

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: P1439581

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

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439581  
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-085U-085D-935-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 850 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

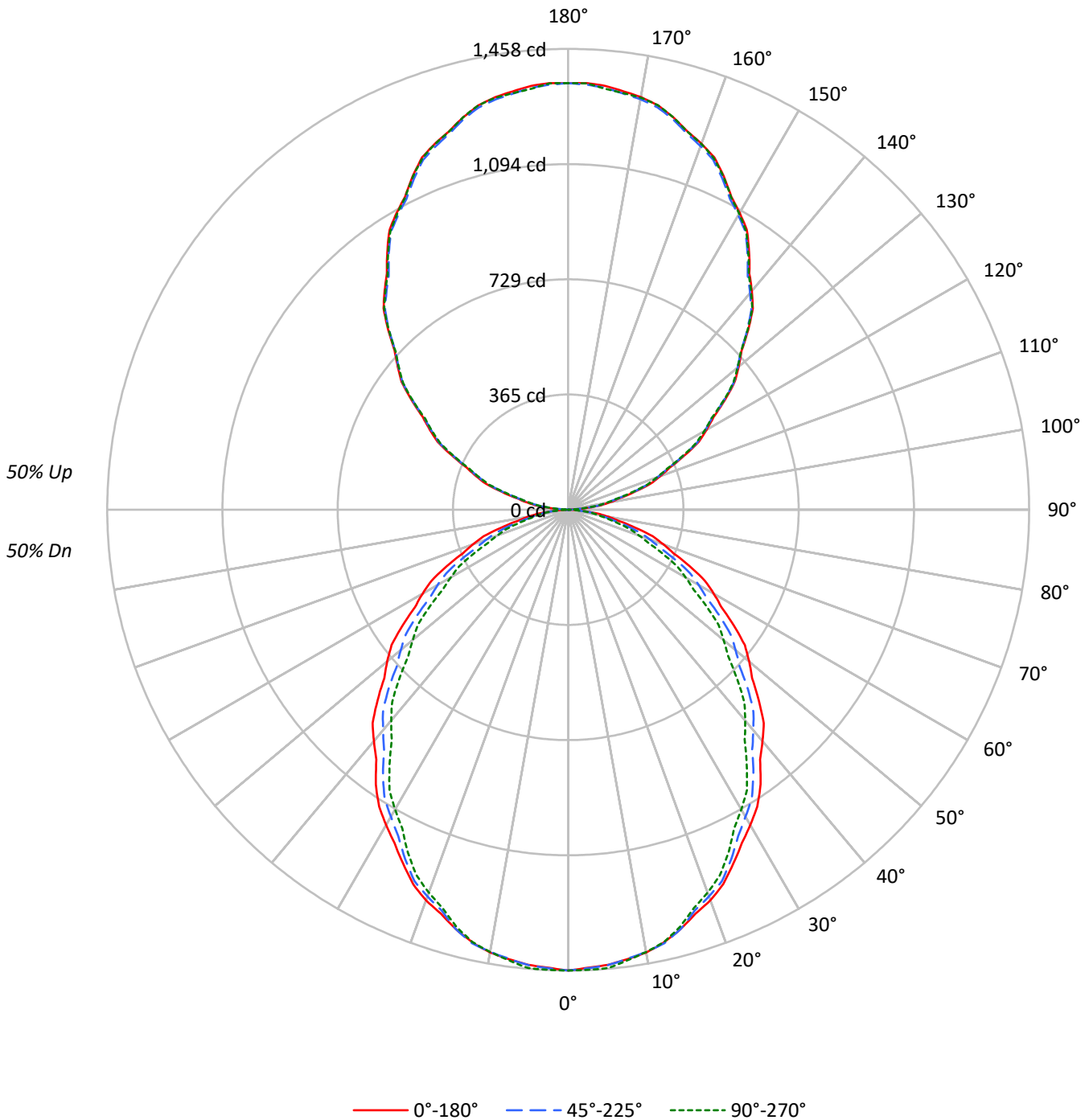
Lumens per Lamp: N/A  
Luminaire Lumens: 6966.3 lumens  
Efficiency: N/A  
Efficacy: 140.7 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 49.5  
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					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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	56	56	56	56	56	56	50		
1	98	94	90	86	90	87	83	80	73	71	69	61	60	58	50	49	48	48	48	48	48	48	48	43		
2	89	82	76	71	82	76	71	66	65	61	57	54	51	49	44	42	41	41	41	41	41	41	41	36		
3	82	72	65	59	75	67	61	56	57	52	48	48	44	41	39	37	35	35	35	35	35	35	35	31		
4	75	64	56	50	69	59	53	47	51	46	41	43	39	36	35	32	30	30	30	30	30	30	30	26		
5	69	57	49	43	63	53	46	41	46	40	36	38	34	31	32	29	26	26	26	26	26	26	26	23		
6	63	51	43	38	58	48	41	35	41	35	31	35	30	27	29	26	23	23	23	23	23	23	23	20		
7	59	46	39	33	54	43	36	31	37	32	28	32	27	24	26	23	21	21	21	21	21	21	21	18		
8	54	42	34	29	50	39	32	28	34	29	25	29	25	22	24	21	19	19	19	19	19	19	19	16		
9	51	39	31	26	47	36	29	25	31	26	22	27	22	19	22	19	17	17	17	17	17	17	17	15		
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15	15	15	15	15	15	15	13		

