

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: P1439227

Luminaire Tested: CB3-085U-030D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439227
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-030D-935-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

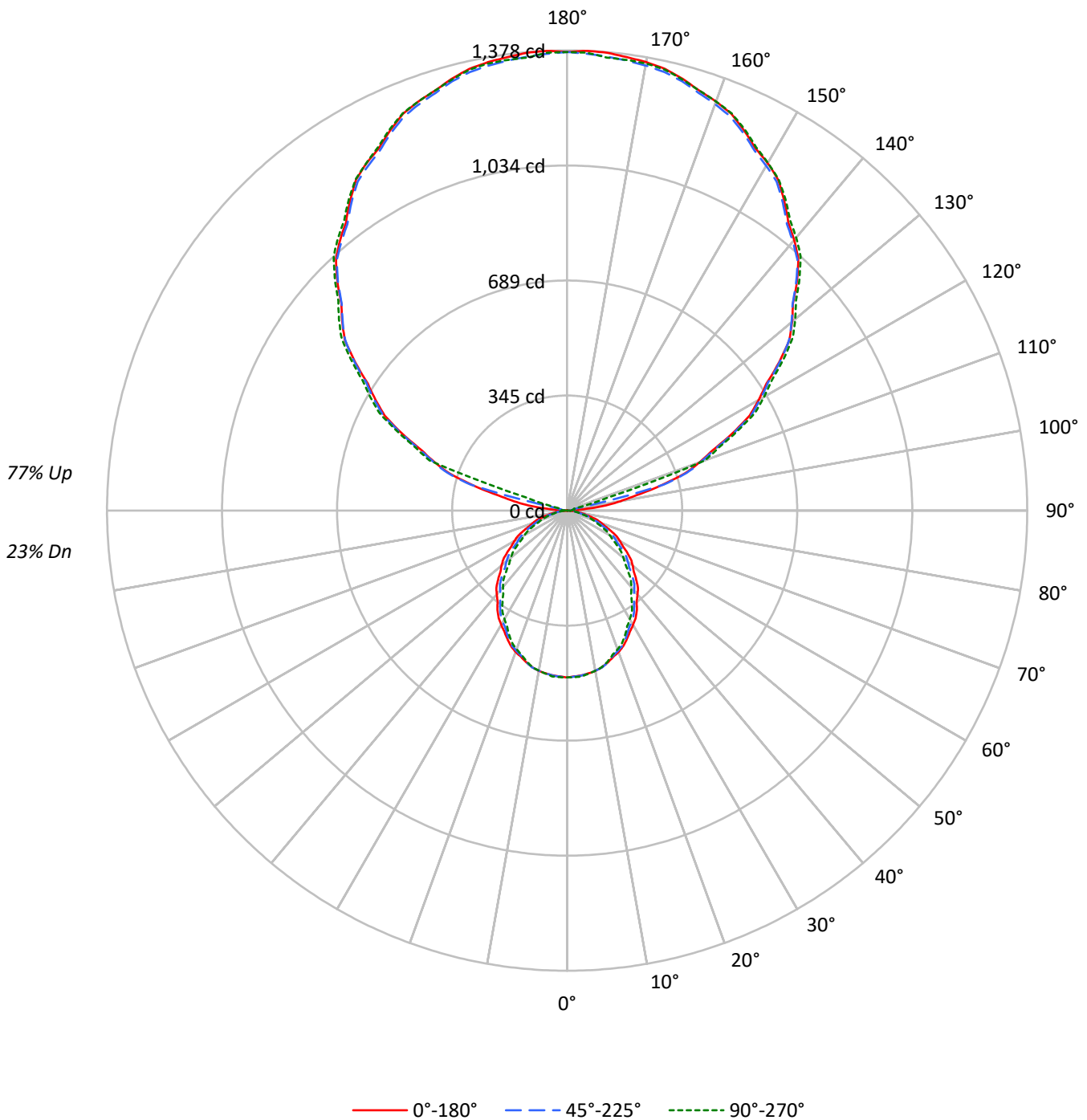
Lumens per Lamp: N/A
Luminaire Lumens: 5248.4 lumens
Efficiency: N/A
Efficacy: 162.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 32.4
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

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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	101	101	101	101	89	89	89	89	68	68	68	49	49	49	31	31	31	23
1	92	88	84	81	81	78	75	72	60	58	56	43	42	41	28	27	26	19
2	84	77	71	66	74	68	63	59	52	49	46	38	36	34	24	23	22	16
3	76	67	60	55	67	60	54	49	46	42	39	33	31	29	22	20	19	14
4	70	59	52	46	62	53	47	42	41	37	33	30	27	25	19	18	16	12
5	64	53	45	39	56	47	41	36	37	32	28	27	24	21	17	16	14	10
6	59	47	40	34	52	42	36	31	33	28	25	24	21	19	16	14	13	9
7	54	42	35	30	48	38	32	27	30	25	22	22	19	16	14	13	11	8
8	50	38	31	26	44	34	28	24	27	22	19	20	17	15	13	11	10	7
9	47	35	28	23	41	31	25	21	25	20	17	18	15	13	12	10	9	7
10	43	32	25	20	38	29	23	19	23	18	15	17	14	12	11	9	8	6

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5653	5653	5653
5°	5627	5630	5663
10°	5602	5593	5593
15°	5516	5516	5482
20°	5427	5370	5323
25°	5290	5223	5130
30°	5159	5026	4905
35°	5024	4837	4666
40°	4843	4613	4413
45°	4679	4412	4140
50°	4510	4172	3873
55°	4326	3941	3620
60°	4128	3702	3333
65°	3895	3430	3031
70°	3626	3110	2699
75°	3287	2732	2404
80°	2867	2287	2124
85°	2207	1934	1934

