

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: P1439579

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439579
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-930-1D-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: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

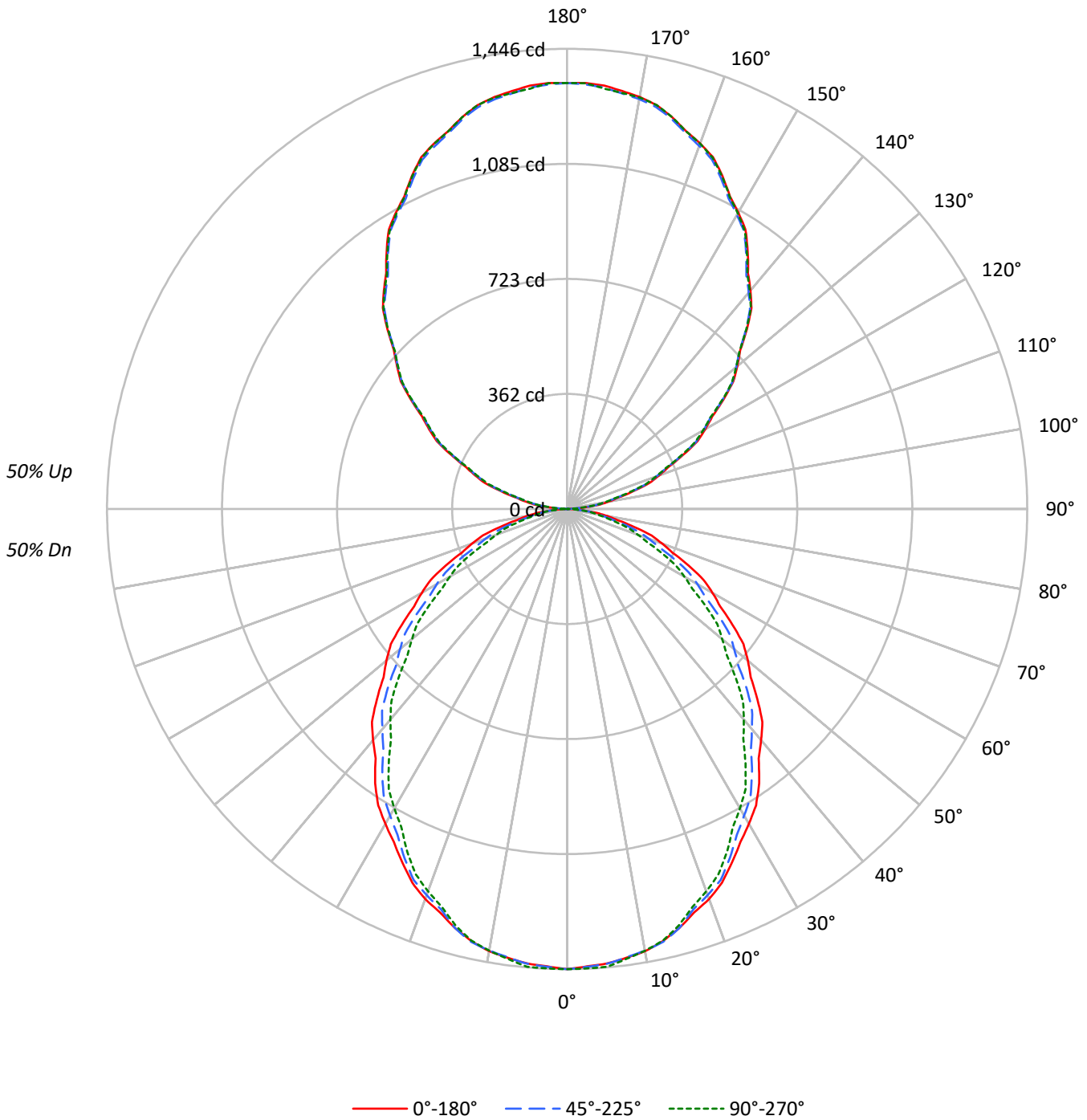
Lumens per Lamp: N/A
Luminaire Lumens: 6909.5 lumens
Efficiency: N/A
Efficacy: 139.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 49.5
Input Voltage (V): 120
Input Current (A_{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

