

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: P1438995

Luminaire Tested: CB2-D-030U-085D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438995  
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-030U-085D-930-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

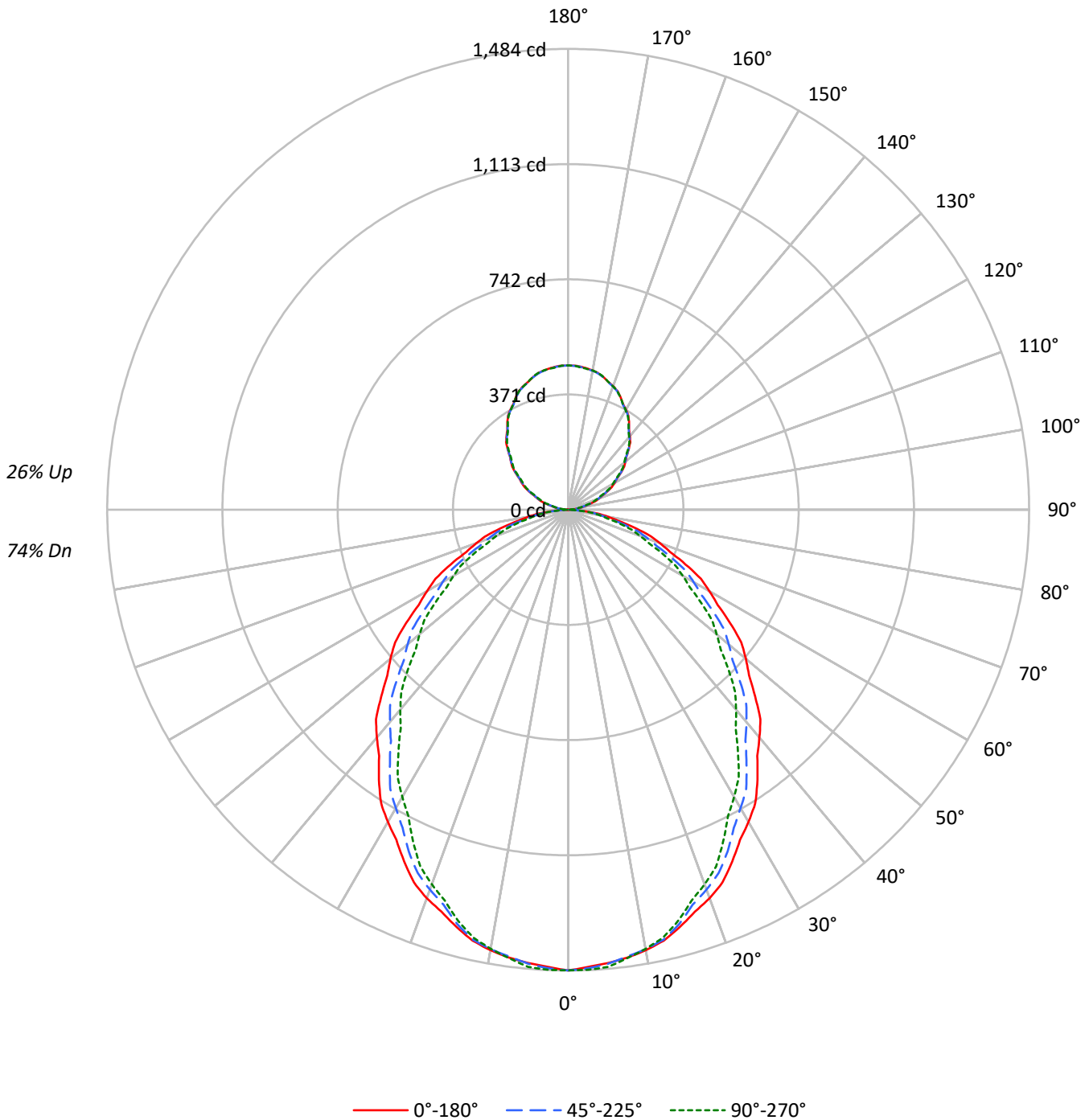
Lumens per Lamp: N/A  
Luminaire Lumens: 4644.0 lumens  
Efficiency: N/A  
Efficacy: 125.2 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 37.1  
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										
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	113	113	113	113	107	107	107	107	97	97	97	87	87	87	79	79	79	74																				
1	104	99	95	92	98	94	91	88	86	83	80	77	75	73	70	68	67	63																				
2	95	87	81	75	90	83	77	73	75	71	67	68	65	62	62	59	57	53																				
3	86	77	69	63	82	73	66	61	67	61	57	61	56	53	55	52	49	46																				
4	79	68	60	54	75	65	58	52	60	54	49	54	49	45	49	46	42	39																				
5	73	61	53	47	69	58	51	45	54	47	42	49	44	40	45	40	37	34																				
6	68	55	47	41	64	53	45	40	49	42	37	44	39	35	41	36	33	30																				
7	63	50	42	36	59	48	40	35	44	38	33	41	35	31	37	33	29	27																				
8	58	46	38	32	55	44	36	31	40	34	30	37	32	28	34	30	26	24																				
9	54	42	34	29	52	40	33	28	37	31	27	34	29	25	32	27	24	22																				
10	51	39	31	26	49	37	30	26	35	28	24	32	27	23	30	25	22	20																				

