

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: P1439041

Luminaire Tested: CB2-D-085U-030D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439041
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-13, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-D-085U-030D-927-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

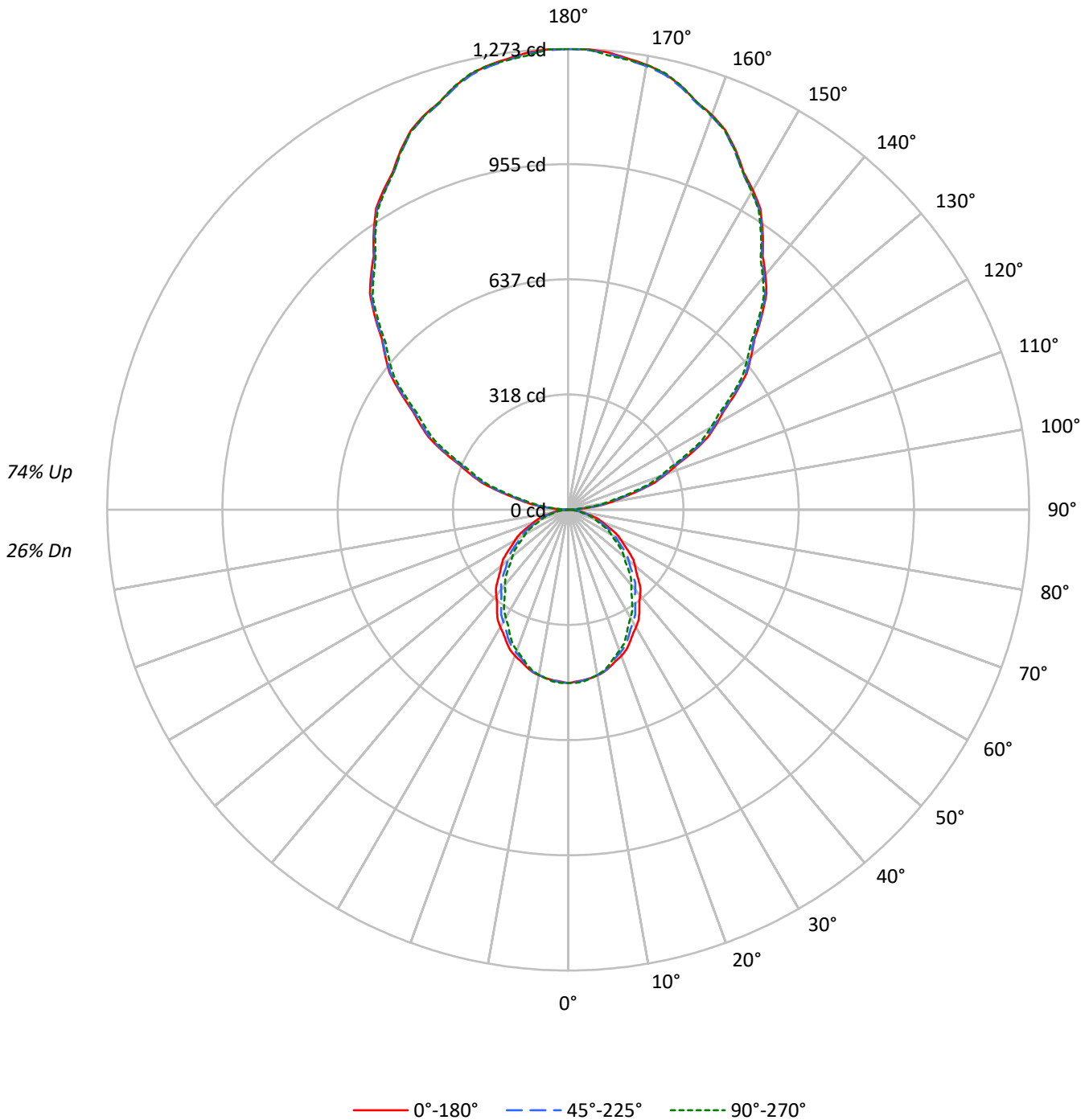
Lumens per Lamp: N/A
Luminaire Lumens: 4362.6 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.23
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 34.1
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										
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	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	20	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°	8339	8339	8339
5°	8268	8280	8338
10°	8220	8201	8196
15°	8091	8039	7972
20°	7963	7787	7677
25°	7749	7531	7320
30°	7534	7202	6931
35°	7289	6868	6540
40°	7026	6550	6168
45°	6764	6222	5806
50°	6525	5899	5455
55°	6234	5566	5120
60°	5901	5250	4790
65°	5543	4896	4455
70°	5154	4497	4033
75°	4690	4071	3654
80°	4193	3571	3310
85°	3217	2938	2418

