

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: P1439253

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439253
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-085D-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

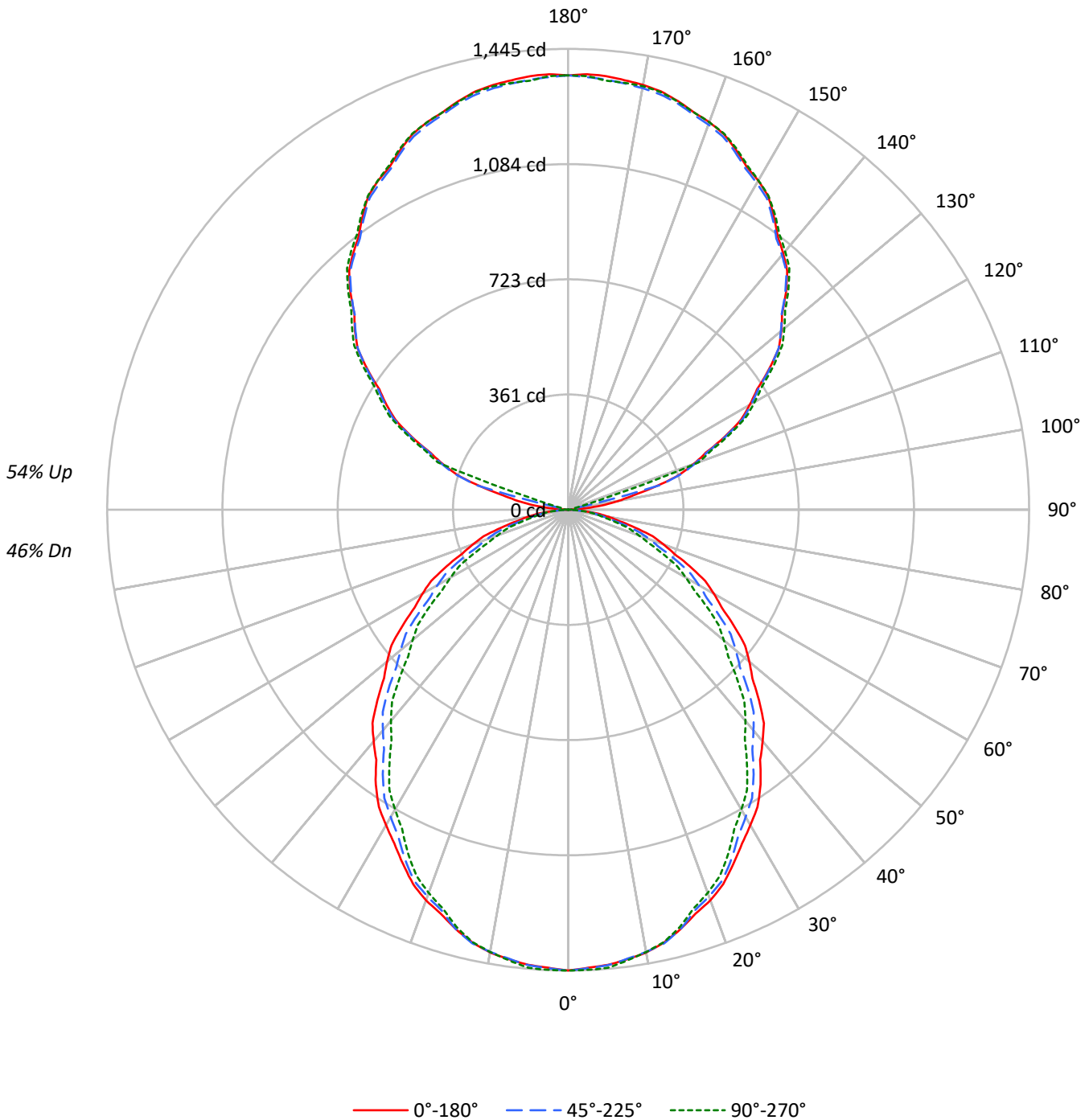
Lumens per Lamp: N/A
Luminaire Lumens: 7478.6 lumens
Efficiency: N/A
Efficacy: 151.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