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4679 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.1	0.9
10°-20°	132.4	2.5
20°-30°	192.4	3.7
30°-40°	218.8	4.2
40°-50°	212.4	4.0
50°-60°	179.3	3.4
60°-70°	127.6	2.4
70°-80°	68.2	1.3
80°-90°	18.0	0.3
90°-100°	31.7	0.6
100°-110°	229.6	4.4
110°-120°	545.9	10.4
120°-130°	697.5	13.3
130°-140°	752.3	14.3
140°-150°	709.2	13.5
150°-160°	578.6	11.0
160°-170°	377.0	7.2
170°-180°	130.3	2.5
0°-30°	372.0	7.1
0°-40°	590.7	11.3
0°-60°	982.4	18.7
0°-90°	1196.2	22.8
90°-120°	807.3	15.4
90°-150°	2966.3	56.5
90°-180°	4052.0	77.2
0°-180°	5248.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	500	500	500	500	500	
5°	495	502	496	495	499	47
15°	471	475	471	468	468	133
25°	424	425	418	413	411	195
35°	364	360	350	340	338	227
45°	292	288	276	262	259	226
55°	219	213	200	187	184	196
65°	146	140	128	117	113	144
75°	75	71	62	56	55	80
85°	17	16	15	15	15	20
90°	0	0	0	1	0	3
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	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	499.6	499.6	499.6	499.6	499.6
2.5°	497.1	502.1	497.6	498.2	499.3
5°	495.4	501.6	495.7	495.1	498.6
7.5°	491.5	497.2	491.1	489.7	492.8
10°	487.6	493.8	486.8	485.1	486.8
12.5°	480.5	487.0	481.5	478.6	480.0
15°	470.9	475.0	470.9	468.0	468.0
17.5°	459.2	463.5	455.7	453.7	452.9
20°	450.7	454.5	446.0	443.2	442.1
22.5°	439.3	442.8	435.8	431.0	429.6
25°	423.7	425.1	418.4	412.6	410.9
27.5°	408.0	408.3	399.1	392.2	389.9
30°	394.9	395.3	384.7	377.2	375.4
32.5°	381.9	380.8	370.7	361.8	360.7
35°	363.7	360.2	350.2	339.9	337.8
37.5°	341.8	339.7	327.9	317.5	314.4
40°	327.9	324.4	312.3	301.9	298.8
42.5°	314.0	309.9	297.5	286.0	282.6
45°	292.4	287.9	275.7	262.5	258.7
47.5°	270.7	265.7	252.4	239.6	235.3
50°	256.2	251.0	237.0	224.5	220.0
52.5°	241.4	236.0	222.0	209.2	205.5
55°	219.3	213.4	199.8	186.9	183.5
57.5°	197.2	191.3	177.8	165.6	161.5
60°	182.4	176.8	163.6	151.4	147.3
62.5°	167.3	162.1	149.1	137.2	133.4
65°	145.5	140.3	128.1	116.7	113.2
67.5°	123.8	119.4	107.4	96.9	94.1
70°	109.6	105.5	94.0	84.4	81.6
72.5°	96.0	91.6	80.7	72.5	70.5
75°	75.2	71.1	62.5	56.0	55.0
77.5°	56.2	52.8	45.3	41.7	41.2
80°	44.0	40.9	35.1	32.6	32.6
82.5°	32.6	30.1	26.3	25.3	25.3
85°	17.0	15.6	14.9	14.9	14.9
87.5°	5.1	5.1	4.8	4.7	4.5
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

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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	9.85	10.50	11.01	11.65	13.26	8.77	9.43	9.93	10.57	12.19
	3H	11.50	12.09	12.67	13.24	14.87	10.17	10.75	11.34	11.91	13.54
	4H	12.12	12.68	13.30	13.83	15.47	10.68	11.23	11.85	12.39	14.02
	6H	12.49	13.01	13.68	14.16	15.81	10.98	11.50	12.17	12.65	14.30
	8H	12.62	13.11	13.81	14.28	15.92	11.10	11.59	12.29	12.76	14.39
	12H	12.68	13.15	13.88	14.31	15.97	11.17	11.63	12.36	12.80	14.45
4H	2H	10.23	10.79	11.42	11.94	13.58	9.37	9.93	10.56	11.08	12.72
	3H	12.10	12.57	13.29	13.75	15.39	10.97	11.44	12.16	12.62	14.26
	4H	12.84	13.27	14.03	14.44	16.10	11.57	12.00	12.76	13.17	14.83
	6H	13.33	13.70	14.53	14.89	16.54	11.97	12.34	13.17	13.53	15.18
	8H	13.52	13.86	14.71	15.04	16.71	12.14	12.48	13.33	13.66	15.33
	12H	13.61	13.92	14.82	15.11	16.78	12.23	12.54	13.44	13.73	15.41
8H	4H	12.95	13.30	14.15	14.48	16.15	11.82	12.16	13.01	13.34	15.01
	6H	13.57	13.85	14.78	15.07	16.74	12.34	12.62	13.55	13.84	15.51
	8H	13.84	14.08	15.06	15.29	16.97	12.59	12.83	13.80	14.03	15.72
	12H	13.99	14.21	15.21	15.41	17.12	12.75	12.97	13.97	14.17	15.88
12H	4H	12.92	13.23	14.13	14.42	16.09	11.81	12.12	13.02	13.31	14.98
	6H	13.58	13.83	14.80	15.03	16.71	12.39	12.64	13.61	13.84	15.52
	8H	13.87	14.09	15.09	15.28	17.00	12.66	12.88	13.88	14.08	15.79