

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: P1439609

Luminaire Tested: CB3-D-125U-085D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439609  
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-125U-085D-927-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

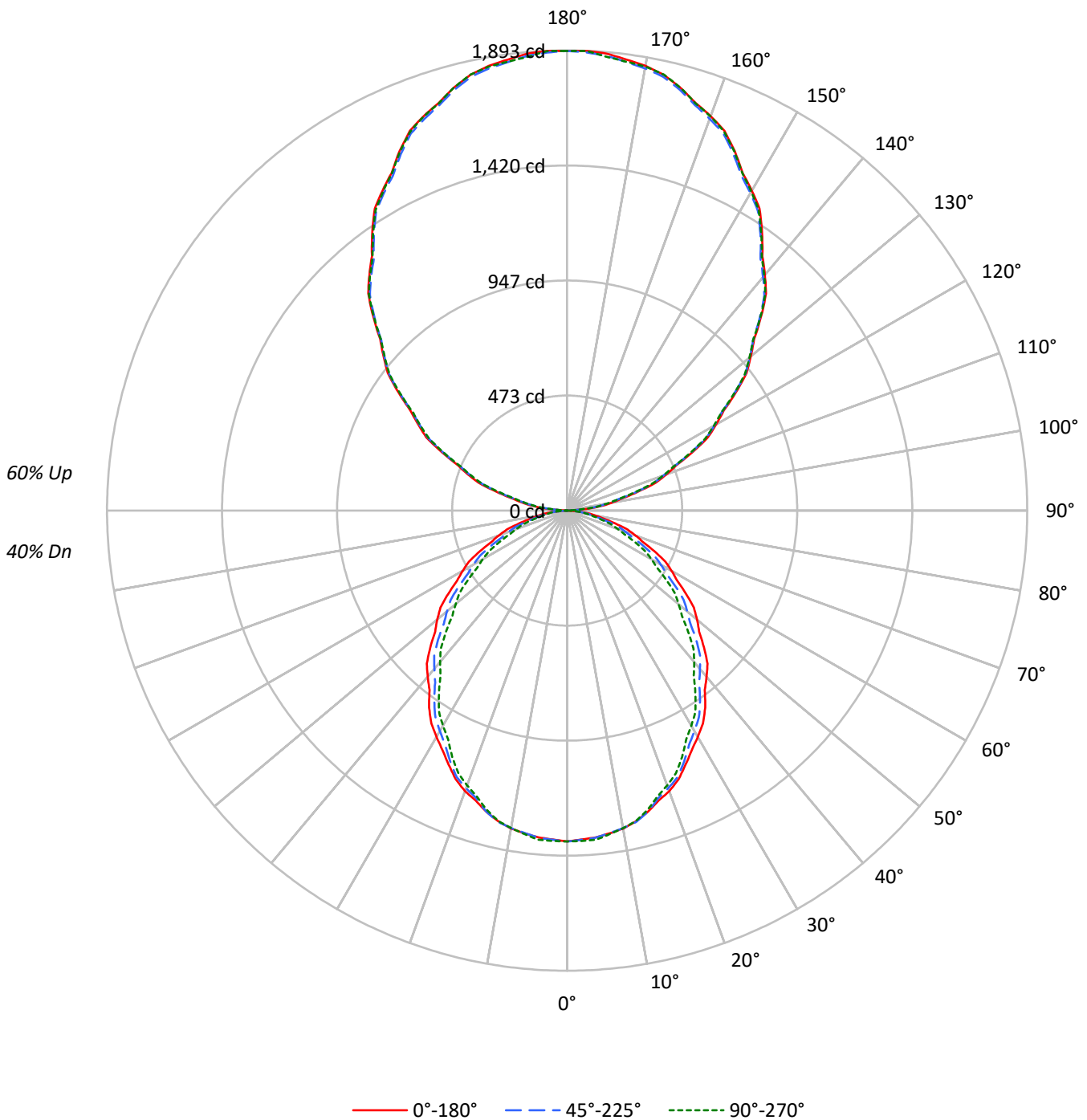
Lumens per Lamp: N/A  
Luminaire Lumens: 8129.2 lumens  
Efficiency: N/A  
Efficacy: 129.2 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 62.9  
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	
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	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47	40
1	96	92	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	34
2	87	80	74	69	79	73	68	64	60	56	53	48	46	43	37	35	34	29
3	80	70	63	58	72	64	58	53	53	49	45	43	39	37	33	31	29	24
4	73	62	55	49	66	57	50	45	47	42	38	38	34	32	29	27	25	21
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	27	24	22	18
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	21	19	16
7	57	45	37	32	52	41	34	30	34	29	25	28	24	21	22	19	17	14
8	53	41	33	28	48	38	31	26	31	26	23	26	22	19	20	18	15	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	27	22	18	22	18	15	17	15	13	11

