

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: P1439089

Luminaire Tested: CB2-D-125U-085D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439089  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-13, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-D-125U-085D-927-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 1250 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

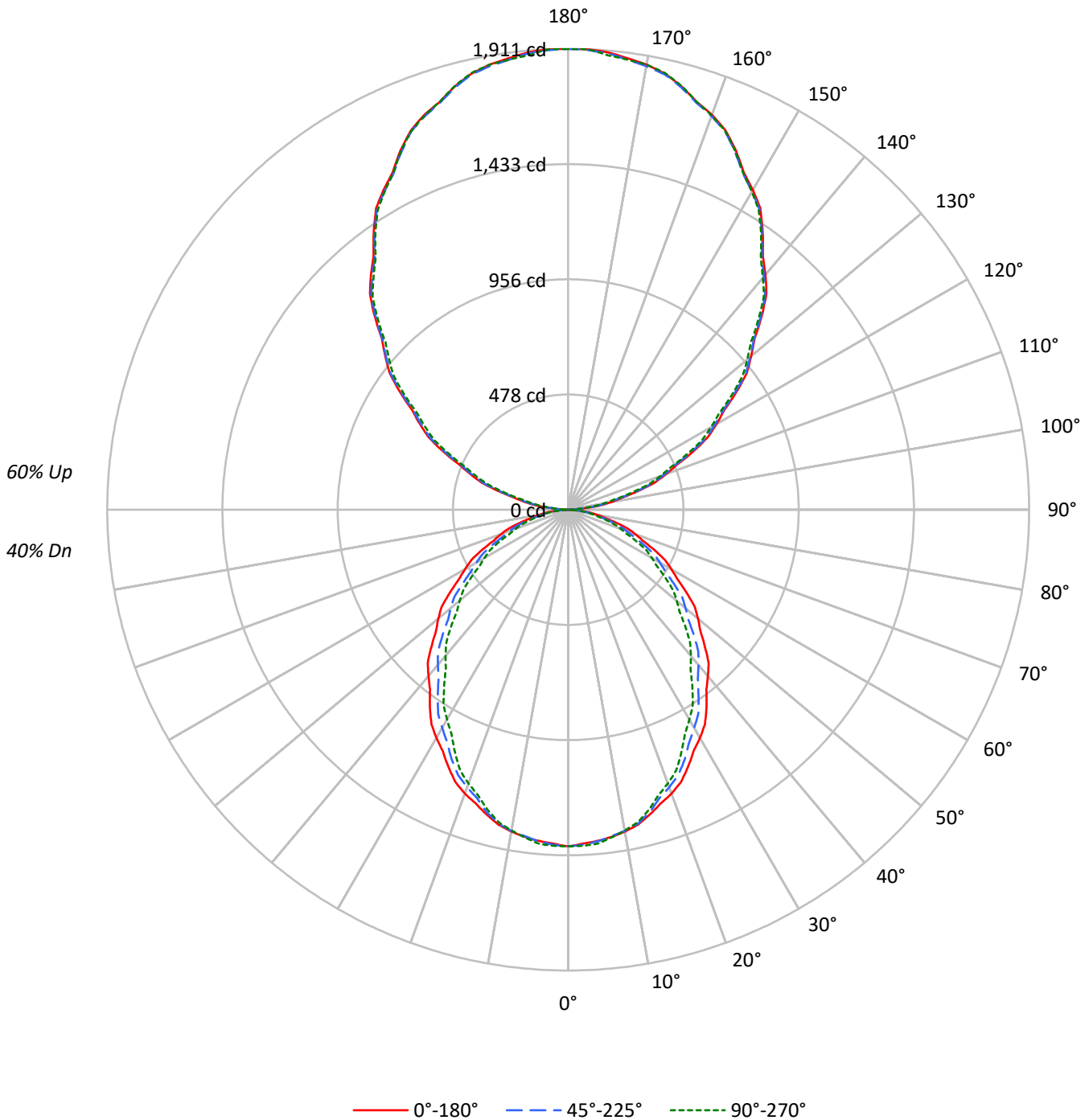
Lumens per Lamp: N/A  
Luminaire Lumens: 8129.5 lumens  
Efficiency: N/A  
Efficacy: 119.9 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 67.8  
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										
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	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47	40																				
1	96	91	88	84	87	83	80	77	68	66	64	54	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	25																				
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	35	30	35	29	25	28	24	21	22	19	17	15																				
8	53	41	33	28	48	38	31	26	31	26	23	26	22	19	20	18	16	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	32	25	21	27	22	18	22	18	15	17	15	13	11																				

