

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: P1439235

Luminaire Tested: CB3-085U-055D-840-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439235
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-055D-840-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

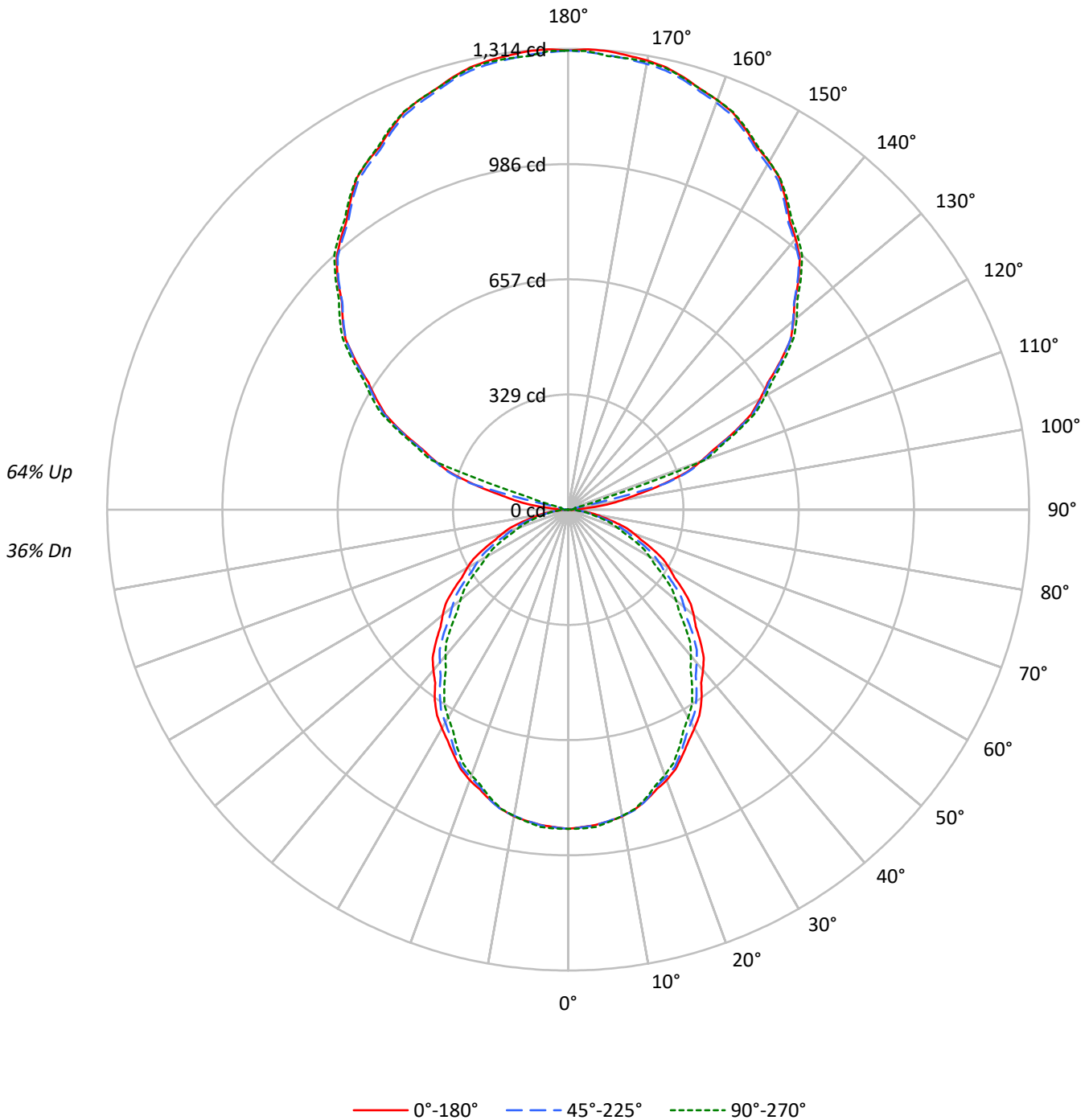
Lumens per Lamp: N/A
Luminaire Lumens: 6043.1 lumens
Efficiency: N/A
Efficacy: 149.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 40.4
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	104	104	104	104	94	94	94	94	76	76	76	59	59	59	43	43	43	36
1	95	91	87	83	86	82	79	76	66	64	62	52	50	49	38	38	37	31
2	86	79	73	68	78	72	67	63	58	55	52	46	43	41	34	33	31	26
3	79	70	63	57	71	63	57	52	51	47	44	40	37	35	30	28	27	22
4	72	62	54	48	65	56	50	44	46	41	37	36	33	30	27	25	23	19
5	66	55	47	41	60	50	43	38	41	36	32	32	29	26	24	22	20	17
6	61	49	41	36	55	45	38	33	37	32	28	29	26	23	22	20	18	15
7	56	44	37	31	51	41	34	29	33	28	25	27	23	20	20	18	16	13
8	52	40	33	28	47	37	30	26	30	25	22	24	21	18	19	16	14	12
9	49	37	29	24	44	34	27	23	28	23	19	22	19	16	17	15	13	11
10	45	34	27	22	41	31	25	20	26	21	17	21	17	15	16	13	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10297	10297	10297
5°	10249	10256	10315
10°	10205	10190	10190
15°	10048	10048	9987
20°	9884	9783	9698
25°	9635	9514	9344
30°	9400	9155	8935
35°	9152	8812	8500
40°	8822	8401	8039
45°	8522	8037	7540
50°	8215	7601	7055
55°	7881	7178	6593
60°	7520	6743	6071
65°	7095	6249	5521
70°	6606	5667	4919
75°	5989	4975	4380
80°	5226	4170	3877
85°	4024	3518	3518

