

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: P1439225

Luminaire Tested: CB3-085U-030D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439225
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: CB3-085U-030D-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

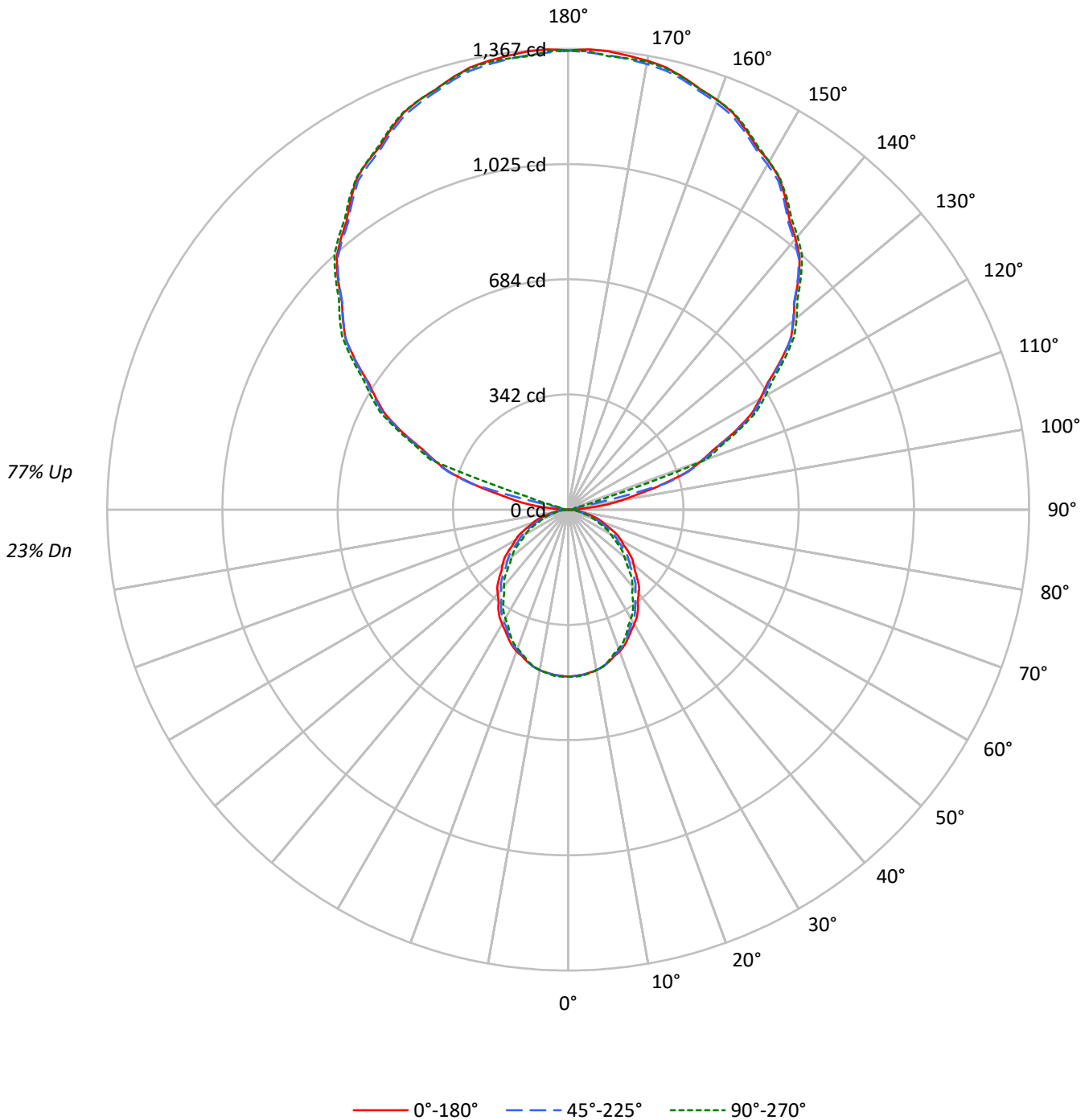
Lumens per Lamp: N/A
Luminaire Lumens: 5205.6 lumens
Efficiency: N/A
Efficacy: 160.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 32.4
Input Voltage (V): 120
Input Current (A_{in}): 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

TEST NUMBER: P1439225

CATALOG NUMBER: CB3-085U-030D-930-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P1439225