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6764 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.0	1.0
10°-20°	125.5	2.9
20°-30°	180.4	4.1
30°-40°	202.8	4.6
40°-50°	195.9	4.5
50°-60°	165.5	3.8
60°-70°	118.9	2.7
70°-80°	65.0	1.5
80°-90°	17.3	0.4
90°-100°	49.2	1.1
100°-110°	202.8	4.6
110°-120°	368.2	8.4
120°-130°	501.0	11.5
130°-140°	578.3	13.3
140°-150°	582.8	13.4
150°-160°	502.9	11.5
160°-170°	340.8	7.8
170°-180°	120.2	2.8
0°-30°	351.0	8.0
0°-40°	553.8	12.7
0°-60°	915.2	21.0
0°-90°	1116.5	25.6
90°-120°	620.1	14.2
90°-150°	2282.1	52.3
90°-180°	3246.0	74.4
0°-180°	4362.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	479	479	479	479	479	
5°	473	479	474	474	477	45
15°	449	453	446	441	442	126
25°	403	404	392	383	381	186
35°	343	339	323	310	308	214
45°	275	269	253	239	236	212
55°	205	198	183	172	169	184
65°	134	130	119	110	108	133
75°	70	65	60	56	54	75
85°	16	15	15	13	12	19
90°	0	0	1	0	1	2
95°	48	42	40	31	31	55
105°	201	198	193	182	180	213
115°	381	380	373	362	361	376
125°	567	573	561	549	550	506
135°	756	764	752	738	743	582
145°	936	947	932	922	928	585
155°	1095	1106	1090	1083	1092	504
165°	1210	1223	1207	1201	1211	341
175°	1268	1282	1265	1257	1260	120
180°	1273	1273	1273	1273	1273	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	478.8	478.8	478.8	478.8	478.8
2.5°	475.5	481.3	477.0	477.6	478.5
5°	472.9	479.3	473.6	473.7	476.9
7.5°	469.5	475.6	468.4	467.1	470.1
10°	464.8	470.9	463.7	461.2	463.4
12.5°	458.7	464.5	457.6	453.6	455.4
15°	448.7	452.6	445.8	441.4	442.1
17.5°	437.8	440.3	430.4	426.7	426.0
20°	429.6	431.8	420.1	415.0	414.2
22.5°	419.1	420.9	408.7	402.3	401.3
25°	403.2	403.6	391.9	383.0	380.9
27.5°	386.7	385.5	372.5	362.0	359.2
30°	374.6	373.2	358.1	347.1	344.6
32.5°	361.7	359.2	344.1	332.1	329.6
35°	342.8	338.8	323.0	310.4	307.6
37.5°	322.5	318.1	302.5	288.9	285.6
40°	309.0	304.0	288.1	274.5	271.3
42.5°	295.5	289.9	273.8	260.1	256.6
45°	274.6	268.8	252.6	239.3	235.7
47.5°	254.6	247.3	231.5	218.3	214.7
50°	240.8	233.0	217.7	204.8	201.3
52.5°	226.8	218.6	204.0	191.6	188.1
55°	205.3	197.8	183.3	171.9	168.6
57.5°	184.0	176.8	163.6	152.6	149.5
60°	169.4	163.3	150.7	140.3	137.5
62.5°	155.3	149.8	137.8	128.3	125.4
65°	134.5	129.5	118.8	110.3	108.1
67.5°	114.4	109.4	100.7	93.1	90.6
70°	101.2	96.2	88.3	81.3	79.2
72.5°	88.6	83.3	76.9	70.5	68.9
75°	69.7	65.3	60.5	55.7	54.3
77.5°	52.9	48.8	45.2	41.9	41.5
80°	41.8	38.2	35.6	33.4	33.0
82.5°	31.2	28.5	26.8	25.1	25.1
85°	16.1	15.1	14.7	12.8	12.1
87.5°	4.7	4.7	4.3	3.5	3.7
90°	0.0	0.0	1.0	0.0	1.0
92.5°	11.9	10.4	9.7	6.4	7.3
95°	47.7	41.8	39.7	30.8	30.8
97.5°	90.0	84.1	81.0	71.8	69.9
100°	120.1	114.3	111.2	101.2	99.3
102.5°	151.1	148.4	143.0	132.2	130.3
105°	200.6	197.6	192.6	181.6	179.7
107.5°	251.4	252.0	244.4	235.4	232.7
110°	287.9	287.0	281.0	272.0	270.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	325.3	323.5	317.5	308.5	306.6
115°	381.3	380.3	373.3	362.4	361.4
117.5°	434.5	437.6	429.3	417.8	417.4
120°	472.6	476.5	466.6	456.7	454.7
122.5°	509.9	514.6	504.8	493.3	493.6
125°	566.9	572.7	561.0	549.1	550.0
127.5°	621.9	629.1	618.2	606.1	607.2
130°	659.3	668.0	656.3	643.4	645.4
132.5°	697.4	706.1	694.4	680.8	684.3
135°	755.6	764.3	751.6	737.8	742.7
137.5°	810.4	819.1	805.2	793.6	799.4
140°	846.9	855.6	840.9	830.2	836.0
142.5°	882.6	892.9	877.5	865.9	873.3
145°	936.3	946.9	932.3	921.5	928.3
147.5°	987.1	997.8	982.9	972.6	979.5
150°	1019.7	1030.3	1014.7	1005.9	1013.7
152.5°	1049.8	1062.1	1045.7	1037.0	1047.1
155°	1095.1	1105.8	1090.2	1083.4	1092.1
157.5°	1134.4	1146.9	1131.3	1125.5	1132.4
160°	1160.6	1172.3	1156.7	1150.9	1158.7
162.5°	1180.5	1192.9	1178.1	1171.6	1180.9
165°	1210.3	1222.9	1207.3	1200.6	1211.3
167.5°	1233.7	1247.1	1231.3	1224.4	1235.3
170°	1248.0	1260.6	1244.0	1236.4	1248.0
172.5°	1257.5	1270.9	1253.6	1245.8	1253.6
175°	1267.9	1281.5	1264.9	1257.0	1259.9
177.5°	1272.8	1283.7	1270.5	1263.5	1272.8
180°	1272.8	1272.8	1272.8	1272.8	1272.8

