

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: P1439269

Luminaire Tested: CB3-085U-120D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439269  
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-120D-935-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 850 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

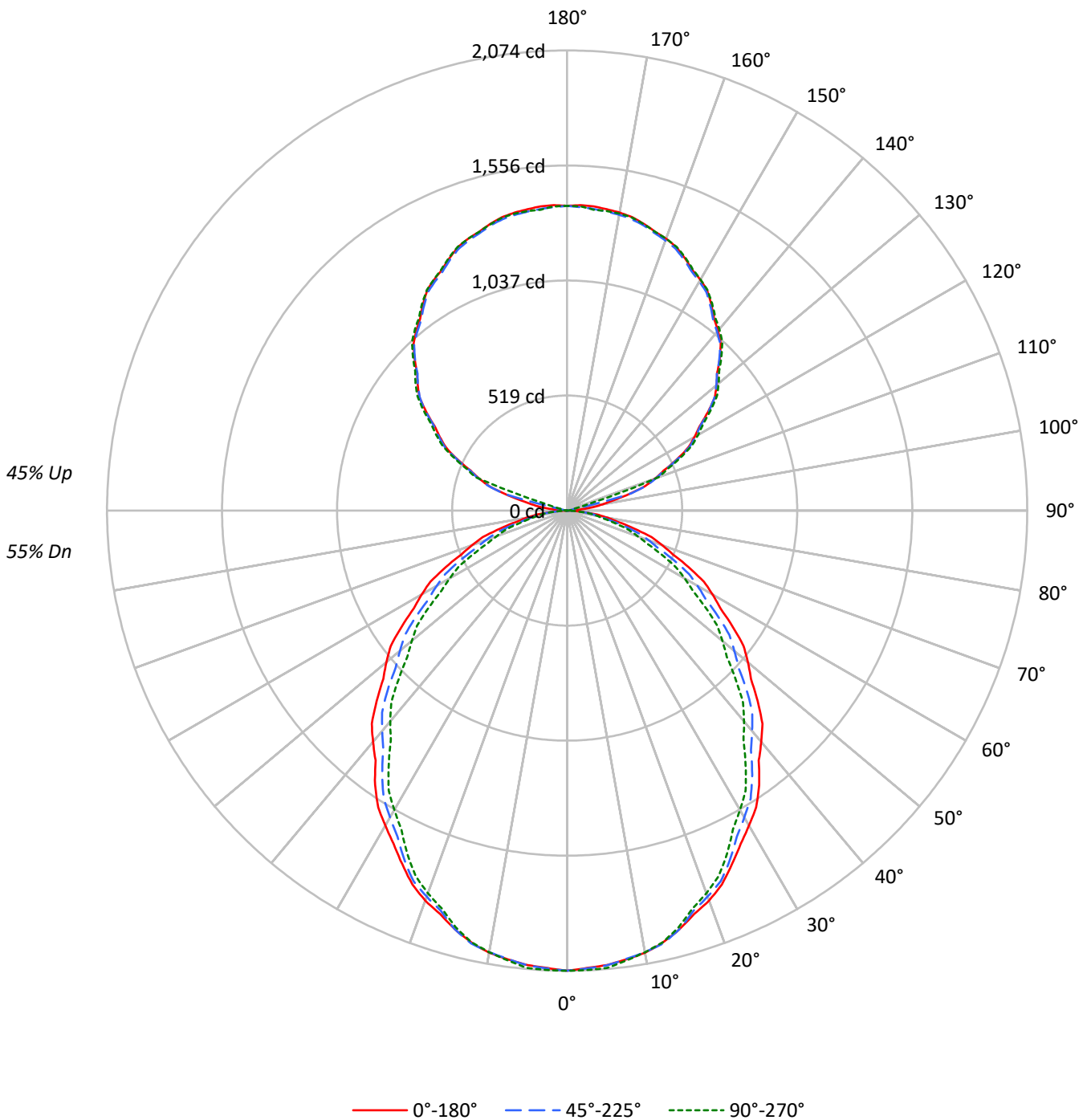
Lumens per Lamp: N/A  
Luminaire Lumens: 9017.5 lumens  
Efficiency: N/A  
Efficacy: 145.4 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 62  
Input Voltage (V): 120  
Input Current (Ain): 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: P1439269

CATALOG NUMBER: CB3-085U-120D-935-1D-UNV-STD-W-4

### 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	108	108	108	108	101	101	101	101	86	86	86	73	73	73	61	61	61	55
1	99	95	91	88	92	88	85	82	76	73	71	65	63	61	54	53	52	47
2	90	83	77	72	84	77	72	68	67	63	59	57	54	51	48	46	44	40
3	83	73	66	60	76	68	62	57	59	54	50	50	47	44	43	40	38	34
4	76	65	57	51	70	61	54	48	53	47	43	45	41	38	38	35	33	29
5	70	58	50	44	64	54	47	42	47	41	37	41	36	33	34	31	28	25
6	64	52	44	38	59	49	42	36	43	37	32	37	32	29	31	28	25	22
7	59	47	39	34	55	44	37	32	39	33	29	34	29	26	29	25	22	20
8	55	43	35	30	51	40	33	28	35	30	26	31	26	23	26	23	20	18
9	51	39	32	27	48	37	30	25	32	27	23	28	24	21	24	21	18	16
10	48	36	29	24	45	34	27	23	30	25	21	26	22	19	23	19	17	15