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

	0°	45°	90°
0°	24315	24315	24315
5°	24109	24147	24315
10°	23972	23915	23896
15°	23593	23438	23245
20°	23221	22706	22389
25°	22596	21960	21343
30°	21970	21003	20208
35°	21250	20023	19068
40°	20488	19103	17985
45°	19720	18141	16929
50°	19030	17204	15900
55°	18177	16231	14931
60°	17201	15303	13962
65°	16168	14272	12994
70°	15023	13118	11759
75°	13668	11871	10646
80°	12227	10401	9649
85°	9393	8553	7054

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 19720 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	131.3	1.6
10°-20°	365.9	4.5
20°-30°	526.2	6.5
30°-40°	591.4	7.3
40°-50°	571.3	7.0
50°-60°	482.7	5.9
60°-70°	346.7	4.3
70°-80°	189.5	2.3
80°-90°	50.4	0.6
90°-100°	73.8	0.9
100°-110°	304.5	3.7
110°-120°	552.8	6.8
120°-130°	752.2	9.3
130°-140°	868.3	10.7
140°-150°	875.0	10.8
150°-160°	755.1	9.3
160°-170°	511.8	6.3
170°-180°	180.5	2.2
0°-30°	1023.4	12.6
0°-40°	1614.8	19.9
0°-60°	2668.8	32.8
0°-90°	3255.5	40.0
90°-120°	931.1	11.5
90°-150°	3426.6	42.1
90°-180°	4874.0	60.0
0°-180°	8129.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1396	1396	1396	1396	1396	
5°	1379	1398	1381	1381	1391	131
15°	1308	1320	1300	1287	1289	369
25°	1176	1177	1143	1117	1111	541
35°	999	988	942	905	897	624
45°	801	784	736	698	687	619
55°	599	577	534	501	492	535
65°	392	378	346	322	315	389
75°	203	191	176	162	158	217
85°	47	44	43	37	35	56
90°	0	0	2	0	2	4
95°	72	63	60	46	46	83
105°	301	297	289	273	270	319
115°	572	571	560	544	543	565
125°	851	860	842	824	826	760
135°	1134	1148	1128	1108	1115	874
145°	1406	1422	1400	1384	1394	878
155°	1644	1660	1637	1627	1640	756
165°	1817	1836	1813	1803	1819	512
175°	1904	1924	1899	1887	1892	181
180°	1911	1911	1911	1911	1911	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1396.0	1396.0	1396.0	1396.0	1396.0
2.5°	1386.6	1403.3	1390.9	1392.7	1395.2
5°	1378.9	1397.7	1381.1	1381.3	1390.7
7.5°	1369.1	1386.8	1365.9	1362.0	1370.8
10°	1355.4	1373.2	1352.2	1344.9	1351.1
12.5°	1337.4	1354.4	1334.2	1322.6	1328.0
15°	1308.4	1319.9	1299.8	1287.0	1289.1
17.5°	1276.7	1283.8	1254.9	1244.2	1242.1
20°	1252.8	1259.1	1225.0	1210.0	1207.9
22.5°	1222.0	1227.4	1191.6	1173.2	1170.3
25°	1175.8	1176.9	1142.7	1116.9	1110.6
27.5°	1127.5	1124.2	1086.2	1055.7	1047.5
30°	1092.4	1088.3	1044.3	1012.1	1004.8
32.5°	1054.8	1047.3	1003.3	968.5	961.2
35°	999.4	987.9	941.7	905.2	896.8
37.5°	940.4	927.5	882.1	842.3	832.9
40°	901.1	886.5	840.2	800.4	791.0
42.5°	861.8	845.5	798.3	758.5	748.2
45°	800.6	783.9	736.5	697.8	687.3
47.5°	742.5	721.2	675.1	636.6	626.2
50°	702.3	679.3	634.9	597.3	586.8
52.5°	661.2	637.4	594.8	558.8	548.4
55°	598.6	576.7	534.5	501.1	491.7
57.5°	536.6	515.5	477.0	445.1	435.9
60°	493.8	476.1	439.3	409.2	400.8
62.5°	452.8	436.7	401.7	374.1	365.8
65°	392.3	377.7	346.3	321.6	315.3
67.5°	333.5	318.9	293.5	271.3	264.2
70°	295.0	280.4	257.6	237.2	230.9
72.5°	258.3	242.8	224.3	205.6	201.0
75°	203.1	190.6	176.4	162.4	158.2
77.5°	154.4	142.2	131.9	122.0	121.0
80°	121.9	111.4	103.7	97.2	96.2
82.5°	91.1	83.1	78.0	73.3	73.1
85°	47.0	43.9	42.8	37.4	35.3
87.5°	13.7	13.7	12.3	10.3	10.6
90°	0.0	0.0	1.5	0.0	1.5
92.5°	17.9	15.6	14.6	9.6	11.0
95°	71.6	62.8	59.6	46.2	46.2
97.5°	135.1	126.3	121.6	107.9	104.9
100°	180.4	171.6	167.0	152.0	149.1
102.5°	226.9	222.8	214.7	198.5	195.6
105°	301.1	296.8	289.2	272.7	269.8
107.5°	377.5	378.3	367.0	353.5	349.4
110°	432.3	430.9	421.9	408.4	405.5



