

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: P1439561

Luminaire Tested: CB3-D-085U-030D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439561
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-030D-927-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

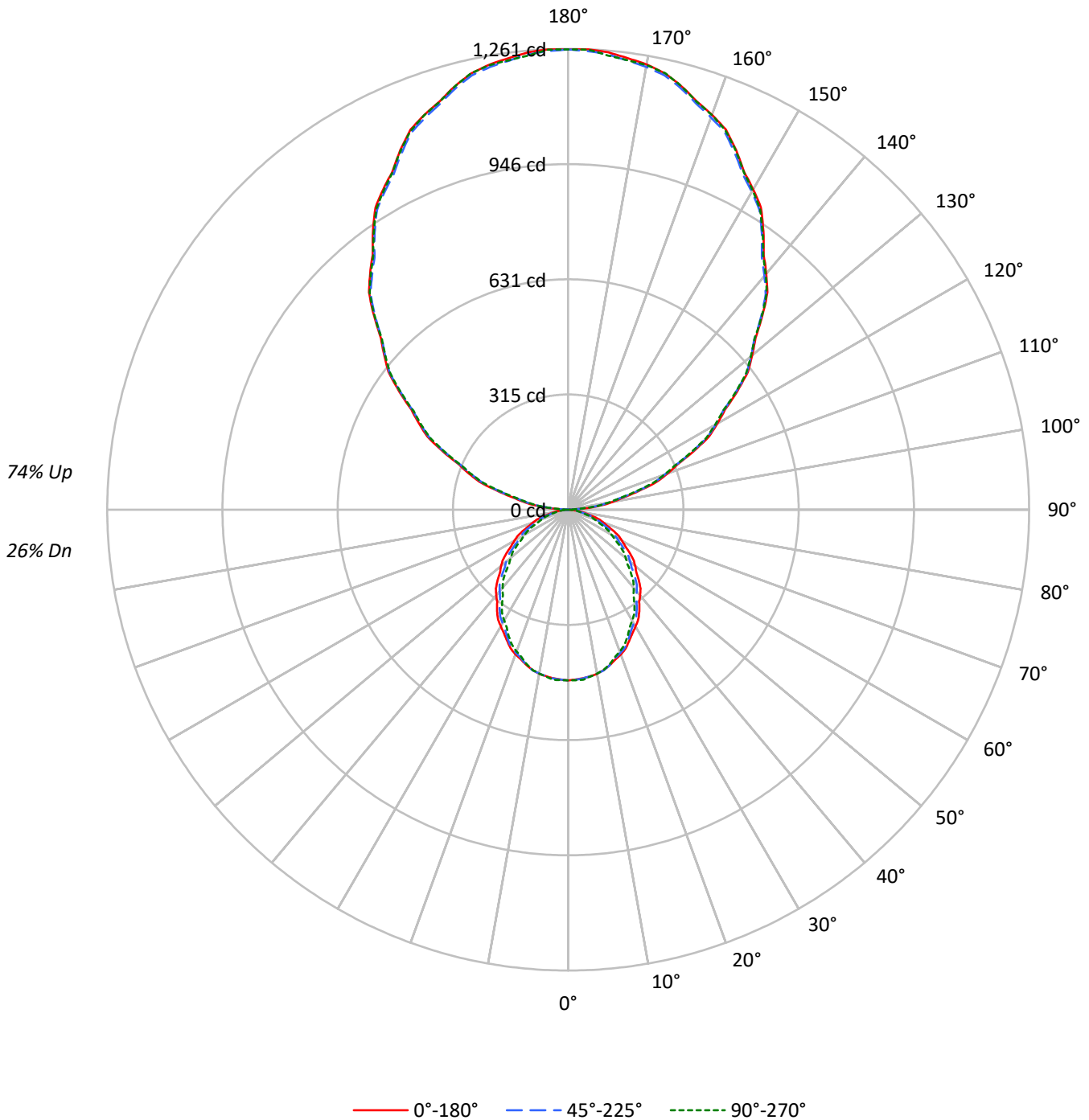
Lumens per Lamp: N/A
Luminaire Lumens: 4362.5 lumens
Efficiency: N/A
Efficacy: 134.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 32.4
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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	92	88	85	81	82	79	76	73	61	59	57	45	44	42	30	29	29	22
2	84	77	71	66	75	69	64	60	54	50	47	39	37	36	26	25	24	18
3	77	68	61	55	68	61	55	50	47	43	40	35	32	30	23	22	21	16
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	19	18	14
5	64	53	46	40	57	48	41	36	38	33	29	28	25	22	19	17	16	12
6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14	10
7	55	43	35	30	49	39	32	27	30	26	22	23	20	17	16	14	12	9
8	51	39	31	26	45	35	29	24	28	23	20	21	18	15	14	12	11	8
9	47	35	28	23	42	32	26	21	25	21	17	19	16	14	13	11	10	8
10	44	32	25	21	39	29	23	19	23	19	16	18	14	12	12	10	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5286	5286	5286
5°	5262	5265	5306
10°	5239	5231	5231
15°	5159	5159	5128
20°	5075	5023	4968
25°	4936	4874	4788
30°	4816	4690	4578
35°	4688	4515	4355
40°	4520	4304	4118
45°	4367	4117	3863
50°	4209	3894	3614
55°	4038	3677	3377
60°	3851	3455	3109
65°	3636	3199	2827
70°	3384	2905	2521
75°	3069	2549	2243
80°	2678	2137	1987
85°	2064	1805	1805

