

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: P1439143

Luminaire Tested: CB3-030U-085D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439143  
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: CB3-030U-085D-935-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

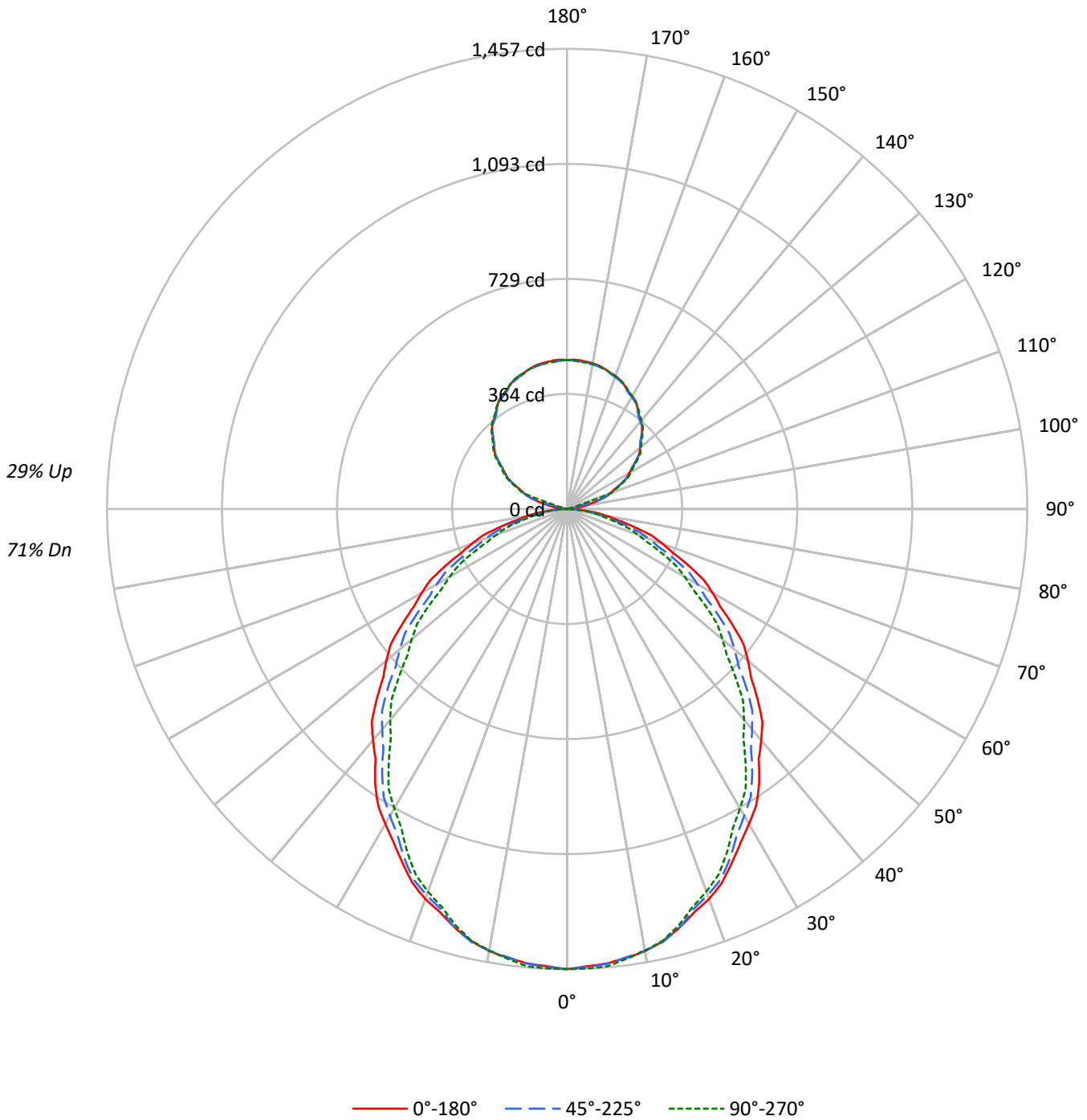
Lumens per Lamp: N/A  
Luminaire Lumens: 4879.0 lumens  
Efficiency: N/A  
Efficacy: 144.4 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 33.8  
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									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	112	112	112	112	106	106	106	106	95	95	95	85	85	85	76	76	76	76	76	76	76	76	76	71													
1	103	98	95	91	97	93	90	87	84	81	79	75	73	72	68	66	65	65	65	65	65	65	65	61													
2	94	86	80	75	89	82	76	72	74	70	66	67	63	60	60	57	55	55	55	55	55	55	55	51													
3	86	76	69	63	81	72	66	60	66	60	56	59	55	51	53	50	47	47	47	47	47	47	47	44													
4	79	68	60	53	74	64	57	52	58	53	48	53	48	44	48	44	41	41	41	41	41	41	41	38													
5	72	61	52	46	68	58	50	45	53	46	42	48	43	39	43	39	36	36	36	36	36	36	36	33													
6	67	55	46	40	63	52	45	39	48	41	36	43	38	34	39	35	32	32	32	32	32	32	32	29													
7	62	49	41	36	59	47	40	34	43	37	32	39	34	30	36	31	28	28	28	28	28	28	28	26													
8	58	45	37	32	55	43	36	31	40	33	29	36	31	27	33	29	25	25	25	25	25	25	25	23													
9	54	41	34	28	51	40	33	28	36	30	26	33	28	25	31	26	23	23	23	23	23	23	23	21													
10	50	38	31	26	48	37	30	25	34	28	24	31	26	22	28	24	21	21	21	21	21	21	21	19													