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	106	106	106	106	98	98	98	98	81	81	81	66	66	66	53	53	53	46				
1	97	93	89	86	89	85	82	79	71	69	67	59	57	56	47	46	45	39				
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	41	40	38	33				
3	81	72	64	59	74	66	60	55	56	51	47	46	42	40	37	35	33	28				
4	74	63	56	50	68	59	52	46	49	44	40	41	37	34	33	30	28	24				
5	68	57	49	43	62	52	45	40	44	39	35	37	33	30	30	27	25	21				
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22	19				
7	58	46	38	32	53	43	36	31	36	31	27	30	26	23	25	22	19	17				
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17	15				
9	50	38	31	26	46	35	29	24	30	25	21	26	21	19	21	18	16	14				
10	47	35	28	23	43	32	26	22	28	23	19	24	20	17	20	17	14	12				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16350	16350	16350
5°	16272	16284	16377
10°	16201	16177	16177
15°	15952	15952	15856
20°	15694	15533	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°	136.3	1.8
10°-20°	383.0	5.1
20°-30°	556.5	7.4
30°-40°	632.7	8.5
40°-50°	614.2	8.2
50°-60°	518.6	6.9
60°-70°	368.9	4.9
70°-80°	197.1	2.6
80°-90°	52.1	0.7
90°-100°	31.4	0.4
100°-110°	227.7	3.0
110°-120°	541.5	7.2
120°-130°	691.8	9.3
130°-140°	746.2	10.0
140°-150°	703.5	9.4
150°-160°	573.8	7.7
160°-170°	373.9	5.0
170°-180°	129.3	1.7
0°-30°	1075.8	14.4
0°-40°	1708.5	22.8
0°-60°	2841.3	38.0
0°-90°	3459.5	46.3
90°-120°	800.7	10.7
90°-150°	2942.1	39.3
90°-180°	4019.0	53.7
0°-180°	7478.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1445	1445	1445	1445	1445	
5°	1433	1451	1434	1432	1442	136
15°	1362	1374	1362	1354	1354	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	1	0	4
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1445.0	1445.0	1445.0	1445.0	1445.0
2.5°	1437.6	1452.0	1439.2	1440.9	1444.2
5°	1432.7	1450.7	1433.7	1431.9	1441.9
7.5°	1421.6	1438.0	1420.3	1416.2	1425.3
10°	1410.1	1428.1	1408.0	1403.0	1408.0
12.5°	1389.6	1408.4	1392.4	1384.1	1388.3
15°	1361.8	1373.9	1361.8	1353.6	1353.6
17.5°	1328.0	1340.6	1317.9	1312.1	1309.9
20°	1303.4	1314.4	1290.0	1281.7	1278.7
22.5°	1270.5	1280.7	1260.5	1246.4	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	13.3	13.1
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

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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

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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	16.50	17.32	17.49	18.32	19.64	15.42	16.24	16.41	17.24	18.57
	3H	18.16	18.90	19.16	19.91	21.25	16.83	17.57	17.83	18.58	19.92
	4H	18.79	19.49	19.81	20.50	21.85	17.35	18.04	18.36	19.05	20.41
	6H	19.17	19.81	20.20	20.83	22.20	17.66	18.30	18.69	19.32	20.69
	8H	19.31	19.92	20.34	20.95	22.32	17.78	18.39	18.82	19.43	20.79
	12H	19.38	19.95	20.41	20.98	22.37	17.86	18.44	18.89	19.47	20.85
4H	2H	16.90	17.60	17.92	18.61	19.96	16.04	16.74	17.06	17.75	19.11
	3H	18.79	19.37	19.82	20.41	21.78	17.66	18.24	18.69	19.28	20.65
	4H	19.54	20.06	20.57	21.10	22.49	18.26	18.79	19.30	19.83	21.22
	6H	20.04	20.49	21.08	21.55	22.93	18.67	19.13	19.72	20.19	21.57
	8H	20.23	20.65	21.27	21.70	23.10	18.84	19.27	19.89	20.32	21.72
	12H	20.32	20.70	21.39	21.77	23.18	18.95	19.33	20.01	20.39	21.80
8H	4H	19.66	20.09	20.71	21.14	22.54	18.52	18.95	19.57	20.00	21.40
	6H	20.28	20.63	21.35	21.72	23.12	19.05	19.40	20.12	20.49	21.89
	8H	20.55	20.86	21.63	21.94	23.36	19.30	19.61	20.38	20.69	22.10
	12H	20.72	20.99	21.80	22.06	23.52	19.48	19.75	20.56	20.82	22.28
12H	4H	19.63	20.02	20.70	21.08	22.49	18.52	18.91	19.59	19.97	21.38
	6H	20.29	20.60	21.37	21.68	23.10	19.11	19.41	20.18	20.49	21.91
	8H	20.59	20.86	21.67	21.93	23.39	19.39	19.66	20.47	20.73	22.19