

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: P1439573

Luminaire Tested: CB3-D-085U-055D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439573
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-055D-935-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

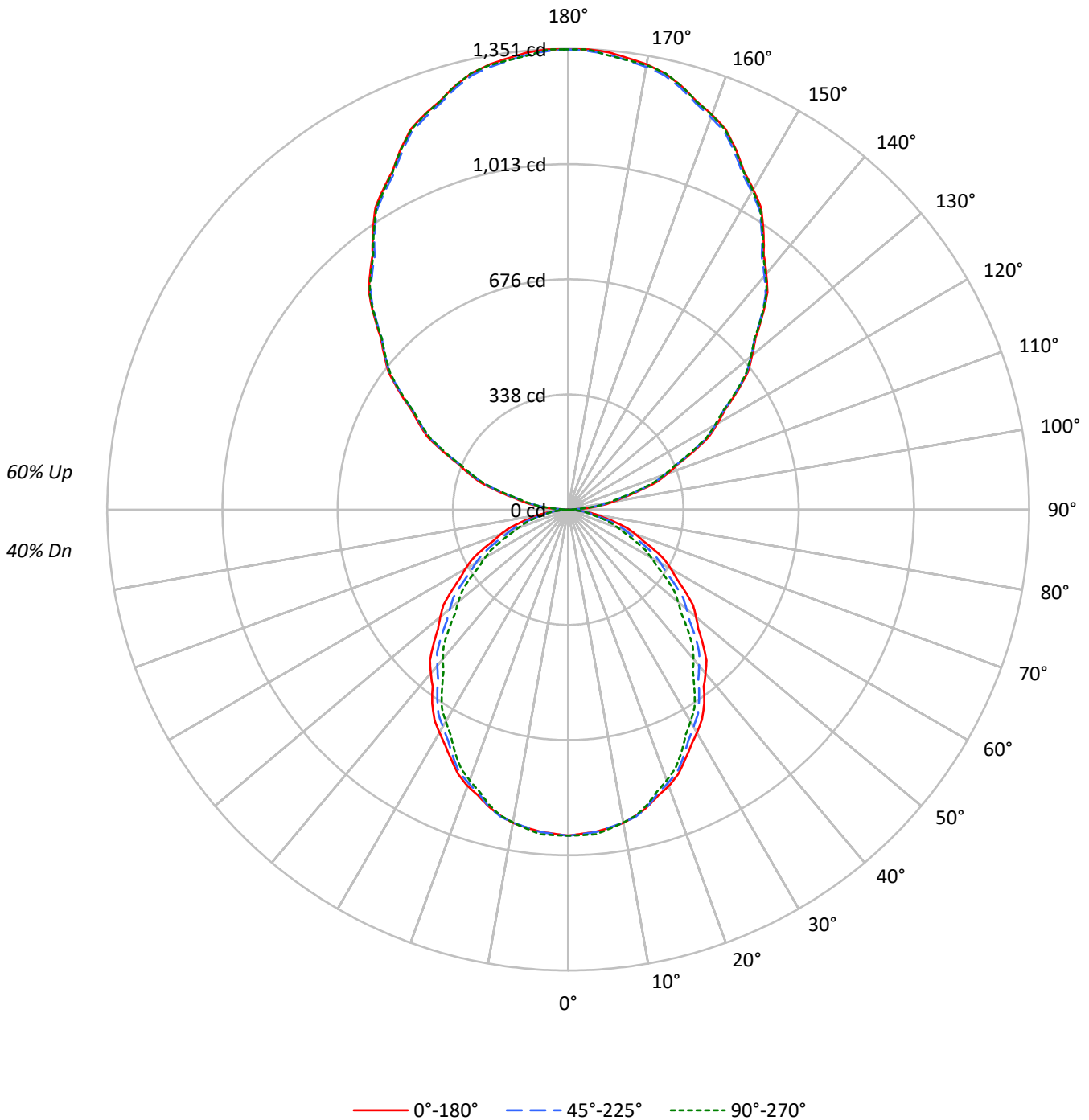
Lumens per Lamp: N/A
Luminaire Lumens: 5763.5 lumens
Efficiency: N/A
Efficacy: 142.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 40.4
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

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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	0
RCR																		
0	105	105	105	105	95	95	95	95	78	78	78	61	61	61	47	47	47	40
1	96	91	88	84	87	83	80	77	68	66	64	54	53	51	41	40	40	34
2	87	80	74	69	79	73	68	64	60	56	53	48	45	43	37	35	34	28
3	80	70	63	58	72	64	58	53	53	48	45	42	39	37	33	30	29	24
4	73	62	55	49	66	57	50	45	47	42	38	38	34	31	29	27	25	21
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	26	24	22	18
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	21	19	16
7	57	45	37	32	52	41	34	30	34	29	25	28	24	21	22	19	17	14
8	53	41	33	28	48	37	31	26	31	26	22	26	22	19	20	17	15	13
9	49	37	30	25	45	34	28	23	29	24	20	23	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10811	10811	10811
5°	10760	10767	10841
10°	10712	10698	10698
15°	10549	10549	10486
20°	10378	10272	10170
25°	10105	9977	9800
30°	9857	9600	9370
35°	9597	9242	8913
40°	9252	8810	8431
45°	8938	8428	7908
50°	8615	7970	7398
55°	8263	7528	6914
60°	7884	7072	6366
65°	7440	6551	5788
70°	6931	5941	5157
75°	6282	5215	4595
80°	5480	4372	4066
85°	4219	3700	3700