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8522 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.9	1.4
10°-20°	241.3	4.0
20°-30°	350.5	5.8
30°-40°	398.5	6.6
40°-50°	386.9	6.4
50°-60°	326.6	5.4
60°-70°	232.4	3.8
70°-80°	124.2	2.1
80°-90°	32.8	0.5
90°-100°	30.2	0.5
100°-110°	219.0	3.6
110°-120°	520.6	8.6
120°-130°	665.1	11.0
130°-140°	717.4	11.9
140°-150°	676.3	11.2
150°-160°	551.7	9.1
160°-170°	359.5	5.9
170°-180°	124.3	2.1
0°-30°	677.6	11.2
0°-40°	1076.2	17.8
0°-60°	1789.7	29.6
0°-90°	2179.0	36.1
90°-120°	769.8	12.7
90°-150°	2828.6	46.8
90°-180°	3864.0	63.9
0°-180°	6043.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	910	910	910	910	910	
5°	902	914	903	902	908	86
15°	858	865	858	853	853	242
25°	772	774	762	752	748	356
35°	663	656	638	619	615	413
45°	533	524	502	478	471	411
55°	400	389	364	340	334	357
65°	265	256	233	212	206	262
75°	137	130	114	102	100	146
85°	31	28	27	27	27	37
90°	0	0	0	1	0	3
95°	55	10	13	14	14	68
105°	277	281	285	21	22	292
115°	520	524	525	533	536	513
125°	739	744	742	750	755	660
135°	928	933	926	932	938	715
145°	1080	1087	1074	1080	1086	676
155°	1197	1206	1190	1193	1201	552
165°	1276	1282	1269	1265	1274	360
175°	1312	1319	1301	1295	1298	125
180°	1309	1309	1309	1309	1309	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	910.1	910.1	910.1	910.1	910.1
2.5°	905.5	914.6	906.5	907.6	909.6
5°	902.4	913.8	903.0	901.9	908.2
7.5°	895.4	905.8	894.6	892.0	897.7
10°	888.2	899.5	886.9	883.7	886.9
12.5°	875.2	887.1	877.1	871.8	874.5
15°	857.8	865.4	857.8	852.6	852.6
17.5°	836.5	844.4	830.1	826.5	825.1
20°	820.9	827.9	812.5	807.3	805.4
22.5°	800.3	806.7	793.9	785.1	782.7
25°	771.8	774.3	762.1	751.7	748.5
27.5°	743.2	743.9	727.1	714.4	710.3
30°	719.5	720.1	700.7	687.1	683.9
32.5°	695.7	693.8	675.4	659.2	657.0
35°	662.6	656.3	638.0	619.2	615.4
37.5°	622.6	618.8	597.3	578.4	572.7
40°	597.3	591.0	568.8	550.0	544.3
42.5°	571.9	564.6	542.0	521.0	514.8
45°	532.6	524.4	502.3	478.2	471.2
47.5°	493.1	484.1	459.7	436.4	428.7
50°	466.7	457.2	431.8	409.0	400.8
52.5°	439.8	429.8	404.4	381.1	374.4
55°	399.5	388.7	363.9	340.5	334.2
57.5°	359.1	348.5	323.9	301.7	294.1
60°	332.3	322.1	298.0	275.8	268.3
62.5°	304.8	295.2	271.6	250.0	242.9
65°	265.0	255.5	233.4	212.5	206.2
67.5°	225.6	217.5	195.6	176.5	171.4
70°	199.7	192.2	171.3	153.7	148.7
72.5°	174.9	166.8	147.0	132.0	128.5
75°	137.0	129.5	113.8	102.1	100.2
77.5°	102.4	96.2	82.6	76.0	75.0
80°	80.2	74.5	64.0	59.5	59.5
82.5°	59.5	54.8	48.0	46.0	46.0
85°	31.0	28.5	27.1	27.1	27.1
87.5°	9.3	9.3	8.8	8.5	8.3
90°	0.0	0.0	0.0	1.0	0.0
92.5°	15.0	5.7	4.7	5.7	5.5
95°	55.3	9.9	12.8	13.8	13.8
97.5°	111.3	109.2	15.0	18.0	18.2
100°	153.9	158.7	15.8	18.8	19.7
102.5°	201.3	205.3	29.2	19.6	20.5
105°	277.3	281.1	285.1	20.7	21.7
107.5°	352.8	355.7	358.4	322.6	120.8
110°	402.6	405.5	406.5	416.4	418.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	449.1	452.8	454.7	463.0	466.5
115°	520.0	523.8	524.9	532.9	535.8
117.5°	587.3	591.3	593.2	599.6	604.2
120°	631.5	636.3	637.4	645.4	649.2
122.5°	674.9	680.5	680.0	687.2	692.6
125°	739.0	743.8	742.0	750.0	754.8
127.5°	800.0	802.9	798.8	808.6	812.6
130°	838.7	841.6	836.7	845.7	850.5
132.5°	874.2	878.6	873.0	881.2	886.0
135°	928.5	933.3	925.5	932.5	938.3
137.5°	976.8	982.6	973.3	981.5	986.5
140°	1008.4	1014.2	1002.5	1011.5	1017.3
142.5°	1037.6	1044.9	1030.9	1039.1	1045.7
145°	1080.4	1087.2	1073.5	1080.5	1086.3
147.5°	1121.1	1126.8	1113.8	1118.8	1122.8
150°	1145.5	1151.3	1136.6	1141.7	1146.5
152.5°	1165.3	1173.4	1158.7	1162.3	1169.4
155°	1196.8	1206.5	1189.9	1193.1	1200.8
157.5°	1225.8	1234.5	1217.9	1220.7	1227.4
160°	1243.2	1251.9	1235.3	1236.4	1243.2
162.5°	1256.6	1264.5	1250.3	1248.3	1256.6
165°	1275.8	1282.5	1268.9	1265.1	1273.8
167.5°	1291.7	1299.5	1282.7	1279.5	1289.4
170°	1300.4	1308.1	1290.6	1285.9	1296.5
172.5°	1306.0	1312.9	1296.1	1289.8	1298.1
175°	1312.3	1319.0	1301.4	1294.6	1298.5
177.5°	1314.0	1319.4	1305.4	1299.3	1308.5
180°	1309.3	1309.3	1309.3	1309.3	1309.3