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4367 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.1	1.0
10°-20°	123.9	2.8
20°-30°	179.7	4.1
30°-40°	204.2	4.7
40°-50°	198.2	4.5
50°-60°	167.3	3.8
60°-70°	119.1	2.7
70°-80°	63.6	1.5
80°-90°	16.8	0.4
90°-100°	53.2	1.2
100°-110°	208.2	4.8
110°-120°	371.1	8.5
120°-130°	502.2	11.5
130°-140°	577.3	13.2
140°-150°	579.3	13.3
150°-160°	498.2	11.4
160°-170°	337.2	7.7
170°-180°	118.9	2.7
0°-30°	347.6	8.0
0°-40°	551.8	12.6
0°-60°	917.3	21.0
0°-90°	1116.8	25.6
90°-120°	632.5	14.5
90°-150°	2291.3	52.5
90°-180°	3246.0	74.4
0°-180°	4362.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	467	467	467	467	467	
5°	463	469	464	463	467	44
15°	440	444	440	438	438	124
25°	395	397	390	385	384	182
35°	339	336	327	317	315	212
45°	273	269	257	245	241	210
55°	205	199	186	174	171	183
65°	136	131	120	109	106	134
75°	70	66	58	52	51	75
85°	16	15	14	14	14	19
90°	0	0	0	0	0	3
95°	51	46	42	39	40	58
105°	202	201	194	191	189	215
115°	378	380	372	371	370	375
125°	564	570	559	557	558	504
135°	751	759	746	741	748	579
145°	931	938	923	918	927	582
155°	1086	1096	1078	1073	1084	500
165°	1199	1210	1194	1187	1199	338
175°	1256	1268	1250	1243	1248	119
180°	1259	1259	1259	1259	1259	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	467.2	467.2	467.2	467.2	467.2
2.5°	464.9	469.5	465.4	465.9	467.0
5°	463.3	469.1	463.6	463.0	467.2
7.5°	459.7	465.0	459.3	458.0	460.9
10°	456.0	461.8	455.3	453.7	455.3
12.5°	449.4	455.4	450.3	447.6	449.0
15°	440.4	444.3	440.4	437.8	437.8
17.5°	429.5	433.6	426.2	424.4	423.5
20°	421.5	425.1	417.2	414.5	412.6
22.5°	410.9	414.2	407.7	402.4	401.0
25°	395.4	396.7	390.4	385.1	383.5
27.5°	380.8	381.1	372.5	366.0	363.9
30°	368.6	368.9	359.0	352.0	350.4
32.5°	356.4	355.4	346.0	337.7	336.6
35°	339.4	336.2	326.9	317.2	315.3
37.5°	319.0	317.0	306.0	296.3	293.4
40°	306.0	302.8	291.4	281.8	278.8
42.5°	293.0	289.3	277.6	266.9	263.7
45°	272.9	268.7	257.3	245.0	241.4
47.5°	252.6	248.0	235.5	223.6	219.6
50°	239.1	234.2	221.2	209.5	205.3
52.5°	225.3	220.2	207.2	195.2	191.8
55°	204.7	199.2	186.4	174.4	171.2
57.5°	184.0	178.6	165.9	154.6	150.7
60°	170.2	165.0	152.7	141.3	137.4
62.5°	156.2	151.3	139.2	128.1	124.4
65°	135.8	130.9	119.5	108.9	105.6
67.5°	115.6	111.4	100.2	90.4	87.8
70°	102.3	98.4	87.8	78.8	76.2
72.5°	89.6	85.5	75.3	67.6	65.8
75°	70.2	66.3	58.3	52.3	51.3
77.5°	52.5	49.3	42.3	38.9	38.4
80°	41.1	38.1	32.8	30.5	30.5
82.5°	30.5	28.1	24.6	23.6	23.6
85°	15.9	14.6	13.9	13.9	13.9
87.5°	4.8	4.8	4.5	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	13.9	12.4	7.7	6.2	6.2
95°	51.2	46.5	41.5	38.6	39.6
97.5°	94.4	89.9	83.8	80.9	81.7
100°	124.6	120.8	113.9	111.0	111.0
102.5°	153.9	151.7	144.8	142.0	142.7
105°	201.8	200.9	194.1	191.2	189.3
107.5°	254.7	253.0	245.5	245.2	243.5
110°	288.7	287.8	281.0	280.0	279.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	323.5	324.8	317.3	316.3	315.4
115°	378.5	380.4	371.8	370.8	369.8
117.5°	434.9	437.6	428.4	427.4	425.7
120°	471.2	476.9	465.4	464.5	463.5
122.5°	508.3	513.2	502.5	500.8	500.6
125°	563.9	570.5	559.1	557.2	558.1
127.5°	619.6	626.4	615.7	611.9	614.0
130°	656.6	664.2	652.8	649.0	651.8
132.5°	694.5	702.0	690.6	686.9	691.2
135°	751.3	758.8	746.4	740.8	748.4
137.5°	806.7	813.3	799.7	795.9	803.8
140°	843.0	849.6	835.3	830.7	840.1
142.5°	878.5	885.9	870.0	865.4	875.6
145°	930.9	938.4	923.2	918.5	927.0
147.5°	981.1	988.8	973.4	968.0	976.6
150°	1012.0	1020.5	1004.3	999.7	1009.1
152.5°	1042.1	1051.4	1034.4	1029.1	1040.8
155°	1086.3	1095.8	1077.7	1073.1	1084.4
157.5°	1126.1	1134.8	1118.4	1113.8	1123.6
160°	1150.1	1159.5	1142.4	1137.8	1149.1
162.5°	1170.9	1180.4	1164.8	1158.6	1170.0
165°	1199.3	1209.7	1193.5	1187.0	1199.3
167.5°	1223.1	1234.2	1217.1	1211.2	1223.5
170°	1237.0	1247.4	1230.2	1222.8	1235.1
172.5°	1246.3	1256.6	1239.5	1232.0	1240.5
175°	1256.3	1267.6	1250.5	1242.9	1247.6
177.5°	1260.7	1269.8	1256.1	1249.4	1260.0
180°	1259.2	1259.2	1259.2	1259.2	1259.2



