8822	8402	8039
45°	8523	8037	7541
50°	8215	7601	7055
55°	7881	7179	6593
60°	7519	6743	6070
65°	7096	6247	5521
70°	6608	5667	4918
75°	5991	4973	4380
80°	5222	4170	3874
85°	4031	3525	3525

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 8523 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	171.7	1.1
10°-20°	482.5	3.0
20°-30°	701.0	4.4
30°-40°	797.0	5.0
40°-50°	773.7	4.8
50°-60°	653.3	4.1
60°-70°	464.8	2.9
70°-80°	248.3	1.6
80°-90°	65.7	0.4
90°-100°	90.8	0.6
100°-110°	657.5	4.1
110°-120°	1563.3	9.8
120°-130°	1997.2	12.5
130°-140°	2154.3	13.5
140°-150°	2030.9	12.7
150°-160°	1656.8	10.4
160°-170°	1079.5	6.8
170°-180°	373.2	2.3
0°-30°	1355.3	8.5
0°-40°	2152.3	13.5
0°-60°	3579.3	22.4
0°-90°	4358.2	27.3
90°-120°	2311.6	14.5
90°-150°	8494.1	53.2
90°-180°	11604.0	72.7
0°-180°	15961.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1820	1820	1820	1820	1820	
5°	1805	1828	1806	1804	1816	171
15°	1716	1731	1716	1705	1705	483
25°	1544	1549	1524	1503	1497	711
35°	1325	1312	1276	1238	1231	826
45°	1065	1049	1004	956	942	822
55°	799	778	728	681	668	714
65°	530	511	467	425	412	525
75°	274	259	228	204	200	292
85°	62	57	54	54	54	74
90°	0	0	0	3	0	9
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°	1820.3	1820.3	1820.3	1820.3	1820.3
2.5°	1811.0	1829.2	1813.1	1815.2	1819.3
5°	1804.8	1827.5	1806.1	1803.8	1816.4
7.5°	1790.8	1811.6	1789.3	1784.1	1795.5
10°	1776.3	1799.1	1773.8	1767.4	1773.8
12.5°	1750.5	1774.2	1754.1	1743.6	1748.9
15°	1715.6	1730.7	1715.6	1705.2	1705.2
17.5°	1672.9	1688.8	1660.2	1652.9	1650.2
20°	1641.9	1655.8	1625.1	1614.7	1610.9
22.5°	1600.5	1613.4	1587.8	1570.2	1565.4
25°	1543.6	1548.7	1524.2	1503.4	1497.1
27.5°	1486.5	1487.8	1454.2	1428.9	1420.6
30°	1438.9	1440.2	1401.4	1374.1	1367.8
32.5°	1391.3	1387.5	1350.7	1318.3	1314.0
35°	1325.1	1312.5	1276.0	1238.4	1230.8
37.5°	1245.2	1237.7	1194.6	1156.8	1145.4
40°	1194.6	1181.9	1137.7	1099.9	1088.6
42.5°	1143.9	1129.2	1083.9	1042.0	1029.6
45°	1065.3	1048.9	1004.5	956.4	942.5
47.5°	986.2	968.2	919.5	872.8	857.4
50°	933.4	914.5	863.6	818.0	801.6
52.5°	879.6	859.7	808.8	762.2	748.8
55°	799.0	777.5	727.9	681.0	668.4
57.5°	718.3	697.1	647.7	603.4	588.2
60°	664.5	644.3	596.0	551.7	536.5
62.5°	609.7	590.5	543.2	500.0	485.8
65°	530.1	511.1	466.7	425.1	412.4
67.5°	451.2	435.0	391.2	353.0	342.9
70°	399.5	384.3	342.6	307.5	297.3
72.5°	349.8	333.7	294.0	264.1	257.0
75°	274.1	258.9	227.5	204.2	200.4
77.5°	204.8	192.4	165.2	152.0	150.0
80°	160.3	148.9	128.0	118.9	118.9
82.5°	118.9	109.6	95.9	92.0	92.0
85°	62.1	57.0	54.3	54.3	54.3
87.5°	18.6	18.6	17.6	17.1	16.5
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	12.65	13.33	13.78	14.46	16.02	11.57	12.26	12.70	13.38	14.94
	3H	14.30	14.92	15.44	16.05	17.62	12.97	13.58	14.11	14.72	16.29
	4H	14.93	15.51	16.08	16.64	18.22	13.48	14.06	14.63	15.19	16.78
	6H	15.30	15.84	16.46	16.97	18.56	13.79	14.32	14.95	15.46	17.05
	8H	15.43	15.94	16.59	17.09	18.68	13.91	14.42	15.07	15.56	17.15
	12H	15.50	15.98	16.66	17.12	18.73	13.98	14.46	15.14	15.60	17.21
4H	2H	13.04	13.62	14.19	14.75	16.33	12.18	12.76	13.34	13.89	15.47
	3H	14.91	15.39	16.07	16.55	18.15	13.78	14.26	14.94	15.42	17.02
	4H	15.65	16.10	16.82	17.24	18.86	14.38	14.83	15.54	15.97	17.59
	6H	16.14	16.52	17.31	17.69	19.30	14.78	15.16	15.95	16.33	17.94
	8H	16.33	16.69	17.50	17.85	19.47	14.95	15.30	16.12	16.46	18.09
	12H	16.42	16.74	17.60	17.91	19.54	15.05	15.37	16.23	16.54	18.17
8H	4H	15.77	16.12	16.94	17.28	18.90	14.63	14.98	15.80	16.14	17.77
	6H	16.38	16.67	17.57	17.87	19.49	15.15	15.44	16.34	16.64	18.26
	8H	16.65	16.91	17.85	18.09	19.73	15.40	15.65	16.59	16.83	18.47
	12H	16.81	17.03	18.01	18.21	19.88	15.57	15.79	16.76	16.97	18.64
12H	4H	15.73	16.05	16.92	17.22	18.85	14.62	14.94	15.81	16.11	17.74
	6H	16.39	16.65	17.59	17.83	19.47	15.20	15.46	16.40	16.64	18.28
	8H	16.69	16.91	17.88	18.09	19.76	15.48	15.70	16.68	16.88	18.55