CATALOG NUMBER: CB3-085U-030D-930-1D-UNV-STD-W-4

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	101	101	101	101	89	89	89	89	68	68	68	49	49	49	31	31	31	23																				
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	26	19																				
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	24	23	22	16																				
3	76	67	60	55	67	60	54	49	46	42	39	33	31	29	22	20	19	14																				
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	12																				
5	64	53	45	39	56	47	41	36	37	32	28	27	24	21	17	16	14	10																				
6	59	47	40	34	52	42	36	31	33	28	25	24	21	19	16	14	13	9																				
7	54	42	35	30	48	38	32	27	30	25	22	22	19	16	14	13	11	8																				
8	50	38	31	26	44	34	28	24	27	22	19	20	17	15	13	11	10	7																				
9	47	35	28	23	41	31	25	21	25	20	17	18	15	13	12	10	9	7																				
10	43	32	25	20	38	29	23	19	23	18	15	17	14	12	11	9	8	6																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5606	5606	5606
5°	5580	5585	5616
10°	5556	5548	5548
15°	5470	5470	5438
20°	5382	5327	5280
25°	5246	5180	5089
30°	5118	4984	4865
35°	4982	4798	4629
40°	4803	4574	4376
45°	4640	4376	4106
50°	4473	4138	3841
55°	4290	3908	3590
60°	4094	3670	3306
65°	3863	3403	3007
70°	3599	3087	2676
75°	3261	2706	2387
80°	2841	2267	2111
85°	2194	1921	1921

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4640 cd/sqm



TEST NUMBER: P1439225

CATALOG NUMBER: CB3-085U-030D-930-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.8	0.9
10°-20°	131.4	2.5
20°-30°	190.8	3.7
30°-40°	217.0	4.2
40°-50°	210.6	4.0
50°-60°	177.8	3.4
60°-70°	126.5	2.4
70°-80°	67.6	1.3
80°-90°	17.9	0.3
90°-100°	31.4	0.6
100°-110°	227.7	4.4
110°-120°	541.5	10.4
120°-130°	691.8	13.3
130°-140°	746.2	14.3
140°-150°	703.5	13.5
150°-160°	573.8	11.0
160°-170°	373.9	7.2
170°-180°	129.3	2.5
0°-30°	369.0	7.1
0°-40°	585.9	11.3
0°-60°	974.4	18.7
0°-90°	1186.4	22.8
90°-120°	800.7	15.4
90°-150°	2942.1	56.5
90°-180°	4019.0	77.2
0°-180°	5205.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	496	496	496	496	496	
5°	491	498	492	491	494	47
15°	467	471	467	464	464	132
25°	420	422	415	409	408	194
35°	361	357	347	337	335	225
45°	290	286	274	260	257	224
55°	218	212	198	185	182	194
65°	144	139	127	116	112	143
75°	75	70	62	56	55	80
85°	17	16	15	15	15	20
90°	0	0	0	1	0	3
95°	58	10	13	14	14	71
105°	288	292	297	22	23	304
115°	541	545	546	554	557	534
125°	769	774	772	780	785	686
135°	966	971	963	970	976	744
145°	1124	1131	1117	1124	1130	703
155°	1245	1255	1238	1241	1249	574
165°	1327	1334	1320	1316	1325	375
175°	1365	1372	1354	1346	1351	130
180°	1362	1362	1362	1362	1362	

TEST NUMBER: P1439225

CATALOG NUMBER: CB3-085U-030D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	495.5	495.5	495.5	495.5	495.5
2.5°	493.0	498.0	493.6	494.2	495.3
5°	491.3	497.5	491.7	491.0	494.5
7.5°	487.5	493.2	487.1	485.7	488.8
10°	483.6	489.8	482.9	481.2	482.9
12.5°	476.5	483.0	477.5	474.7	476.1
15°	467.0	471.2	467.0	464.2	464.2
17.5°	455.4	459.8	452.0	450.0	449.2
20°	447.0	450.8	442.4	439.6	438.5
22.5°	435.7	439.2	432.3	427.4	426.1
25°	420.2	421.6	414.9	409.3	407.6
27.5°	404.7	405.0	395.9	389.0	386.7
30°	391.7	392.1	381.5	374.1	372.4
32.5°	378.8	377.7	367.7	358.9	357.7
35°	360.7	357.3	347.4	337.1	335.1
37.5°	339.0	336.9	325.2	314.9	311.8
40°	325.2	321.8	309.7	299.4	296.3
42.5°	311.4	307.4	295.1	283.7	280.3
45°	290.0	285.5	273.5	260.4	256.6
47.5°	268.5	263.6	250.3	237.6	233.4
50°	254.1	248.9	235.1	222.7	218.2
52.5°	239.5	234.0	220.2	207.5	203.8
55°	217.5	211.7	198.1	185.4	182.0
57.5°	195.5	189.8	176.3	164.3	160.1
60°	180.9	175.4	162.2	150.2	146.1
62.5°	166.0	160.7	147.9	136.1	132.3
65°	144.3	139.1	127.1	115.7	112.3
67.5°	122.8	118.4	106.5	96.1	93.3
70°	108.8	104.6	93.3	83.7	80.9
72.5°	95.2	90.8	80.0	71.9	70.0
75°	74.6	70.5	61.9	55.6	54.6
77.5°	55.7	52.4	45.0	41.4	40.8
80°	43.6	40.5	34.8	32.4	32.4
82.5°	32.4	29.8	26.1	25.1	25.1
85°	16.9	15.5	14.8	14.8	14.8
87.5°	5.1	5.1	4.8	4.7	4.5
90°	0.0	0.0	0.0	1.0	0.0
92.5°	15.6	6.0	4.9	5.9	5.7
95°	57.5	10.3	13.3	14.4	14.4
97.5°	115.8	113.6	15.6	18.7	18.9
100°	160.1	165.1	16.4	19.5	20.5
102.5°	209.4	213.6	30.4	20.3	21.3
105°	288.4	292.4	296.6	21.6	22.6
107.5°	367.0	370.0	372.7	335.5	125.6
110°	418.7	421.7	422.8	433.1	435.1