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

	0°	45°	90°
0°	16496	16496	16496
5°	16418	16429	16535
10°	16346	16323	16323
15°	16096	16096	15999
20°	15835	15673	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°	137.6	2.0
10°-20°	386.5	5.5
20°-30°	561.2	8.1
30°-40°	637.9	9.2
40°-50°	619.3	8.9
50°-60°	522.8	7.5
60°-70°	372.0	5.3
70°-80°	198.7	2.9
80°-90°	52.5	0.8
90°-100°	57.0	0.8
100°-110°	223.1	3.2
110°-120°	397.6	5.7
120°-130°	538.1	7.7
130°-140°	618.6	8.9
140°-150°	620.8	8.9
150°-160°	533.9	7.7
160°-170°	361.4	5.2
170°-180°	127.5	1.8
0°-30°	1085.2	15.6
0°-40°	1723.1	24.7
0°-60°	2865.2	41.1
0°-90°	3488.4	50.1
90°-120°	677.7	9.7
90°-150°	2455.2	35.2
90°-180°	3478.0	49.9
0°-180°	6966.3	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1458	1458	1458	1458	1458	
5°	1446	1464	1446	1445	1456	137
15°	1374	1386	1374	1366	1366	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	4
95°	55	50	44	41	42	63
105°	216	215	208	205	203	231
115°	406	408	398	397	396	402
125°	604	611	599	597	598	540
135°	805	813	800	794	802	621
145°	998	1006	989	984	993	623
155°	1164	1174	1155	1150	1162	535
165°	1285	1296	1279	1272	1285	362
175°	1346	1358	1340	1332	1337	128
180°	1349	1349	1349	1349	1349	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1457.9	1457.9	1457.9	1457.9	1457.9
2.5°	1450.4	1465.0	1452.1	1453.8	1457.1
5°	1445.5	1463.7	1446.5	1444.7	1455.8
7.5°	1434.3	1450.9	1433.1	1428.9	1438.0
10°	1422.7	1440.9	1420.7	1415.6	1420.7
12.5°	1402.0	1421.0	1404.9	1396.5	1400.8
15°	1374.1	1386.2	1374.1	1365.8	1365.8
17.5°	1339.9	1352.7	1329.8	1324.0	1321.5
20°	1315.1	1326.2	1301.7	1293.3	1289.2
22.5°	1282.0	1292.3	1271.9	1256.9	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	13.2	13.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	14.9	13.3	8.3	6.6	6.6
95°	54.8	49.8	44.5	41.4	42.4
97.5°	101.2	96.3	89.8	86.7	87.5
100°	133.5	129.4	122.1	119.0	119.0
102.5°	164.9	162.5	155.2	152.1	152.9
105°	216.3	215.2	208.0	204.8	202.8
107.5°	273.0	271.1	263.0	262.8	261.0
110°	309.4	308.4	301.1	300.0	299.0



