

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: P1439513

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

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439513  
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-030U-085D-927-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 2700K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

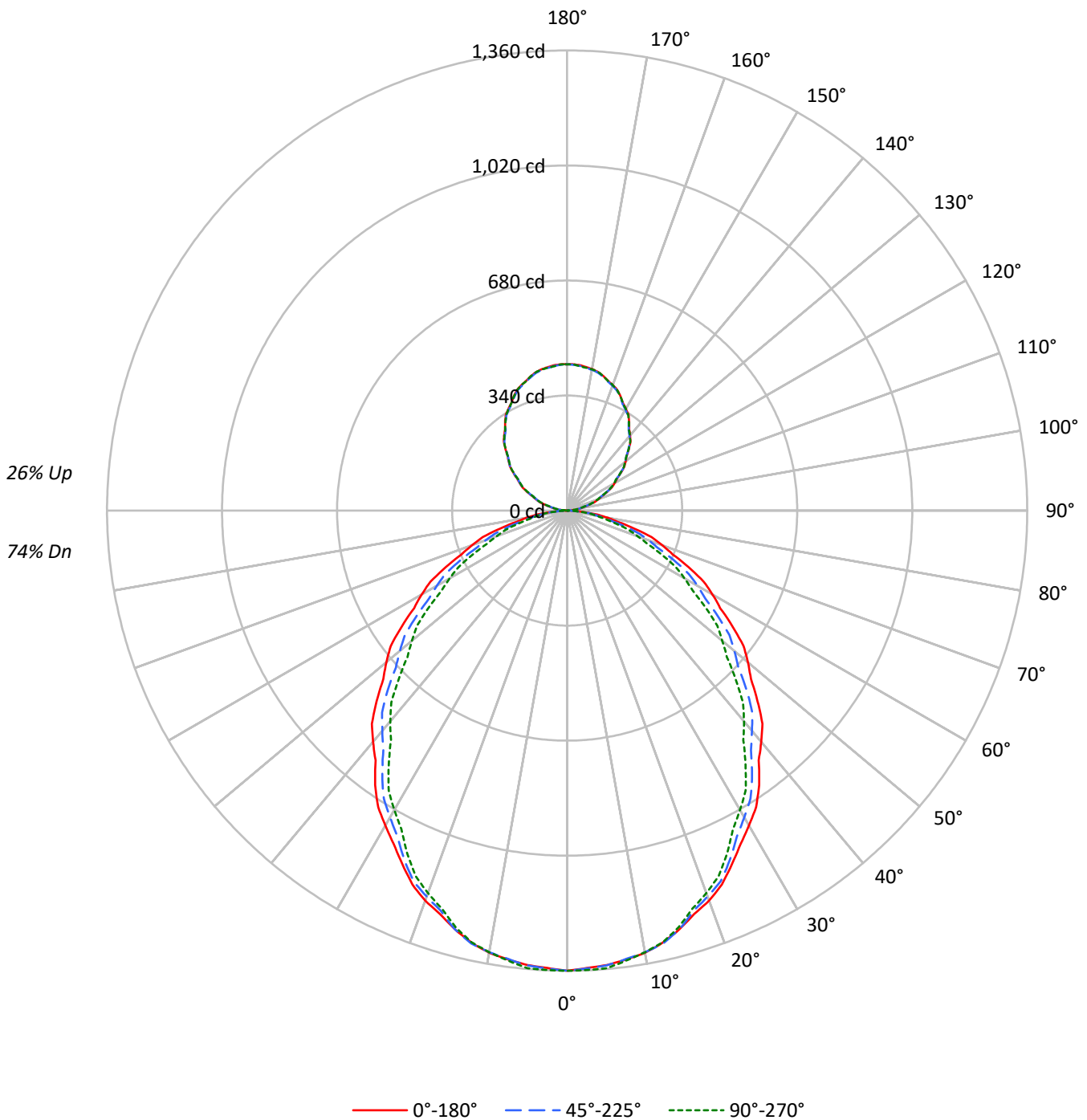
Lumens per Lamp: N/A  
Luminaire Lumens: 4369.5 lumens  
Efficiency: N/A  
Efficacy: 129.3 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 33.8  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	113	113	113	113	107	107	107	107	97	97	97	87	87	87	79	79	79	79	79	79	79	79	79	74														
1	104	99	95	92	98	94	91	88	86	83	80	77	75	74	70	68	67	67	67	67	67	67	67	63														
2	95	87	81	75	90	83	77	73	75	71	67	68	65	62	62	59	57	57	57	57	57	57	57	53														
3	86	77	69	63	82	73	66	61	67	61	57	61	56	53	55	52	49	49	49	49	49	49	49	46														
4	79	68	60	54	75	65	58	52	60	53	49	54	49	45	49	45	42	42	42	42	42	42	42	39														
5	73	61	53	47	69	58	51	45	54	47	42	49	44	40	45	40	37	37	37	37	37	37	37	34														
6	67	55	47	41	64	53	45	39	48	42	37	44	39	35	41	36	33	33	33	33	33	33	33	30														
7	63	50	42	36	59	48	40	35	44	38	33	41	35	31	37	33	29	29	29	29	29	29	29	27														
8	58	46	38	32	55	44	36	31	40	34	30	37	32	28	34	30	26	26	26	26	26	26	26	24														
9	54	42	34	29	52	40	33	28	37	31	27	34	29	25	32	27	24	24	24	24	24	24	24	22														
10	51	38	31	26	48	37	30	25	34	28	24	32	27	23	29	25	22	22	22	22	22	22	22	20														