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

	0°	45°	90°
0°	25842	25842	25842
5°	25623	25663	25841
10°	25477	25417	25395
15°	25073	24909	24705
20°	24678	24131	23794
25°	24015	23338	22683
30°	23350	22322	21477
35°	22585	21280	20265
40°	21775	20302	19115
45°	20959	19279	17994
50°	20225	18285	16900
55°	19319	17248	15869
60°	18281	16264	14840
65°	17182	15170	13810
70°	15965	13943	12497
75°	14522	12611	11312
80°	12989	11053	10251
85°	9992	9073	7494

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 20959 cd/sqm



TEST NUMBER: P1438995

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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	139.5	3.0
10°-20°	388.9	8.4
20°-30°	559.2	12.0
30°-40°	628.5	13.5
40°-50°	607.2	13.1
50°-60°	513.0	11.0
60°-70°	368.5	7.9
70°-80°	201.4	4.3
80°-90°	53.5	1.2
90°-100°	17.9	0.4
100°-110°	74.0	1.6
110°-120°	134.3	2.9
120°-130°	182.8	3.9
130°-140°	211.0	4.5
140°-150°	212.6	4.6
150°-160°	183.5	4.0
160°-170°	124.4	2.7
170°-180°	43.9	0.9
0°-30°	1087.6	23.4
0°-40°	1716.2	37.0
0°-60°	2836.4	61.1
0°-90°	3459.7	74.5
90°-120°	226.2	4.9
90°-150°	832.6	17.9
90°-180°	1184.0	25.5
0°-180°	4644.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1484	1484	1484	1484	1484	
5°	1466	1486	1468	1468	1478	139
15°	1390	1403	1381	1368	1370	392
25°	1250	1251	1214	1187	1180	575
35°	1062	1050	1001	962	953	664
45°	851	833	783	742	730	657
55°	636	613	568	533	523	569
65°	417	401	368	342	335	413
75°	216	202	187	173	168	231
85°	50	47	45	40	38	59
90°	0	0	0	0	0	3
95°	17	15	14	11	11	20
105°	73	72	70	66	66	78
115°	139	139	136	132	132	137
125°	207	209	205	200	201	185
135°	276	279	274	269	271	212
145°	342	346	340	336	339	213
155°	400	403	398	395	398	184
165°	442	446	440	438	442	124
175°	463	468	462	459	460	44
180°	464	464	464	464	464	

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CATALOG NUMBER: CB2-D-030U-085D-930-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1483.7	1483.7	1483.7	1483.7	1483.7
2.5°	1473.7	1491.4	1478.2	1480.1	1482.8
5°	1465.5	1485.5	1467.8	1468.0	1478.0
7.5°	1455.0	1473.9	1451.6	1447.5	1456.8
10°	1440.5	1459.4	1437.1	1429.3	1435.9
12.5°	1421.4	1439.4	1418.0	1405.6	1411.4
15°	1390.5	1402.7	1381.4	1367.8	1370.1
17.5°	1356.9	1364.4	1333.7	1322.3	1320.1
20°	1331.4	1338.1	1301.9	1285.9	1283.7
22.5°	1298.7	1304.5	1266.4	1246.8	1243.7
25°	1249.6	1250.7	1214.4	1187.0	1180.3
27.5°	1198.3	1194.7	1154.4	1122.0	1113.3
30°	1161.0	1156.6	1109.9	1075.6	1067.9
32.5°	1121.0	1113.0	1066.3	1029.3	1021.5
35°	1062.2	1050.0	1000.8	962.0	953.1
37.5°	999.5	985.7	937.5	895.2	885.2
40°	957.7	942.1	892.9	850.7	840.7
42.5°	915.9	898.5	848.4	806.1	795.2
45°	850.9	833.1	782.7	741.6	730.5
47.5°	789.1	766.4	717.5	676.6	665.5
50°	746.4	721.9	674.8	634.8	623.7
52.5°	702.8	677.4	632.1	593.9	582.8
55°	636.2	612.9	568.0	532.6	522.6
57.5°	570.3	547.9	506.9	473.0	463.3
60°	524.8	506.0	466.9	434.9	426.0
62.5°	481.2	464.1	426.9	397.6	388.8
65°	416.9	401.4	368.1	341.8	335.1
67.5°	354.4	338.9	312.0	288.4	280.8
70°	313.5	298.0	273.8	252.0	245.4
72.5°	274.5	258.0	238.3	218.5	213.6
75°	215.8	202.5	187.4	172.6	168.1
77.5°	164.0	151.2	140.2	129.7	128.6
80°	129.5	118.4	110.2	103.4	102.2
82.5°	96.8	88.3	82.9	77.9	77.7
85°	50.0	46.7	45.4	39.7	37.5
87.5°	14.5	14.5	12.8	10.9	11.0
90°	0.0	0.0	0.4	0.0	0.4
92.5°	4.3	3.8	3.5	2.3	2.7
95°	17.4	15.3	14.5	11.2	11.2
97.5°	32.8	30.7	29.6	26.2	25.5
100°	43.8	41.7	40.6	36.9	36.2
102.5°	55.1	54.1	52.2	48.2	47.5
105°	73.2	72.1	70.3	66.3	65.6
107.5°	91.7	91.9	89.2	85.9	84.9
110°	105.0	104.7	102.5	99.2	98.5