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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	11.51	12.18	12.65	13.31	14.90	10.41	11.08	11.55	12.21	13.80
	3H	13.14	13.74	14.29	14.88	16.48	11.92	12.52	13.07	13.66	15.26
	4H	13.76	14.33	14.92	15.47	17.08	12.49	13.06	13.65	14.20	15.80
	6H	14.15	14.68	15.32	15.82	17.44	12.85	13.38	14.02	14.52	16.13
	8H	14.30	14.80	15.47	15.95	17.56	12.98	13.48	14.15	14.64	16.25
	12H	14.36	14.84	15.54	15.99	17.62	13.04	13.52	14.21	14.67	16.29
4H	2H	11.90	12.47	13.06	13.61	15.21	11.02	11.59	12.19	12.73	14.33
	3H	13.75	14.23	14.92	15.39	17.01	12.74	13.21	13.91	14.38	15.99
	4H	14.49	14.93	15.66	16.08	17.71	13.40	13.84	14.58	15.00	16.63
	6H	15.00	15.37	16.17	16.55	18.17	13.87	14.24	15.05	15.42	17.04
	8H	15.20	15.55	16.37	16.71	18.35	14.06	14.41	15.23	15.57	17.21
	12H	15.29	15.61	16.49	16.79	18.43	14.13	14.45	15.33	15.63	17.28
8H	4H	14.63	14.98	15.81	16.15	17.79	13.66	14.01	14.84	15.18	16.82
	6H	15.26	15.55	16.46	16.76	18.40	14.26	14.55	15.46	15.76	17.40
	8H	15.55	15.80	16.75	16.99	18.65	14.53	14.79	15.74	15.97	17.63
	12H	15.72	15.94	16.92	17.12	18.81	14.67	14.90	15.88	16.08	17.77
12H	4H	14.60	14.92	15.79	16.10	17.74	13.66	13.98	14.85	15.15	16.80
	6H	15.29	15.54	16.49	16.73	18.39	14.32	14.57	15.52	15.76	17.42
	8H	15.60	15.82	16.80	17.00	18.69	14.62	14.84	15.83	16.03	17.71