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	15388	15388	15388
5°	15315	15325	15417
10°	15247	15225	15225
15°	15013	15013	14923
20°	14770	14619	14487
25°	14394	14213	13960
30°	14042	13676	13347
35°	13672	13165	12698
40°	13179	12552	12010
45°	12732	12006	11265
50°	12272	11354	10539
55°	11773	10725	9847
60°	11231	10074	9067
65°	10599	9333	8246
70°	9872	8466	7347
75°	8949	7432	6544
80°	7799	6229	5786
85°	6024	5271	5271

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 12732 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	128.3	2.9
10°-20°	360.5	8.3
20°-30°	523.7	12.0
30°-40°	595.3	13.6
40°-50°	577.9	13.2
50°-60°	487.9	11.2
60°-70°	347.1	7.9
70°-80°	185.5	4.2
80°-90°	49.0	1.1
90°-100°	18.3	0.4
100°-110°	71.5	1.6
110°-120°	127.4	2.9
120°-130°	172.4	3.9
130°-140°	198.2	4.5
140°-150°	198.9	4.6
150°-160°	171.0	3.9
160°-170°	115.8	2.6
170°-180°	40.8	0.9
0°-30°	1012.5	23.2
0°-40°	1607.8	36.8
0°-60°	2673.6	61.2
0°-90°	3255.3	74.5
90°-120°	217.1	5.0
90°-150°	786.6	18.0
90°-180°	1114.0	25.5
0°-180°	4369.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1360	1360	1360	1360	1360	
5°	1348	1365	1349	1348	1357	128
15°	1282	1293	1282	1274	1274	361
25°	1153	1157	1138	1123	1118	531
35°	990	980	953	925	919	617
45°	796	783	750	714	704	614
55°	597	581	544	509	499	534
65°	396	382	349	318	308	392
75°	205	193	170	152	150	218
85°	46	43	41	41	41	55
90°	0	0	0	0	0	3
95°	18	16	14	13	14	20
105°	69	69	67	66	65	74
115°	130	131	128	127	127	129
125°	194	196	192	191	192	173
135°	258	260	256	254	257	199
145°	320	322	317	315	318	200
155°	373	376	370	368	372	172
165°	412	415	410	408	412	116
175°	431	435	429	427	428	41
180°	432	432	432	432	432	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1360.0	1360.0	1360.0	1360.0	1360.0
2.5°	1353.0	1366.6	1354.5	1356.2	1359.2
5°	1348.4	1365.4	1349.3	1347.6	1357.4
7.5°	1337.9	1353.4	1336.8	1332.9	1341.4
10°	1327.1	1344.1	1325.2	1320.5	1325.2
12.5°	1307.8	1325.6	1310.5	1302.7	1306.6
15°	1281.7	1293.1	1281.7	1274.0	1274.0
17.5°	1249.9	1261.8	1240.4	1235.0	1232.8
20°	1226.7	1237.1	1214.1	1206.3	1203.2
22.5°	1195.8	1205.4	1186.3	1172.8	1169.2
25°	1153.0	1156.8	1138.5	1122.9	1118.2
27.5°	1110.3	1111.2	1086.2	1067.3	1061.0
30°	1074.8	1075.7	1046.8	1026.4	1021.6
32.5°	1039.2	1036.4	1008.9	984.7	981.5
35°	989.8	980.3	953.1	925.0	919.3
37.5°	930.1	924.4	892.3	864.1	855.6
40°	892.3	882.8	849.8	821.6	813.1
42.5°	854.4	843.4	809.6	778.3	769.0
45°	795.7	783.4	750.3	714.3	704.0
47.5°	736.6	723.2	686.8	651.9	640.4
50°	697.2	683.0	645.0	611.0	598.7
52.5°	657.0	642.1	604.1	569.3	559.3
55°	596.8	580.7	543.7	508.7	499.2
57.5°	536.5	520.6	483.8	450.7	439.4
60°	496.3	481.2	445.2	412.1	400.7
62.5°	455.4	441.0	405.8	373.5	362.9
65°	395.9	381.7	348.6	317.5	308.0
67.5°	337.0	324.9	292.2	263.6	256.1
70°	298.4	287.1	255.9	229.7	222.1
72.5°	261.3	249.2	219.6	197.3	192.0
75°	204.7	193.4	170.0	152.5	149.7
77.5°	153.0	143.7	123.4	113.5	112.0
80°	119.7	111.2	95.6	88.8	88.8
82.5°	88.8	81.9	71.7	68.8	68.8
85°	46.4	42.6	40.6	40.6	40.6
87.5°	13.9	13.9	13.1	12.4	12.4
90°	0.0	0.0	0.0	0.0	0.0
92.5°	4.8	4.3	2.7	2.1	2.1
95°	17.6	15.9	14.3	13.3	13.6
97.5°	32.4	30.9	28.8	27.8	28.0
100°	42.8	41.5	39.1	38.1	38.1
102.5°	52.8	52.1	49.7	48.7	49.0
105°	69.3	69.0	66.6	65.6	65.0
107.5°	87.4	86.9	84.3	84.2	83.6
110°	99.1	98.8	96.5	96.1	95.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	111.0	111.5	108.9	108.6	108.3
115°	129.9	130.6	127.6	127.3	127.0
117.5°	149.3	150.2	147.0	146.7	146.1
120°	161.8	163.7	159.8	159.4	159.1
122.5°	174.5	176.2	172.5	171.9	171.8
125°	193.6	195.9	191.9	191.3	191.6
127.5°	212.7	215.0	211.4	210.0	210.8
130°	225.4	228.0	224.1	222.8	223.8
132.5°	238.4	241.0	237.1	235.8	237.3
135°	257.9	260.5	256.2	254.3	256.9
137.5°	276.9	279.2	274.5	273.2	275.9
140°	289.4	291.7	286.7	285.2	288.4
142.5°	301.6	304.1	298.7	297.1	300.6
145°	319.6	322.2	316.9	315.3	318.2
147.5°	336.8	339.5	334.1	332.3	335.3
150°	347.4	350.3	344.8	343.2	346.4
152.5°	357.7	360.9	355.1	353.3	357.3
155°	372.9	376.2	369.9	368.4	372.3
157.5°	386.6	389.6	383.9	382.4	385.7
160°	394.8	398.0	392.2	390.6	394.5
162.5°	402.0	405.2	399.8	397.7	401.6
165°	411.7	415.3	409.7	407.5	411.7
167.5°	419.9	423.7	417.8	415.8	420.0
170°	424.6	428.2	422.3	419.8	424.0
172.5°	427.8	431.4	425.5	422.9	425.8
175°	431.3	435.2	429.3	426.7	428.3
177.5°	432.8	435.9	431.2	428.9	432.5
180°	432.3	432.3	432.3	432.3	432.3