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

	0°	45°	90°
0°	16484	16484	16484
5°	16405	16418	16512
10°	16334	16310	16310
15°	16084	16084	15987
20°	15823	15660	15523
25°	15423	15230	14959
30°	15046	14654	14302
35°	14650	14107	13605
40°	14122	13448	12868
45°	13643	12865	12070
50°	13151	12167	11292
55°	12613	11491	10552
60°	12034	10794	9717
65°	11357	10000	8838
70°	10576	9071	7873
75°	9591	7961	7012
80°	8360	6672	6203
85°	6452	5647	5647

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13643 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.5	2.8
10°-20°	386.2	7.9
20°-30°	561.1	11.5
30°-40°	637.9	13.1
40°-50°	619.3	12.7
50°-60°	522.8	10.7
60°-70°	372.0	7.6
70°-80°	198.7	4.1
80°-90°	52.5	1.1
90°-100°	10.9	0.2
100°-110°	78.8	1.6
110°-120°	187.4	3.8
120°-130°	239.4	4.9
130°-140°	258.3	5.3
140°-150°	243.5	5.0
150°-160°	198.6	4.1
160°-170°	129.4	2.7
170°-180°	44.7	0.9
0°-30°	1084.7	22.2
0°-40°	1722.6	35.3
0°-60°	2864.7	58.7
0°-90°	3488.0	71.5
90°-120°	277.1	5.7
90°-150°	1018.3	20.9
90°-180°	1391.0	28.5
0°-180°	4879.0	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1457	1457	1457	1457	1457	
5°	1444	1463	1446	1444	1454	137
15°	1373	1385	1373	1365	1365	387
25°	1235	1240	1220	1203	1198	569
35°	1061	1050	1021	991	985	661
45°	853	839	804	765	754	658
55°	639	622	582	545	535	572
65°	424	409	374	340	330	420
75°	219	207	182	163	160	234
85°	50	46	44	44	44	59
90°	0	0	0	0	0	3
95°	20	4	5	5	5	25
105°	100	101	103	8	8	105
115°	187	189	189	192	193	185
125°	266	268	267	270	272	237
135°	334	336	333	336	338	257
145°	389	391	386	389	391	243
155°	431	434	428	430	432	199
165°	459	462	457	455	459	130
175°	472	475	468	466	467	45
180°	471	471	471	471	471	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1456.9	1456.9	1456.9	1456.9	1456.9
2.5°	1449.4	1464.0	1451.1	1452.8	1456.0
5°	1444.4	1462.7	1445.5	1443.6	1453.8
7.5°	1433.3	1449.9	1432.0	1427.9	1437.0
10°	1421.7	1439.9	1419.6	1414.6	1419.6
12.5°	1401.0	1420.0	1403.9	1395.5	1399.7
15°	1373.1	1385.2	1373.1	1364.8	1364.8
17.5°	1338.9	1351.7	1328.8	1322.9	1320.7
20°	1314.1	1325.2	1300.6	1292.3	1289.2
22.5°	1281.0	1291.3	1270.8	1256.7	1252.8
25°	1235.4	1239.5	1219.9	1203.2	1198.2
27.5°	1189.7	1190.7	1163.8	1143.6	1136.9
30°	1151.6	1152.6	1121.6	1099.8	1094.7
32.5°	1113.5	1110.5	1081.1	1055.1	1051.7
35°	1060.6	1050.5	1021.3	991.1	985.0
37.5°	996.6	990.6	956.1	925.9	916.7
40°	956.1	946.0	910.5	880.3	871.2
42.5°	915.5	903.8	867.5	834.0	824.0
45°	852.6	839.4	804.0	765.4	754.3
47.5°	789.3	774.9	735.9	698.6	686.2
50°	747.1	731.9	691.2	654.7	641.5
52.5°	704.0	688.0	647.3	610.0	599.3
55°	639.4	622.2	582.5	545.1	534.9
57.5°	574.9	557.9	518.4	482.9	470.8
60°	531.8	515.7	477.0	441.5	429.4
62.5°	488.0	472.6	434.8	400.2	388.8
65°	424.2	409.1	373.5	340.2	330.1
67.5°	361.1	348.2	313.1	282.5	274.4
70°	319.7	307.6	274.2	246.1	238.0
72.5°	280.0	267.0	235.3	211.4	205.7
75°	219.4	207.2	182.1	163.4	160.4
77.5°	163.9	154.0	132.2	121.6	120.0
80°	128.3	119.2	102.4	95.2	95.2
82.5°	95.2	87.7	76.8	73.7	73.7
85°	49.7	45.6	43.5	43.5	43.5
87.5°	14.9	14.9	14.1	13.3	13.2
90°	0.0	0.0	0.0	0.3	0.0
92.5°	5.4	2.1	1.7	2.1	2.0
95°	19.9	3.6	4.6	5.0	5.0
97.5°	40.1	39.3	5.4	6.5	6.5
100°	55.4	57.1	5.7	6.8	7.1
102.5°	72.5	73.9	10.5	7.0	7.4
105°	99.8	101.2	102.7	7.5	7.8
107.5°	127.0	128.1	129.0	116.1	43.5
110°	144.9	146.0	146.3	149.9	150.6