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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	13.80	14.54	14.87	15.61	17.07	12.72	13.46	13.79	14.53	15.99
	3H	15.46	16.12	16.54	17.20	18.68	14.13	14.79	15.21	15.87	17.35
	4H	16.08	16.71	17.17	17.79	19.28	14.64	15.27	15.73	16.35	17.83
	6H	16.46	17.04	17.56	18.13	19.62	14.95	15.53	16.05	16.61	18.11
	8H	16.60	17.15	17.70	18.25	19.74	15.07	15.62	16.17	16.72	18.21
	12H	16.66	17.18	17.77	18.28	19.79	15.14	15.66	16.25	16.76	18.27
4H	2H	14.19	14.82	15.29	15.90	17.39	13.34	13.97	14.43	15.05	16.53
	3H	16.07	16.60	17.18	17.70	19.20	14.94	15.47	16.05	16.58	18.07
	4H	16.82	17.30	17.93	18.40	19.91	15.55	16.03	16.65	17.12	18.64
	6H	17.31	17.73	18.43	18.85	20.35	15.95	16.36	17.07	17.48	18.99
	8H	17.50	17.89	18.62	19.00	20.52	16.12	16.50	17.23	17.62	19.14
	12H	17.59	17.94	18.73	19.07	20.60	16.22	16.57	17.35	17.69	19.22
8H	4H	16.94	17.32	18.05	18.43	19.96	15.80	16.18	16.91	17.30	18.82
	6H	17.55	17.87	18.69	19.02	20.55	16.32	16.64	17.46	17.79	19.32
	8H	17.83	18.10	18.97	19.24	20.78	16.57	16.85	17.72	17.99	19.53
	12H	17.98	18.23	19.13	19.36	20.94	16.74	16.99	17.89	18.12	19.70
12H	4H	16.90	17.25	18.04	18.38	19.91	15.79	16.14	16.93	17.27	18.80
	6H	17.57	17.85	18.71	18.98	20.52	16.38	16.66	17.52	17.79	19.33
	8H	17.86	18.11	19.01	19.24	20.81	16.65	16.90	17.80	18.03	19.61