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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	18.66	19.78	19.38	20.51	21.39	17.58	18.70	18.30	19.44	20.31
	3H	20.35	21.35	21.08	22.09	23.00	19.02	20.02	19.75	20.76	21.67
	4H	20.99	21.93	21.74	22.69	23.61	19.55	20.49	20.29	21.24	22.16
	6H	21.39	22.26	22.15	23.02	23.95	19.88	20.75	20.64	21.51	22.44
	8H	21.53	22.36	22.30	23.15	24.08	20.01	20.84	20.78	21.62	22.55
	12H	21.61	22.40	22.39	23.18	24.14	20.09	20.88	20.87	21.66	22.62
4H	2H	19.10	20.04	19.85	20.80	21.72	18.24	19.19	18.99	19.94	20.86
	3H	21.01	21.80	21.78	22.59	23.53	19.88	20.67	20.65	21.46	22.40
	4H	21.77	22.49	22.55	23.28	24.24	20.50	21.22	21.28	22.01	22.97
	6H	22.29	22.91	23.09	23.72	24.69	20.93	21.55	21.72	22.36	23.33
	8H	22.49	23.06	23.29	23.87	24.86	21.10	21.68	21.90	22.49	23.47
	12H	22.59	23.11	23.42	23.95	24.94	21.22	21.74	22.04	22.57	23.56
8H	4H	21.92	22.50	22.72	23.31	24.29	20.78	21.36	21.58	22.17	23.15
	6H	22.55	23.03	23.38	23.88	24.87	21.32	21.80	22.15	22.65	23.64
	8H	22.83	23.25	23.67	24.10	25.10	21.58	22.00	22.42	22.85	23.85
	12H	23.00	23.38	23.85	24.22	25.28	21.76	22.14	22.61	22.98	24.04
12H	4H	21.91	22.43	22.73	23.26	24.25	20.80	21.32	21.62	22.15	23.14
	6H	22.57	22.99	23.41	23.85	24.85	21.38	21.81	22.22	22.66	23.66
	8H	22.88	23.26	23.72	24.10	25.15	21.67	22.05	22.52	22.89	23.95