

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: P1439135

Luminaire Tested: CB3-030U-085D-835-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439135  
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: CB3-030U-085D-835-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 3500K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

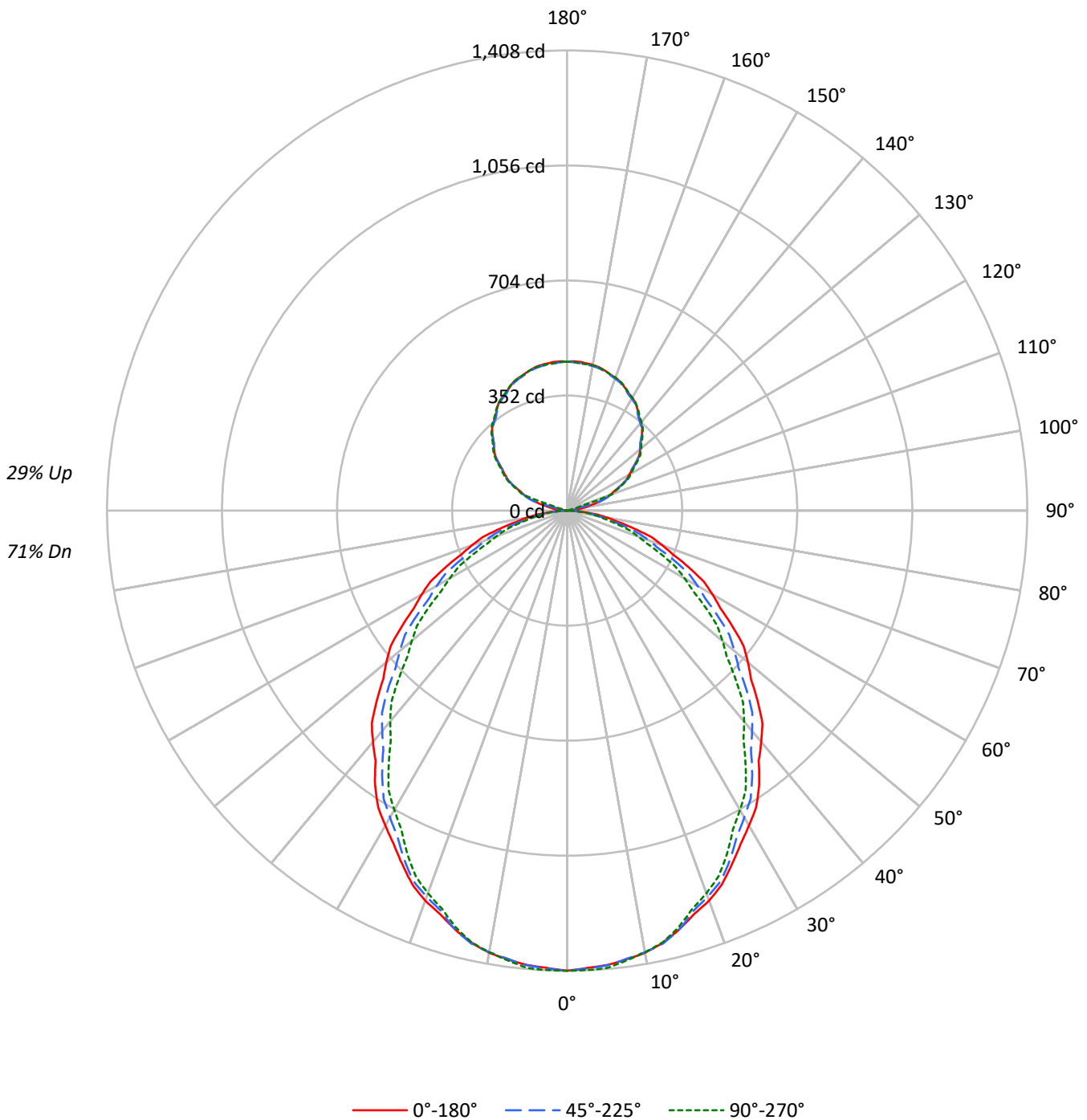
Lumens per Lamp: N/A  
Luminaire Lumens: 4715.4 lumens  
Efficiency: N/A  
Efficacy: 139.5 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 33.8  
Input Voltage (V): 120  
Input Current (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	112	112	112	112	106	106	106	106	95	95	95	85	85	85	76	76	76	71
1	103	98	95	91	97	93	90	87	84	81	79	75	73	72	68	66	65	61
2	94	86	80	75	89	82	76	72	74	70	66	67	63	60	60	57	55	51
3	86	76	69	63	81	72	66	60	66	60	56	59	55	51	53	50	47	44
4	79	68	60	53	74	64	57	52	58	53	48	53	48	44	48	44	41	38
5	72	61	52	46	68	58	50	45	53	46	42	48	43	39	43	39	36	33
6	67	55	46	40	63	52	45	39	48	41	36	43	38	34	39	35	32	29
7	62	49	41	36	59	47	40	34	43	37	32	39	34	30	36	31	28	26
8	58	45	37	32	55	43	36	31	40	33	29	36	31	27	33	29	25	23
9	54	41	34	28	51	40	33	28	36	30	26	33	28	25	31	26	23	21
10	50	38	31	26	48	37	30	25	34	28	24	31	26	22	28	24	21	19