TEST NUMBER: P1438995

CATALOG NUMBER: CB2-D-030U-085D-930-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	118.7	118.0	115.8	112.6	111.9
115°	139.1	138.7	136.2	132.2	131.9
117.5°	158.5	159.6	156.6	152.4	152.3
120°	172.4	173.8	170.2	166.6	165.9
122.5°	186.0	187.7	184.2	180.0	180.1
125°	206.8	209.0	204.7	200.3	200.7
127.5°	226.9	229.5	225.5	221.1	221.5
130°	240.5	243.7	239.4	234.7	235.4
132.5°	254.4	257.6	253.3	248.4	249.6
135°	275.7	278.8	274.2	269.2	270.9
137.5°	295.7	298.8	293.8	289.5	291.7
140°	309.0	312.2	306.8	302.9	305.0
142.5°	322.0	325.8	320.1	315.9	318.6
145°	341.6	345.5	340.1	336.2	338.7
147.5°	360.1	364.0	358.6	354.8	357.4
150°	372.0	375.9	370.2	367.0	369.8
152.5°	383.0	387.5	381.5	378.3	382.0
155°	399.5	403.4	397.7	395.3	398.5
157.5°	413.9	418.4	412.7	410.6	413.2
160°	423.4	427.7	422.0	419.9	422.7
162.5°	430.7	435.2	429.8	427.4	430.8
165°	441.6	446.2	440.5	438.0	441.9
167.5°	450.1	455.0	449.2	446.7	450.7
170°	455.3	459.9	453.9	451.1	455.3
172.5°	458.8	463.7	457.4	454.5	457.4
175°	462.6	467.5	461.5	458.6	459.7
177.5°	464.4	468.3	463.5	461.0	464.4
180°	464.4	464.4	464.4	464.4	464.4



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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	20.32	21.43	21.03	22.17	23.04	19.22	20.33	19.93	21.07	21.94
	3H	21.98	22.98	22.71	23.73	24.63	20.76	21.76	21.49	22.51	23.41
	4H	22.62	23.56	23.37	24.32	25.24	21.35	22.29	22.10	23.05	23.96
	6H	23.04	23.91	23.80	24.67	25.60	21.73	22.60	22.49	23.37	24.30
	8H	23.19	24.02	23.96	24.80	25.74	21.88	22.71	22.65	23.49	24.43
	12H	23.27	24.07	24.05	24.84	25.80	21.95	22.74	22.73	23.52	24.48
4H	2H	20.76	21.70	21.51	22.46	23.37	19.88	20.83	20.63	21.58	22.50
	3H	22.65	23.44	23.41	24.23	25.16	21.64	22.43	22.40	23.22	24.15
	4H	23.40	24.12	24.18	24.91	25.87	22.32	23.04	23.10	23.83	24.79
	6H	23.94	24.56	24.74	25.37	26.34	22.81	23.43	23.61	24.25	25.22
	8H	24.15	24.73	24.95	25.54	26.52	23.01	23.59	23.81	24.40	25.38
	12H	24.27	24.79	25.09	25.62	26.61	23.11	23.63	23.93	24.46	25.45
8H	4H	23.58	24.16	24.38	24.97	25.95	22.62	23.19	23.42	24.01	24.99
	6H	24.23	24.71	25.06	25.56	26.55	23.23	23.71	24.06	24.56	25.55
	8H	24.52	24.95	25.37	25.80	26.80	23.51	23.93	24.35	24.78	25.78
	12H	24.71	25.09	25.55	25.93	26.98	23.67	24.04	24.51	24.89	25.94
12H	4H	23.57	24.09	24.39	24.93	25.91	22.63	23.15	23.45	23.98	24.97
	6H	24.26	24.69	25.10	25.54	26.54	23.29	23.72	24.14	24.57	25.57
	8H	24.59	24.97	25.43	25.81	26.86	23.61	23.99	24.46	24.83	25.89