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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	0	
RCR																						
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50				
1	98	94	90	86	90	87	83	80	73	71	69	61	60	58	50	49	48	43				
2	89	82	76	71	82	76	71	66	65	61	57	54	51	49	44	42	41	36				
3	82	72	65	59	75	67	61	56	57	52	48	48	44	41	39	37	35	31				
4	75	64	56	50	69	59	53	47	51	46	41	43	39	36	35	32	30	26				
5	69	57	49	43	63	53	46	41	46	40	36	38	34	31	32	29	26	23				
6	63	51	43	38	58	48	41	35	41	35	31	35	30	27	29	26	23	20				
7	59	46	39	33	54	43	36	31	37	32	28	32	27	24	26	23	21	18				
8	54	42	34	29	50	39	32	28	34	29	25	29	25	22	24	21	19	16				
9	51	39	31	26	47	36	29	25	31	26	22	27	22	19	22	19	17	15				
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15	13				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16361	16361	16361
5°	16284	16295	16401
10°	16212	16189	16189
15°	15965	15965	15869
20°	15706	15545	15396
25°	15298	15106	14836
30°	14923	14535	14186
35°	14529	13991	13495
40°	14007	13339	12763
45°	13531	12759	11971
50°	13043	12066	11200
55°	12510	11398	10467
60°	11937	10706	9638
65°	11266	9919	8765
70°	10490	8998	7807
75°	9513	7895	6955
80°	8295	6620	6151
85°	6400	5595	5595

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13531 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.4	2.0
10°-20°	383.3	5.5
20°-30°	556.6	8.1
30°-40°	632.7	9.2
40°-50°	614.2	8.9
50°-60°	518.6	7.5
60°-70°	368.9	5.3
70°-80°	197.1	2.9
80°-90°	52.1	0.8
90°-100°	56.6	0.8
100°-110°	221.3	3.2
110°-120°	394.4	5.7
120°-130°	533.7	7.7
130°-140°	613.6	8.9
140°-150°	615.7	8.9
150°-160°	529.5	7.7
160°-170°	358.4	5.2
170°-180°	126.4	1.8
0°-30°	1076.4	15.6
0°-40°	1709.1	24.7
0°-60°	2841.8	41.1
0°-90°	3460.0	50.1
90°-120°	672.2	9.7
90°-150°	2435.2	35.2
90°-180°	3450.0	49.9
0°-180°	6909.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1446	1446	1446	1446	1446	
5°	1434	1452	1435	1433	1444	136
15°	1363	1375	1363	1355	1355	384
25°	1225	1229	1210	1193	1188	565
35°	1052	1042	1013	983	977	656
45°	846	833	797	759	748	652
55°	634	617	578	541	531	567
65°	421	406	370	337	327	417
75°	218	206	181	162	159	232
85°	49	45	43	43	43	58
90°	0	0	0	0	0	4
95°	54	49	44	41	42	62
105°	214	214	206	203	201	229
115°	402	404	395	394	393	399
125°	599	606	594	592	593	536
135°	798	806	793	787	795	615
145°	989	997	981	976	985	618
155°	1154	1165	1145	1140	1152	531
165°	1275	1286	1268	1262	1275	359
175°	1335	1347	1329	1321	1326	127
180°	1338	1338	1338	1338	1338	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1446.0	1446.0	1446.0	1446.0	1446.0
2.5°	1438.6	1453.1	1440.3	1442.0	1445.2
5°	1433.7	1451.8	1434.7	1432.9	1444.0
7.5°	1422.6	1439.1	1421.4	1417.3	1426.3
10°	1411.1	1429.2	1409.1	1404.0	1409.1
12.5°	1390.6	1409.5	1393.5	1385.1	1389.4
15°	1362.9	1374.9	1362.9	1354.7	1354.7
17.5°	1329.0	1341.7	1319.0	1313.2	1310.7
20°	1304.4	1315.4	1291.0	1282.7	1278.7
22.5°	1271.5	1281.8	1261.5	1246.6	1242.6
25°	1225.4	1229.4	1210.0	1193.4	1188.4
27.5°	1180.0	1181.0	1154.3	1134.3	1127.7
30°	1142.2	1143.2	1112.5	1090.8	1085.8
32.5°	1104.5	1101.5	1072.2	1046.5	1043.1
35°	1051.9	1041.9	1012.9	983.0	977.0
37.5°	988.5	982.5	948.3	918.3	909.3
40°	948.3	938.2	903.1	873.1	864.1
42.5°	908.0	896.4	860.4	827.1	817.3
45°	845.6	832.6	797.4	759.2	748.1
47.5°	782.8	768.6	729.9	692.9	680.6
50°	741.0	725.9	685.5	649.3	636.3
52.5°	698.3	682.4	642.0	605.0	594.4
55°	634.2	617.2	577.8	540.6	530.6
57.5°	570.2	553.3	514.2	479.0	466.9
60°	527.5	511.4	473.1	437.9	425.9
62.5°	484.0	468.7	431.2	396.9	385.7
65°	420.8	405.7	370.5	337.4	327.4
67.5°	358.2	345.3	310.5	280.2	272.2
70°	317.1	305.1	272.0	244.1	236.0
72.5°	277.7	264.9	233.4	209.6	204.0
75°	217.6	205.5	180.6	162.1	159.1
77.5°	162.6	152.7	131.2	120.7	119.0
80°	127.3	118.2	101.6	94.4	94.4
82.5°	94.4	87.0	76.1	73.1	73.1
85°	49.3	45.2	43.1	43.1	43.1
87.5°	14.8	14.8	14.0	13.1	13.1
90°	0.0	0.0	0.0	0.0	0.0
92.5°	14.8	13.2	8.2	6.6	6.6
95°	54.4	49.4	44.1	41.1	42.1
97.5°	100.4	95.6	89.1	86.0	86.8
100°	132.4	128.4	121.1	118.0	118.0
102.5°	163.6	161.2	153.9	150.9	151.7
105°	214.5	213.5	206.3	203.2	201.1
107.5°	270.7	268.9	260.9	260.6	258.8
110°	306.9	305.8	298.6	297.6	296.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	343.8	345.2	337.2	336.2	335.2
115°	402.3	404.3	395.1	394.1	393.1
117.5°	462.2	465.0	455.2	454.2	452.4
120°	500.8	506.8	494.7	493.6	492.6
122.5°	540.2	545.4	534.1	532.2	532.0
125°	599.3	606.4	594.2	592.2	593.2
127.5°	658.4	665.7	654.3	650.3	652.5
130°	697.9	705.9	693.8	689.7	692.7
132.5°	738.1	746.1	734.0	730.0	734.6
135°	798.4	806.5	793.3	787.3	795.4
137.5°	857.3	864.4	850.0	845.8	854.3
140°	895.9	903.0	887.7	882.8	892.8
142.5°	933.7	941.5	924.7	919.8	930.6
145°	989.3	997.3	981.1	976.2	985.2
147.5°	1042.7	1050.9	1034.5	1028.7	1038.0
150°	1075.5	1084.6	1067.3	1062.4	1072.4
152.5°	1107.5	1117.4	1099.3	1093.7	1106.1
155°	1154.5	1164.6	1145.3	1140.5	1152.5
157.5°	1196.8	1206.1	1188.6	1183.7	1194.2
160°	1222.3	1232.3	1214.1	1209.2	1221.3
162.5°	1244.4	1254.5	1237.9	1231.4	1243.4
165°	1274.6	1285.7	1268.5	1261.6	1274.6
167.5°	1299.9	1311.7	1293.5	1287.2	1300.3
170°	1314.6	1325.7	1307.5	1299.5	1312.6
172.5°	1324.5	1335.5	1317.3	1309.3	1318.3
175°	1335.2	1347.2	1329.0	1320.9	1325.9
177.5°	1339.9	1349.5	1335.0	1327.8	1339.1
180°	1338.2	1338.2	1338.2	1338.2	1338.2