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

	0°	45°	90°
0°	15931	15931	15931
5°	15855	15867	15958
10°	15786	15763	15763
15°	15544	15544	15450
20°	15292	15135	15003
25°	14906	14719	14457
30°	14541	14162	13823
35°	14158	13633	13150
40°	13648	12998	12436
45°	13185	12433	11665
50°	12709	11758	10913
55°	12191	11106	10199
60°	11631	10432	9391
65°	10977	9665	8540
70°	10222	8767	7609
75°	9268	7694	6776
80°	8080	6451	5995
85°	6231	5452	5452

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13185 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.8	2.8
10°-20°	373.2	7.9
20°-30°	542.3	11.5
30°-40°	616.5	13.1
40°-50°	598.5	12.7
50°-60°	505.3	10.7
60°-70°	359.5	7.6
70°-80°	192.1	4.1
80°-90°	50.8	1.1
90°-100°	10.5	0.2
100°-110°	76.2	1.6
110°-120°	181.1	3.8
120°-130°	231.4	4.9
130°-140°	249.6	5.3
140°-150°	235.3	5.0
150°-160°	192.0	4.1
160°-170°	125.1	2.7
170°-180°	43.2	0.9
0°-30°	1048.3	22.2
0°-40°	1664.8	35.3
0°-60°	2768.6	58.7
0°-90°	3371.0	71.5
90°-120°	267.8	5.7
90°-150°	984.1	20.9
90°-180°	1344.0	28.5
0°-180°	4715.4	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1408	1408	1408	1408	1408	
5°	1396	1414	1397	1395	1405	133
15°	1327	1339	1327	1319	1319	374
25°	1194	1198	1179	1163	1158	550
35°	1025	1015	987	958	952	639
45°	824	811	777	740	729	636
55°	618	601	563	527	517	553
65°	410	395	361	329	319	406
75°	212	200	176	158	155	226
85°	48	44	42	42	42	57
90°	0	0	0	0	0	3
95°	19	3	4	5	5	24
105°	96	98	99	7	8	102
115°	181	182	183	185	186	178
125°	257	259	258	261	263	229
135°	323	325	322	324	326	249
145°	376	378	374	376	378	235
155°	416	420	414	415	418	192
165°	444	446	442	440	443	125
175°	457	459	453	450	452	43
180°	456	456	456	456	456	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1408.0	1408.0	1408.0	1408.0	1408.0
2.5°	1400.8	1414.9	1402.4	1404.1	1407.2
5°	1396.0	1413.6	1397.0	1395.2	1405.0
7.5°	1385.2	1401.2	1384.0	1380.0	1388.8
10°	1374.0	1391.6	1372.0	1367.1	1372.0
12.5°	1354.0	1372.4	1356.8	1348.7	1352.8
15°	1327.0	1338.7	1327.0	1319.0	1319.0
17.5°	1294.0	1306.3	1284.2	1278.6	1276.4
20°	1270.0	1280.8	1257.0	1248.9	1246.0
22.5°	1238.0	1248.0	1228.2	1214.5	1210.8
25°	1194.0	1197.9	1179.0	1162.9	1158.0
27.5°	1149.8	1150.8	1124.8	1105.3	1098.8
30°	1113.0	1114.0	1084.0	1062.9	1058.0
32.5°	1076.2	1073.3	1044.8	1019.7	1016.4
35°	1025.0	1015.2	987.0	957.9	952.0
37.5°	963.2	957.3	924.0	894.8	886.0
40°	924.0	914.2	880.0	850.8	842.0
42.5°	884.8	873.5	838.4	806.0	796.4
45°	824.0	811.3	777.0	739.8	729.0
47.5°	762.8	748.9	711.2	675.1	663.2
50°	722.0	707.3	668.0	632.7	620.0
52.5°	680.4	665.0	625.6	589.6	579.2
55°	618.0	601.4	563.0	526.8	517.0
57.5°	555.6	539.2	501.0	466.7	455.0
60°	514.0	498.4	461.0	426.7	415.0
62.5°	471.6	456.7	420.2	386.8	375.8
65°	410.0	395.3	361.0	328.8	319.0
67.5°	349.0	336.5	302.6	273.0	265.2
70°	309.0	297.3	265.0	237.8	230.0
72.5°	270.6	258.1	227.4	204.3	198.8
75°	212.0	200.3	176.0	157.9	155.0
77.5°	158.4	148.8	127.8	117.6	116.0
80°	124.0	115.2	99.0	92.0	92.0
82.5°	92.0	84.8	74.2	71.2	71.2
85°	48.0	44.1	42.0	42.0	42.0
87.5°	14.4	14.4	13.6	12.9	12.8
90°	0.0	0.0	0.0	0.3	0.0
92.5°	5.2	2.0	1.6	2.0	1.9
95°	19.2	3.4	4.5	4.8	4.8
97.5°	38.7	38.0	5.2	6.2	6.3
100°	53.6	55.2	5.5	6.5	6.9
102.5°	70.0	71.4	10.2	6.8	7.1
105°	96.5	97.8	99.2	7.2	7.6
107.5°	122.8	123.8	124.7	112.2	42.0
110°	140.1	141.1	141.4	144.9	145.6