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	161.7	163.0	163.7	166.7	167.9
115°	187.2	188.6	189.0	191.8	192.9
117.5°	211.4	212.9	213.5	215.9	217.5
120°	227.3	229.1	229.5	232.3	233.7
122.5°	243.0	245.0	244.8	247.4	249.4
125°	266.0	267.8	267.1	270.0	271.7
127.5°	288.0	289.0	287.6	291.1	292.5
130°	301.9	303.0	301.2	304.4	306.2
132.5°	314.7	316.3	314.3	317.2	319.0
135°	334.2	336.0	333.2	335.7	337.8
137.5°	351.6	353.7	350.4	353.3	355.1
140°	363.0	365.1	360.9	364.1	366.2
142.5°	373.5	376.2	371.1	374.1	376.4
145°	388.9	391.4	386.5	389.0	391.1
147.5°	403.6	405.7	401.0	402.8	404.2
150°	412.4	414.5	409.2	411.0	412.7
152.5°	419.5	422.4	417.1	418.4	421.0
155°	430.9	434.3	428.4	429.5	432.3
157.5°	441.3	444.4	438.5	439.4	441.9
160°	447.6	450.7	444.7	445.1	447.6
162.5°	452.4	455.2	450.1	449.4	452.4
165°	459.3	461.7	456.8	455.4	458.6
167.5°	465.0	467.8	461.8	460.6	464.2
170°	468.2	470.9	464.6	462.9	466.7
172.5°	470.1	472.6	466.6	464.3	467.3
175°	472.4	474.8	468.5	466.1	467.4
177.5°	473.1	475.0	469.9	467.7	471.1
180°	471.4	471.4	471.4	471.4	471.4



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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	18.68	19.75	19.43	20.52	21.45	17.60	18.67	18.35	19.44	20.37
	3H	20.36	21.32	21.12	22.10	23.06	19.03	19.99	19.79	20.77	21.73
	4H	21.00	21.91	21.78	22.70	23.67	19.55	20.46	20.34	21.25	22.22
	6H	21.39	22.23	22.19	23.03	24.02	19.88	20.72	20.68	21.52	22.50
	8H	21.54	22.34	22.34	23.15	24.14	20.01	20.81	20.82	21.63	22.61
	12H	21.61	22.38	22.42	23.19	24.20	20.09	20.86	20.90	21.67	22.68
4H	2H	19.11	20.02	19.89	20.81	21.78	18.25	19.16	19.04	19.95	20.92
	3H	21.02	21.78	21.82	22.60	23.59	19.89	20.65	20.69	21.47	22.46
	4H	21.78	22.47	22.59	23.29	24.30	20.50	21.19	21.32	22.02	23.03
	6H	22.29	22.89	23.12	23.73	24.75	20.93	21.52	21.76	22.37	23.39
	8H	22.49	23.04	23.32	23.89	24.92	21.10	21.66	21.94	22.50	23.54
	12H	22.59	23.10	23.45	23.96	25.00	21.22	21.72	22.07	22.58	23.62
8H	4H	21.92	22.48	22.75	23.32	24.35	20.78	21.34	21.61	22.18	23.22
	6H	22.55	23.01	23.41	23.90	24.93	21.32	21.78	22.18	22.67	23.70
	8H	22.83	23.24	23.70	24.12	25.17	21.57	21.98	22.45	22.86	23.91
	12H	23.00	23.36	23.87	24.23	25.34	21.76	22.12	22.63	22.99	24.10
12H	4H	21.90	22.41	22.76	23.27	24.31	20.79	21.30	21.65	22.16	23.20
	6H	22.57	22.98	23.44	23.86	24.91	21.38	21.79	22.25	22.67	23.72
	8H	22.88	23.24	23.75	24.11	25.21	21.67	22.03	22.54	22.90	24.01