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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	16.86	17.71	17.82	18.69	19.96	15.79	16.64	16.74	17.61	18.88
	3H	18.53	19.29	19.50	20.27	21.57	17.20	17.96	18.17	18.94	20.24
	4H	19.16	19.88	20.14	20.87	22.17	17.72	18.44	18.70	19.42	20.72
	6H	19.54	20.21	20.54	21.20	22.51	18.03	18.70	19.03	19.69	21.00
	8H	19.68	20.31	20.68	21.32	22.63	18.16	18.79	19.16	19.79	21.11
	12H	19.75	20.35	20.75	21.35	22.69	18.23	18.83	19.24	19.83	21.17
4H	2H	17.27	17.99	18.26	18.98	20.28	16.41	17.13	17.40	18.12	19.42
	3H	19.16	19.76	20.16	20.77	22.09	18.03	18.63	19.03	19.65	20.96
	4H	19.91	20.46	20.91	21.46	22.80	18.64	19.19	19.64	20.19	21.53
	6H	20.41	20.88	21.43	21.91	23.25	19.05	19.52	20.07	20.55	21.89
	8H	20.60	21.04	21.62	22.07	23.42	19.22	19.66	20.24	20.68	22.03
	12H	20.70	21.10	21.74	22.14	23.49	19.32	19.72	20.36	20.76	22.12
8H	4H	20.04	20.48	21.06	21.50	22.85	18.90	19.34	19.92	20.36	21.71
	6H	20.65	21.02	21.70	22.09	23.43	19.43	19.79	20.47	20.86	22.20
	8H	20.93	21.25	21.98	22.30	23.67	19.68	20.00	20.73	21.05	22.42
	12H	21.09	21.38	22.15	22.42	23.83	19.85	20.14	20.91	21.18	22.59
12H	4H	20.01	20.41	21.05	21.45	22.80	18.90	19.30	19.94	20.34	21.69
	6H	20.67	20.99	21.72	22.04	23.41	19.48	19.80	20.53	20.85	22.22
	8H	20.97	21.25	22.03	22.30	23.71	19.76	20.05	20.82	21.09	22.50