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	346.6	348.0	340.0	338.9	337.9
115°	405.6	407.6	398.4	397.3	396.3
117.5°	466.0	468.9	459.0	457.9	456.1
120°	504.9	511.0	498.7	497.7	496.7
122.5°	544.7	549.9	538.5	536.6	536.4
125°	604.3	611.3	599.1	597.0	598.1
127.5°	663.9	671.2	659.7	655.6	657.9
130°	703.6	711.7	699.5	695.4	698.4
132.5°	744.2	752.3	740.0	736.0	740.6
135°	805.0	813.1	799.8	793.8	801.9
137.5°	864.4	871.5	856.9	852.8	861.3
140°	903.3	910.4	895.0	890.1	900.2
142.5°	941.4	949.3	932.3	927.3	938.3
145°	997.5	1005.5	989.2	984.2	993.3
147.5°	1051.3	1059.6	1043.0	1037.2	1046.5
150°	1084.4	1093.5	1076.1	1071.1	1081.3
152.5°	1116.7	1126.6	1108.4	1102.7	1115.2
155°	1164.0	1174.2	1154.7	1149.8	1162.0
157.5°	1206.7	1216.0	1198.4	1193.5	1204.0
160°	1232.3	1242.5	1224.1	1219.2	1231.3
162.5°	1254.7	1264.8	1248.1	1241.5	1253.6
165°	1285.1	1296.2	1278.9	1272.0	1285.1
167.5°	1310.6	1322.5	1304.1	1297.8	1311.0
170°	1325.5	1336.6	1318.2	1310.2	1323.4
172.5°	1335.4	1346.5	1328.1	1320.1	1329.2
175°	1346.2	1358.3	1339.9	1331.8	1336.8
177.5°	1350.9	1360.6	1345.9	1338.8	1350.1
180°	1349.3	1349.3	1349.3	1349.3	1349.3



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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	16.89	17.74	17.85	18.72	19.99	15.81	16.66	16.77	17.64	18.91
	3H	18.56	19.32	19.53	20.30	21.60	17.23	17.99	18.20	18.97	20.26
	4H	19.19	19.91	20.17	20.89	22.20	17.74	18.46	18.73	19.45	20.75
	6H	19.57	20.24	20.57	21.23	22.54	18.06	18.72	19.06	19.72	21.03
	8H	19.71	20.34	20.71	21.35	22.66	18.18	18.82	19.18	19.82	21.13
	12H	19.78	20.38	20.78	21.38	22.71	18.26	18.86	19.26	19.86	21.20
4H	2H	17.30	18.02	18.29	19.01	20.31	16.44	17.16	17.43	18.15	19.45
	3H	19.19	19.79	20.19	20.80	22.12	18.06	18.66	19.06	19.67	20.99
	4H	19.94	20.49	20.94	21.49	22.83	18.66	19.21	19.67	20.22	21.56
	6H	20.44	20.91	21.46	21.94	23.28	19.08	19.55	20.09	20.58	21.92
	8H	20.63	21.07	21.65	22.09	23.45	19.25	19.69	20.27	20.71	22.06
	12H	20.73	21.12	21.76	22.16	23.52	19.35	19.75	20.39	20.79	22.15
8H	4H	20.06	20.51	21.08	21.53	22.88	18.93	19.37	19.94	20.39	21.74
	6H	20.68	21.05	21.73	22.11	23.46	19.45	19.82	20.50	20.88	22.23
	8H	20.96	21.28	22.01	22.33	23.70	19.71	20.03	20.76	21.08	22.45
	12H	21.12	21.40	22.18	22.45	23.86	19.88	20.16	20.94	21.21	22.62
12H	4H	20.04	20.44	21.08	21.47	22.83	18.93	19.33	19.96	20.36	21.72
	6H	20.70	21.02	21.75	22.07	23.44	19.51	19.83	20.56	20.88	22.25
	8H	21.00	21.28	22.05	22.33	23.74	19.79	20.07	20.85	21.12	22.53