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	156.3	157.5	158.2	161.1	162.3
115°	180.9	182.3	182.6	185.4	186.4
117.5°	204.3	205.7	206.4	208.6	210.2
120°	219.7	221.4	221.8	224.5	225.9
122.5°	234.8	236.8	236.6	239.1	241.0
125°	257.1	258.8	258.2	260.9	262.6
127.5°	278.3	279.3	277.9	281.3	282.7
130°	291.8	292.8	291.1	294.2	295.9
132.5°	304.2	305.7	303.7	306.6	308.3
135°	323.0	324.7	322.0	324.5	326.5
137.5°	339.9	341.9	338.6	341.5	343.2
140°	350.8	352.9	348.8	351.9	353.9
142.5°	361.0	363.6	358.7	361.5	363.8
145°	375.9	378.2	373.5	375.9	378.0
147.5°	390.0	392.1	387.5	389.3	390.7
150°	398.6	400.6	395.5	397.2	398.9
152.5°	405.4	408.2	403.2	404.4	406.9
155°	416.4	419.8	414.0	415.1	417.8
157.5°	426.5	429.5	423.8	424.7	427.0
160°	432.5	435.6	429.8	430.2	432.5
162.5°	437.2	440.0	435.0	434.3	437.2
165°	443.9	446.2	441.5	440.2	443.2
167.5°	449.4	452.1	446.3	445.2	448.6
170°	452.5	455.1	449.0	447.4	451.1
172.5°	454.4	456.8	450.9	448.7	451.6
175°	456.6	458.9	452.8	450.4	451.8
177.5°	457.2	459.1	454.2	452.0	455.3
180°	455.5	455.5	455.5	455.5	455.5



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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	18.56	19.63	19.31	20.40	21.33	17.48	18.55	18.23	19.33	20.25
	3H	20.24	21.21	21.00	21.99	22.95	18.91	19.87	19.67	20.65	21.61
	4H	20.88	21.79	21.66	22.58	23.55	19.43	20.35	20.22	21.14	22.11
	6H	21.28	22.12	22.07	22.91	23.90	19.76	20.60	20.56	21.40	22.39
	8H	21.42	22.22	22.22	23.04	24.02	19.89	20.69	20.70	21.51	22.50
	12H	21.49	22.26	22.30	23.07	24.08	19.98	20.74	20.79	21.55	22.56
4H	2H	18.99	19.90	19.78	20.69	21.66	18.13	19.04	18.92	19.83	20.80
	3H	20.90	21.66	21.70	22.48	23.47	19.77	20.53	20.57	21.35	22.34
	4H	21.66	22.35	22.47	23.17	24.19	20.39	21.08	21.20	21.90	22.91
	6H	22.17	22.77	23.00	23.62	24.64	20.81	21.41	21.64	22.25	23.27
	8H	22.37	22.93	23.20	23.77	24.80	20.98	21.54	21.82	22.38	23.42
	12H	22.48	22.98	23.33	23.84	24.88	21.10	21.60	21.95	22.47	23.50
8H	4H	21.80	22.36	22.64	23.20	24.24	20.66	21.22	21.50	22.06	23.10
	6H	22.43	22.89	23.29	23.78	24.81	21.20	21.66	22.06	22.55	23.58
	8H	22.71	23.12	23.58	24.00	25.05	21.45	21.86	22.33	22.74	23.80
	12H	22.88	23.24	23.76	24.11	25.22	21.64	22.00	22.52	22.87	23.98
12H	4H	21.79	22.29	22.64	23.15	24.19	20.68	21.18	21.53	22.04	23.08
	6H	22.45	22.86	23.32	23.74	24.79	21.26	21.67	22.13	22.55	23.60
	8H	22.76	23.12	23.63	23.99	25.10	21.55	21.91	22.43	22.78	23.89