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8938 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.2	1.6
10°-20°	253.3	4.4
20°-30°	367.7	6.4
30°-40°	417.9	7.3
40°-50°	405.7	7.0
50°-60°	342.5	5.9
60°-70°	243.7	4.2
70°-80°	130.2	2.3
80°-90°	34.4	0.6
90°-100°	57.0	1.0
100°-110°	223.1	3.9
110°-120°	397.6	6.9
120°-130°	538.1	9.3
130°-140°	618.6	10.7
140°-150°	620.8	10.8
150°-160°	533.9	9.3
160°-170°	361.4	6.3
170°-180°	127.5	2.2
0°-30°	711.1	12.3
0°-40°	1129.1	19.6
0°-60°	1877.3	32.6
0°-90°	2285.6	39.7
90°-120°	677.7	11.8
90°-150°	2455.2	42.6
90°-180°	3478.0	60.3
0°-180°	5763.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	956	956	956	956	956	
5°	947	959	948	947	954	90
15°	901	908	901	895	895	254
25°	809	812	799	788	785	373
35°	695	688	669	649	645	433
45°	559	550	527	502	494	431
55°	419	408	382	357	350	375
65°	278	268	245	223	216	275
75°	144	136	119	107	105	153
85°	32	30	28	28	28	39
90°	0	0	0	0	0	3
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°	955.5	955.5	955.5	955.5	955.5
2.5°	950.6	960.2	951.7	952.8	955.0
5°	947.4	959.3	948.0	946.9	954.5
7.5°	940.0	950.9	939.2	936.5	942.5
10°	932.4	944.4	931.1	927.8	931.1
12.5°	918.9	931.3	920.8	915.3	918.1
15°	900.6	908.5	900.6	895.2	895.2
17.5°	878.2	886.6	871.6	867.7	866.1
20°	861.9	869.2	853.1	847.6	844.6
22.5°	840.3	847.0	833.6	823.5	820.8
25°	809.4	812.0	799.2	788.3	785.0
27.5°	779.4	780.1	762.5	749.2	744.9
30°	754.5	755.1	734.8	720.5	717.2
32.5°	729.5	727.5	708.3	691.3	689.0
35°	694.8	688.2	669.1	649.3	645.3
37.5°	652.9	649.0	626.4	606.6	600.6
40°	626.4	619.7	596.5	576.7	570.8
42.5°	599.8	592.1	568.3	546.4	539.9
45°	558.6	550.0	526.7	501.5	494.2
47.5°	517.1	507.7	482.1	457.7	449.6
50°	489.4	479.5	452.8	428.9	420.3
52.5°	461.2	450.8	424.1	399.7	392.6
55°	418.9	407.7	381.6	357.1	350.5
57.5°	376.6	365.5	339.6	316.4	308.4
60°	348.4	337.8	312.5	289.3	281.3
62.5°	319.7	309.6	284.8	262.2	254.7
65°	277.9	268.0	244.7	222.9	216.2
67.5°	236.6	228.1	205.1	185.1	179.8
70°	209.5	201.5	179.6	161.2	155.9
72.5°	183.4	175.0	154.2	138.5	134.8
75°	143.7	135.8	119.3	107.1	105.1
77.5°	107.4	100.9	86.6	79.7	78.6
80°	84.1	78.1	67.1	62.4	62.4
82.5°	62.4	57.5	50.3	48.3	48.3
85°	32.5	29.9	28.5	28.5	28.5
87.5°	9.8	9.8	9.2	8.7	8.7
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	14.37	15.14	15.42	16.19	17.60	13.30	14.06	14.34	15.11	16.52
	3H	16.03	16.72	17.09	17.78	19.21	14.70	15.39	15.76	16.45	17.88
	4H	16.66	17.31	17.72	18.37	19.81	15.22	15.87	16.28	16.93	18.36
	6H	17.04	17.64	18.11	18.70	20.15	15.53	16.13	16.60	17.19	18.64
	8H	17.18	17.75	18.25	18.82	20.27	15.65	16.22	16.73	17.30	18.74
	12H	17.24	17.78	18.32	18.85	20.32	15.72	16.26	16.81	17.34	18.80
4H	2H	14.77	15.42	15.84	16.48	17.92	13.91	14.56	14.98	15.62	17.06
	3H	16.65	17.19	17.73	18.28	19.73	15.52	16.07	16.60	17.15	18.60
	4H	17.40	17.89	18.48	18.97	20.44	16.13	16.62	17.21	17.70	19.17
	6H	17.89	18.32	18.99	19.42	20.89	16.53	16.96	17.63	18.06	19.53
	8H	18.08	18.48	19.18	19.57	21.06	16.70	17.10	17.79	18.19	19.67
	12H	18.18	18.54	19.29	19.64	21.13	16.80	17.16	17.91	18.27	19.75
8H	4H	17.52	17.92	18.61	19.01	20.49	16.38	16.78	17.47	17.87	19.35
	6H	18.13	18.46	19.25	19.60	21.08	16.90	17.23	18.02	18.37	19.85
	8H	18.41	18.70	19.53	19.81	21.31	17.16	17.44	18.28	18.56	20.06
	12H	18.57	18.82	19.69	19.93	21.47	17.33	17.58	18.45	18.69	20.23
12H	4H	17.49	17.85	18.60	18.95	20.44	16.38	16.74	17.49	17.84	19.33
	6H	18.15	18.44	19.27	19.55	21.05	16.96	17.25	18.08	18.36	19.86
	8H	18.45	18.70	19.57	19.81	21.35	17.24	17.49	18.36	18.60	20.14