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

	0°	45°	90°
0°	15400	15400	15400
5°	15327	15338	15442
10°	15260	15238	15238
15°	15028	15028	14936
20°	14784	14633	14487
25°	14394	14213	13960
30°	14042	13676	13347
35°	13672	13165	12698
40°	13179	12552	12010
45°	12732	12006	11265
50°	12272	11354	10539
55°	11773	10725	9847
60°	11231	10074	9067
65°	10599	9333	8246
70°	9872	8466	7347
75°	8949	7432	6544
80°	7799	6229	5786
85°	6024	5271	5271

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 12732 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.4	1.6
10°-20°	360.8	4.4
20°-30°	523.8	6.4
30°-40°	595.3	7.3
40°-50°	577.9	7.1
50°-60°	487.9	6.0
60°-70°	347.1	4.3
70°-80°	185.5	2.3
80°-90°	49.0	0.6
90°-100°	79.9	1.0
100°-110°	312.6	3.8
110°-120°	557.2	6.9
120°-130°	754.0	9.3
130°-140°	866.9	10.7
140°-150°	869.8	10.7
150°-160°	748.0	9.2
160°-170°	506.4	6.2
170°-180°	178.6	2.2
0°-30°	1013.0	12.5
0°-40°	1608.3	19.8
0°-60°	2674.2	32.9
0°-90°	3255.8	40.1
90°-120°	949.7	11.7
90°-150°	3440.4	42.3
90°-180°	4873.0	59.9
0°-180°	8129.2	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1361	1361	1361	1361	1361	
5°	1350	1366	1350	1349	1360	128
15°	1283	1294	1283	1275	1275	361
25°	1153	1157	1138	1123	1118	531
35°	990	980	953	925	919	617
45°	796	783	750	714	704	614
55°	597	581	544	509	499	534
65°	396	382	349	318	308	392
75°	205	193	170	152	150	218
85°	46	43	41	41	41	55
90°	0	0	0	0	0	5
95°	77	70	62	58	59	88
105°	303	302	291	287	284	323
115°	568	571	558	557	555	563
125°	847	857	840	837	838	757
135°	1128	1139	1121	1112	1124	870
145°	1398	1409	1386	1379	1392	873
155°	1631	1645	1618	1611	1628	750
165°	1801	1816	1792	1782	1801	507
175°	1886	1903	1878	1866	1873	179
180°	1891	1891	1891	1891	1891	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1361.1	1361.1	1361.1	1361.1	1361.1
2.5°	1354.1	1367.7	1355.7	1357.3	1360.3
5°	1349.5	1366.5	1350.4	1348.8	1359.6
7.5°	1339.1	1354.5	1337.9	1334.0	1342.5
10°	1328.2	1345.2	1326.3	1321.6	1326.3
12.5°	1308.9	1326.7	1311.6	1303.8	1307.8
15°	1282.9	1294.2	1282.9	1275.1	1275.1
17.5°	1251.0	1262.9	1241.5	1236.1	1233.7
20°	1227.8	1238.2	1215.3	1207.4	1203.2
22.5°	1196.9	1206.5	1187.4	1173.1	1169.2
25°	1153.0	1156.8	1138.5	1122.9	1118.2
27.5°	1110.3	1111.2	1086.2	1067.3	1061.0
30°	1074.8	1075.7	1046.8	1026.4	1021.6
32.5°	1039.2	1036.4	1008.9	984.7	981.5
35°	989.8	980.3	953.1	925.0	919.3
37.5°	930.1	924.4	892.3	864.1	855.6
40°	892.3	882.8	849.8	821.6	813.1
42.5°	854.4	843.4	809.6	778.3	769.0
45°	795.7	783.4	750.3	714.3	704.0
47.5°	736.6	723.2	686.8	651.9	640.4
50°	697.2	683.0	645.0	611.0	598.7
52.5°	657.0	642.1	604.1	569.3	559.3
55°	596.8	580.7	543.7	508.7	499.2
57.5°	536.5	520.6	483.8	450.7	439.4
60°	496.3	481.2	445.2	412.1	400.7
62.5°	455.4	441.0	405.8	373.5	362.9
65°	395.9	381.7	348.6	317.5	308.0
67.5°	337.0	324.9	292.2	263.6	256.1
70°	298.4	287.1	255.9	229.7	222.1
72.5°	261.3	249.2	219.6	197.3	192.0
75°	204.7	193.4	170.0	152.5	149.7
77.5°	153.0	143.7	123.4	113.5	112.0
80°	119.7	111.2	95.6	88.8	88.8
82.5°	88.8	81.9	71.7	68.8	68.8
85°	46.4	42.6	40.6	40.6	40.6
87.5°	13.9	13.9	13.1	12.4	12.4
90°	0.0	0.0	0.0	0.0	0.0
92.5°	20.9	18.6	11.6	9.3	9.3
95°	76.8	69.8	62.3	58.0	59.4
97.5°	141.8	135.0	125.8	121.5	122.7
100°	187.0	181.4	171.1	166.7	166.7
102.5°	231.1	227.7	217.5	213.2	214.3
105°	303.0	301.6	291.4	287.0	284.2
107.5°	382.5	379.9	368.6	368.2	365.7
110°	433.5	432.1	421.9	420.4	419.0