TEST NUMBER: P1439225

CATALOG NUMBER: CB3-085U-030D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	467.2	471.0	472.9	481.6	485.2
115°	540.8	544.9	546.0	554.3	557.3
117.5°	610.8	615.0	617.0	623.7	628.5
120°	656.8	661.8	663.0	671.3	675.3
122.5°	702.0	707.8	707.3	714.8	720.4
125°	768.7	773.7	771.7	780.1	785.1
127.5°	832.1	835.1	830.9	841.0	845.2
130°	872.3	875.3	870.3	879.6	884.6
132.5°	909.3	913.9	908.0	916.6	921.6
135°	965.7	970.7	962.6	970.0	976.0
137.5°	1016.0	1022.0	1012.3	1020.8	1026.1
140°	1048.8	1054.9	1042.7	1052.1	1058.1
142.5°	1079.2	1086.8	1072.2	1080.8	1087.6
145°	1123.8	1130.8	1116.6	1123.9	1129.9
147.5°	1166.0	1172.1	1158.4	1163.7	1167.9
150°	1191.5	1197.5	1182.3	1187.5	1192.5
152.5°	1212.0	1220.4	1205.2	1208.9	1216.3
155°	1244.9	1254.9	1237.7	1240.9	1249.0
157.5°	1275.0	1284.1	1266.8	1269.6	1276.7
160°	1293.1	1302.1	1284.9	1286.1	1293.1
162.5°	1307.0	1315.3	1300.5	1298.4	1307.0
165°	1327.0	1334.0	1319.8	1315.9	1324.9
167.5°	1343.6	1351.6	1334.1	1330.9	1341.1
170°	1352.6	1360.6	1342.4	1337.5	1348.5
172.5°	1358.4	1365.6	1348.1	1341.5	1350.2
175°	1364.9	1372.0	1353.6	1346.5	1350.6
177.5°	1366.8	1372.4	1357.7	1351.4	1361.0
180°	1361.9	1361.9	1361.9	1361.9	1361.9



TEST NUMBER: P1439225
 CATALOG NUMBER: CB3-085U-030D-930-1D-UNV-STD-W-4

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	9.82	10.48	10.98	11.62	13.24	8.74	9.40	9.90	10.55	12.16
	3H	11.47	12.06	12.64	13.21	14.84	10.14	10.73	11.31	11.88	13.51
	4H	12.09	12.65	13.27	13.80	15.44	10.65	11.21	11.83	12.36	13.99
	6H	12.47	12.98	13.65	14.14	15.78	10.95	11.47	12.14	12.62	14.27
	8H	12.60	13.08	13.78	14.26	15.89	11.07	11.56	12.26	12.73	14.37
	12H	12.66	13.12	13.85	14.29	15.94	11.14	11.60	12.33	12.77	14.43
4H	2H	10.20	10.76	11.39	11.92	13.55	9.35	9.90	10.53	11.06	12.69
	3H	12.07	12.54	13.26	13.72	15.36	10.94	11.41	12.13	12.59	14.23
	4H	12.81	13.24	14.00	14.41	16.07	11.54	11.97	12.73	13.14	14.80
	6H	13.30	13.67	14.50	14.86	16.51	11.94	12.31	13.14	13.50	15.15
	8H	13.49	13.83	14.68	15.01	16.68	12.11	12.45	13.30	13.63	15.30
	12H	13.58	13.89	14.79	15.08	16.75	12.21	12.52	13.41	13.71	15.38
8H	4H	12.93	13.27	14.12	14.45	16.12	11.79	12.13	12.98	13.31	14.98
	6H	13.54	13.82	14.75	15.04	16.71	12.31	12.59	13.52	13.81	15.48
	8H	13.81	14.06	15.03	15.26	16.94	12.56	12.80	13.78	14.01	15.69
	12H	13.97	14.18	15.19	15.38	17.10	12.73	12.94	13.95	14.14	15.86
12H	4H	12.89	13.20	14.10	14.39	16.07	11.78	12.09	12.99	13.28	14.96
	6H	13.55	13.80	14.77	15.00	16.68	12.36	12.61	13.58	13.81	15.50
	8H	13.84	14.06	15.06	15.26	16.97	12.64	12.85	13.86	14.05	15.77