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

	0°	45°	90°
0°	23465	23465	23465
5°	23354	23371	23505
10°	23252	23218	23218
15°	22896	22896	22757
20°	22525	22293	22098
25°	21956	21680	21294
30°	21419	20861	20360
35°	20854	20081	19369
40°	20102	19145	18318
45°	19421	18313	17182
50°	18720	17319	16074
55°	17957	16359	15022
60°	17133	15365	13833
65°	16168	14235	12580
70°	15055	12912	11208
75°	13653	11331	9980
80°	11898	9500	8829
85°	9178	8036	8036

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 19421 cd/sqm



TEST NUMBER: P1439269

CATALOG NUMBER: CB3-085U-120D-935-1D-UNV-STD-W-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	195.7	2.2
10°-20°	549.7	6.1
20°-30°	798.7	8.9
30°-40°	908.1	10.1
40°-50°	881.5	9.8
50°-60°	744.3	8.3
60°-70°	529.5	5.9
70°-80°	282.9	3.1
80°-90°	74.8	0.8
90°-100°	31.7	0.4
100°-110°	229.6	2.5
110°-120°	545.9	6.1
120°-130°	697.5	7.7
130°-140°	752.3	8.3
140°-150°	709.2	7.9
150°-160°	578.6	6.4
160°-170°	377.0	4.2
170°-180°	130.3	1.4
0°-30°	1544.1	17.1
0°-40°	2452.2	27.2
0°-60°	4078.0	45.2
0°-90°	4965.3	55.1
90°-120°	807.3	9.0
90°-150°	2966.3	32.9
90°-180°	4052.0	44.9
0°-180°	9017.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2074	2074	2074	2074	2074	
5°	2056	2082	2058	2055	2070	195
15°	1955	1972	1955	1943	1943	551
25°	1759	1764	1737	1713	1706	810
35°	1510	1495	1454	1411	1402	941
45°	1214	1195	1144	1090	1074	936
55°	910	886	829	776	762	814
65°	604	582	532	484	470	598
75°	312	295	259	233	228	333
85°	71	65	62	62	62	84
90°	0	0	0	1	0	5
95°	58	10	14	14	14	72
105°	291	295	299	22	23	307
115°	545	549	550	559	562	538
125°	775	780	778	786	792	692
135°	974	979	971	978	984	750
145°	1133	1140	1126	1133	1139	709
155°	1255	1265	1248	1251	1259	579
165°	1338	1345	1331	1327	1336	378
175°	1376	1383	1365	1358	1362	131
180°	1373	1373	1373	1373	1373	

TEST NUMBER: P1439269

CATALOG NUMBER: CB3-085U-120D-935-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2073.9	2073.9	2073.9	2073.9	2073.9
2.5°	2063.3	2084.1	2065.7	2068.1	2072.7
5°	2056.2	2082.2	2057.7	2055.1	2069.5
7.5°	2040.3	2064.0	2038.6	2032.7	2045.6
10°	2023.8	2049.8	2020.9	2013.7	2020.9
12.5°	1994.4	2021.5	1998.5	1986.6	1992.6
15°	1954.6	1971.9	1954.6	1942.8	1942.8
17.5°	1906.0	1924.2	1891.6	1883.3	1880.1
20°	1870.7	1886.5	1851.5	1839.6	1835.3
22.5°	1823.5	1838.2	1809.1	1788.9	1783.5
25°	1758.7	1764.5	1736.6	1712.9	1705.7
27.5°	1693.6	1695.0	1656.8	1628.0	1618.5
30°	1639.4	1640.8	1596.7	1565.6	1558.4
32.5°	1585.2	1580.9	1538.9	1502.0	1497.1
35°	1509.8	1495.4	1453.8	1410.9	1402.3
37.5°	1418.8	1410.1	1361.0	1318.0	1305.0
40°	1361.0	1346.6	1296.2	1253.2	1240.2
42.5°	1303.3	1286.6	1234.9	1187.2	1173.1
45°	1213.7	1195.0	1144.5	1089.6	1073.8
47.5°	1123.6	1103.1	1047.6	994.4	976.9
50°	1063.5	1041.9	983.9	932.0	913.2
52.5°	1002.2	979.4	921.5	868.4	853.1
55°	910.3	885.8	829.3	775.9	761.5
57.5°	818.4	794.2	738.0	687.5	670.2
60°	757.1	734.1	679.0	628.6	611.3
62.5°	694.6	672.8	618.9	569.7	553.5
65°	603.9	582.3	531.7	484.3	469.9
67.5°	514.1	495.6	445.7	402.1	390.6
70°	455.1	437.9	390.3	350.3	338.8
72.5°	398.6	380.1	335.0	300.9	292.8
75°	312.3	295.0	259.2	232.6	228.3
77.5°	233.3	219.2	188.2	173.2	170.9
80°	182.6	169.7	145.8	135.5	135.5
82.5°	135.5	124.9	109.3	104.9	104.9
85°	70.7	64.9	61.9	61.9	61.9
87.5°	21.2	21.2	20.0	19.1	18.9
90°	0.0	0.0	0.0	1.0	0.0
92.5°	15.7	6.0	5.0	6.0	5.8
95°	57.9	10.4	13.5	14.5	14.5
97.5°	116.7	114.5	15.7	18.8	19.0
100°	161.4	166.5	16.6	19.7	20.7
102.5°	211.1	215.3	30.6	20.5	21.5
105°	290.8	294.8	299.0	21.8	22.8
107.5°	370.0	373.0	375.8	338.3	126.6
110°	422.2	425.2	426.3	436.7	438.7