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	485.7	487.7	476.4	474.9	473.5
115°	568.4	571.2	558.2	556.7	555.3
117.5°	653.0	657.0	643.2	641.7	639.1
120°	707.5	716.0	698.8	697.4	695.9
122.5°	763.2	770.6	754.5	751.9	751.6
125°	846.7	856.7	839.5	836.6	838.0
127.5°	930.2	940.5	924.4	918.7	921.8
130°	985.9	997.3	980.1	974.4	978.7
132.5°	1042.8	1054.1	1037.0	1031.3	1037.8
135°	1128.0	1139.3	1120.8	1112.3	1123.7
137.5°	1211.2	1221.2	1200.8	1195.0	1206.9
140°	1265.7	1275.7	1254.1	1247.2	1261.4
142.5°	1319.1	1330.2	1306.3	1299.4	1314.8
145°	1397.7	1409.0	1386.1	1379.1	1391.9
147.5°	1473.1	1484.7	1461.5	1453.4	1466.4
150°	1519.5	1532.2	1507.9	1500.9	1515.1
152.5°	1564.7	1578.6	1553.1	1545.1	1562.7
155°	1631.1	1645.3	1618.1	1611.2	1628.2
157.5°	1690.8	1703.9	1679.3	1672.3	1687.1
160°	1726.8	1741.0	1715.2	1708.3	1725.4
162.5°	1758.1	1772.3	1748.8	1739.7	1756.7
165°	1800.8	1816.3	1792.1	1782.3	1800.8
167.5°	1836.4	1853.1	1827.4	1818.6	1837.0
170°	1857.3	1872.9	1847.1	1836.0	1854.4
172.5°	1871.2	1886.8	1861.1	1849.8	1862.5
175°	1886.3	1903.3	1877.6	1866.2	1873.2
177.5°	1893.0	1906.6	1886.0	1875.9	1891.8
180°	1890.6	1890.6	1890.6	1890.6	1890.6

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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	15.65	16.42	16.69	17.46	18.87	14.57	15.34	15.61	16.38	17.79
	3H	17.31	18.00	18.36	19.05	20.48	15.98	16.66	17.03	17.72	19.15
	4H	17.93	18.59	18.99	19.64	21.08	16.49	17.14	17.55	18.20	19.63
	6H	18.31	18.91	19.38	19.97	21.42	16.80	17.40	17.87	18.46	19.91
	8H	18.45	19.02	19.52	20.10	21.54	16.92	17.49	18.00	18.57	20.01
	12H	18.51	19.06	19.59	20.12	21.59	16.99	17.54	18.08	18.61	20.07
4H	2H	16.04	16.70	17.11	17.75	19.19	15.19	15.84	16.25	16.89	18.33
	3H	17.92	18.47	19.00	19.55	21.00	16.80	17.34	17.87	18.42	19.87
	4H	18.67	19.17	19.75	20.24	21.71	17.40	17.90	18.48	18.97	20.44
	6H	19.17	19.60	20.26	20.69	22.15	17.81	18.23	18.90	19.33	20.79
	8H	19.36	19.76	20.45	20.85	22.32	17.97	18.37	19.06	19.46	20.94
	12H	19.45	19.81	20.56	20.91	22.40	18.08	18.44	19.18	19.54	21.02
8H	4H	18.79	19.19	19.88	20.28	21.76	17.65	18.05	18.74	19.14	20.62
	6H	19.41	19.74	20.52	20.87	22.34	18.18	18.51	19.29	19.64	21.11
	8H	19.68	19.97	20.80	21.08	22.58	18.43	18.72	19.55	19.83	21.33
	12H	19.84	20.10	20.97	21.21	22.74	18.60	18.86	19.72	19.97	21.50
12H	4H	18.76	19.12	19.87	20.23	21.71	17.65	18.01	18.76	19.12	20.60
	6H	19.42	19.71	20.54	20.83	22.32	18.23	18.52	19.35	19.64	21.13
	8H	19.72	19.97	20.84	21.08	22.61	18.51	18.77	19.64	19.88	21.41