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	488.4	485.7	476.7	463.3	460.3
115°	572.4	571.0	560.5	544.1	542.6
117.5°	652.3	657.0	644.6	627.3	626.7
120°	709.6	715.4	700.6	685.7	682.8
122.5°	765.6	772.6	757.9	740.6	741.2
125°	851.2	860.0	842.3	824.4	825.9
127.5°	933.8	944.6	928.1	910.0	911.7
130°	989.9	1003.0	985.4	966.1	969.0
132.5°	1047.1	1060.2	1042.6	1022.2	1027.4
135°	1134.5	1147.6	1128.5	1107.8	1115.1
137.5°	1216.7	1229.9	1209.0	1191.6	1200.3
140°	1271.6	1284.7	1262.7	1246.5	1255.2
142.5°	1325.3	1340.7	1317.5	1300.2	1311.3
145°	1405.8	1421.8	1399.8	1383.6	1393.8
147.5°	1482.1	1498.1	1475.8	1460.3	1470.8
150°	1531.0	1547.0	1523.5	1510.4	1522.0
152.5°	1576.3	1594.7	1570.0	1557.0	1572.1
155°	1644.3	1660.3	1636.8	1626.7	1639.8
157.5°	1703.3	1722.0	1698.5	1689.8	1700.3
160°	1742.7	1760.2	1736.7	1728.0	1739.7
162.5°	1772.5	1791.1	1768.9	1759.1	1773.1
165°	1817.2	1836.2	1812.7	1802.7	1818.7
167.5°	1852.4	1872.5	1848.8	1838.5	1854.8
170°	1873.9	1892.8	1867.9	1856.4	1873.9
172.5°	1888.2	1908.3	1882.2	1870.5	1882.2
175°	1903.7	1924.1	1899.2	1887.4	1891.7
177.5°	1911.1	1927.5	1907.6	1897.1	1911.1
180°	1911.1	1911.1	1911.1	1911.1	1911.1



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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	17.09	17.86	18.13	18.90	20.31	15.99	16.76	17.03	17.80	19.21
	3H	18.73	19.42	19.78	20.47	21.90	17.51	18.20	18.56	19.25	20.68
	4H	19.35	20.00	20.41	21.06	22.49	18.08	18.73	19.14	19.79	21.22
	6H	19.75	20.35	20.82	21.41	22.86	18.45	19.05	19.52	20.11	21.55
	8H	19.90	20.47	20.97	21.54	22.98	18.58	19.16	19.66	20.23	21.67
	12H	19.97	20.51	21.05	21.58	23.04	18.64	19.19	19.72	20.26	21.72
4H	2H	17.49	18.14	18.56	19.20	20.63	16.61	17.27	17.68	18.32	19.75
	3H	19.35	19.89	20.42	20.98	22.42	18.34	18.88	19.42	19.97	21.41
	4H	20.09	20.59	21.17	21.66	23.13	19.01	19.51	20.09	20.58	22.05
	6H	20.61	21.03	21.70	22.13	23.59	19.48	19.91	20.57	21.00	22.47
	8H	20.81	21.21	21.90	22.30	23.77	19.67	20.07	20.76	21.16	22.63
	12H	20.91	21.27	22.02	22.37	23.86	19.75	20.11	20.86	21.21	22.70
8H	4H	20.24	20.64	21.33	21.73	23.21	19.28	19.68	20.37	20.76	22.24
	6H	20.88	21.21	21.99	22.34	23.81	19.88	20.21	20.99	21.34	22.81
	8H	21.17	21.46	22.29	22.57	24.06	20.15	20.44	21.27	21.55	23.05
	12H	21.34	21.59	22.46	22.70	24.23	20.30	20.55	21.42	21.66	23.19
12H	4H	20.22	20.58	21.32	21.68	23.16	19.27	19.64	20.38	20.74	22.22
	6H	20.91	21.20	22.02	22.31	23.80	19.94	20.23	21.06	21.34	22.84
	8H	21.22	21.47	22.34	22.58	24.11	20.24	20.49	21.36	21.60	23.14