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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	10.07	10.74	11.21	11.87	13.46	8.99	9.66	10.13	10.79	12.38
	3H	11.72	12.32	12.87	13.46	15.06	10.39	10.99	11.54	12.13	13.73
	4H	12.34	12.91	13.50	14.05	15.66	10.90	11.47	12.06	12.61	14.21
	6H	12.72	13.24	13.88	14.39	16.00	11.20	11.73	12.37	12.87	14.49
	8H	12.85	13.35	14.02	14.51	16.11	11.32	11.82	12.49	12.98	14.59
	12H	12.91	13.38	14.08	14.54	16.16	11.39	11.87	12.57	13.02	14.65
4H	2H	10.45	11.02	11.62	12.16	13.77	9.59	10.17	10.76	11.31	12.91
	3H	12.32	12.80	13.50	13.97	15.58	11.20	11.67	12.37	12.84	14.45
	4H	13.07	13.50	14.24	14.66	16.29	11.79	12.23	12.97	13.39	15.02
	6H	13.56	13.93	14.74	15.11	16.73	12.20	12.57	13.37	13.75	15.37
	8H	13.74	14.09	14.92	15.26	16.90	12.36	12.71	13.54	13.88	15.52
	12H	13.83	14.15	15.03	15.33	16.97	12.46	12.78	13.65	13.95	15.60
8H	4H	13.18	13.53	14.36	14.70	16.34	12.04	12.39	13.22	13.56	15.20
	6H	13.79	14.08	14.99	15.29	16.93	12.56	12.85	13.76	14.06	15.70
	8H	14.07	14.32	15.27	15.50	17.16	12.81	13.06	14.02	14.25	15.91
	12H	14.22	14.44	15.43	15.63	17.32	12.98	13.20	14.19	14.39	16.08
12H	4H	13.14	13.46	14.34	14.64	16.28	12.03	12.35	13.23	13.53	15.17
	6H	13.81	14.06	15.01	15.25	16.90	12.62	12.87	13.82	14.06	15.71
	8H	14.10	14.32	15.30	15.50	17.19	12.89	13.11	14.10	14.30	15.99