TEST NUMBER: P1439269

CATALOG NUMBER: CB3-085U-120D-935-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	471.0	474.8	476.8	485.6	489.2
115°	545.3	549.3	550.5	558.8	561.8
117.5°	615.9	620.1	622.1	628.8	633.7
120°	662.2	667.3	668.4	676.8	680.8
122.5°	707.7	713.6	713.1	720.7	726.4
125°	775.0	780.1	778.1	786.5	791.5
127.5°	838.9	842.0	837.7	847.9	852.2
130°	879.5	882.5	877.4	886.9	891.9
132.5°	916.7	921.4	915.5	924.1	929.2
135°	973.7	978.7	970.6	977.9	984.0
137.5°	1024.4	1030.4	1020.6	1029.2	1034.5
140°	1057.5	1063.5	1051.3	1060.7	1066.8
142.5°	1088.1	1095.8	1081.1	1089.7	1096.6
145°	1133.0	1140.1	1125.8	1133.1	1139.2
147.5°	1175.6	1181.7	1168.0	1173.2	1177.5
150°	1201.3	1207.4	1192.0	1197.3	1202.3
152.5°	1222.0	1230.5	1215.2	1218.8	1226.3
155°	1255.1	1265.2	1247.9	1251.1	1259.2
157.5°	1285.5	1294.6	1277.2	1280.1	1287.2
160°	1303.7	1312.8	1295.5	1296.6	1303.7
162.5°	1317.8	1326.1	1311.2	1309.1	1317.8
165°	1337.9	1345.0	1330.6	1326.7	1335.8
167.5°	1354.6	1362.7	1345.1	1341.8	1352.2
170°	1363.7	1371.8	1353.4	1348.5	1359.6
172.5°	1369.5	1376.8	1359.2	1352.6	1361.3
175°	1376.2	1383.2	1364.8	1357.6	1361.7
177.5°	1378.0	1383.7	1368.9	1362.5	1372.2
180°	1373.1	1373.1	1373.1	1373.1	1373.1



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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	18.57	19.47	19.48	20.40	21.60	17.49	18.39	18.41	19.32	20.52
	3H	20.24	21.04	21.17	21.98	23.21	18.91	19.71	19.83	20.65	21.87
	4H	20.87	21.63	21.81	22.58	23.81	19.43	20.19	20.37	21.13	22.36
	6H	21.26	21.96	22.21	22.91	24.15	19.75	20.45	20.70	21.40	22.64
	8H	21.40	22.06	22.36	23.03	24.27	19.87	20.54	20.83	21.50	22.75
	12H	21.46	22.10	22.43	23.06	24.33	19.95	20.58	20.91	21.54	22.81
4H	2H	18.98	19.74	19.93	20.69	21.92	18.12	18.88	19.07	19.83	21.06
	3H	20.87	21.51	21.83	22.48	23.73	19.74	20.38	20.70	21.35	22.60
	4H	21.62	22.20	22.59	23.17	24.44	20.35	20.93	21.32	21.90	23.17
	6H	22.13	22.63	23.11	23.62	24.89	20.77	21.26	21.75	22.26	23.53
	8H	22.32	22.79	23.30	23.77	25.06	20.94	21.40	21.92	22.39	23.67
	12H	22.42	22.84	23.42	23.84	25.13	21.05	21.46	22.05	22.47	23.76
8H	4H	21.76	22.22	22.74	23.21	24.49	20.62	21.08	21.60	22.07	23.35
	6H	22.38	22.76	23.38	23.79	25.07	21.15	21.53	22.15	22.56	23.84
	8H	22.65	22.99	23.67	24.01	25.31	21.40	21.74	22.41	22.76	24.06
	12H	22.82	23.12	23.84	24.13	25.47	21.58	21.88	22.60	22.89	24.23
12H	4H	21.73	22.15	22.73	23.15	24.44	20.62	21.04	21.62	22.04	23.33
	6H	22.39	22.73	23.41	23.75	25.05	21.20	21.54	22.22	22.56	23.86
	8H	22.70	22.99	23.71	24.00	25.35	21.49	21.79	22.51	22.80	24.14