

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: P1439106

Luminaire Tested: CB3-030U-030D-830-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439106  
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-030D-830-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 300 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 3000K CCT, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

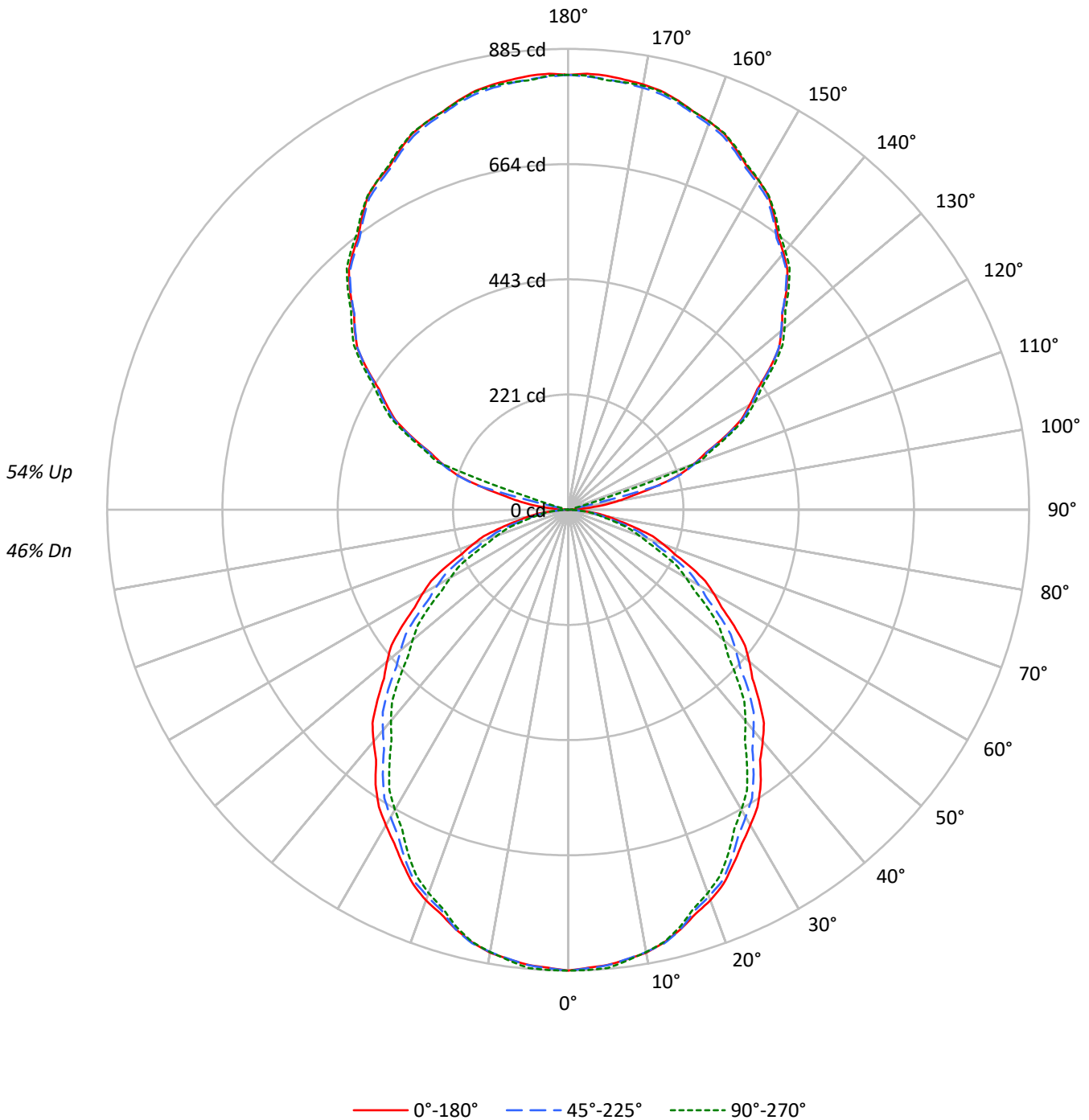
Lumens per Lamp: N/A  
Luminaire Lumens: 4583.7 lumens  
Efficiency: N/A  
Efficacy: 132.5 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 34.6  
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				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	106	106	106	106	98	98	98	98	81	81	81	66	66	66	53	53	53	46
1	97	93	89	86	89	85	82	79	71	69	67	59	57	56	47	46	45	39
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	41	40	38	33
3	81	72	64	59	74	66	60	55	56	51	47	46	42	40	37	34	32	28
4	74	63	56	50	68	59	52	46	49	44	40	41	37	34	33	30	28	24
5	68	57	49	43	62	52	45	40	44	39	35	37	33	30	30	27	25	21
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22	19
7	58	46	38	32	53	43	36	31	36	31	27	30	26	23	25	22	19	17
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17	15
9	50	38	31	26	46	35	29	24	30	25	21	26	21	19	21	18	16	14
10	47	35	28	23	43	32	26	22	28	23	19	24	20	17	20	17	14	12

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

	0°	45°	90°
0°	5008	5008	5008
5°	4984	4987	5016
10°	4962	4955	4955
15°	4886	4886	4857
20°	4807	4757	4716
25°	4685	4627	4544
30°	4571	4452	4345
35°	4450	4285	4133
40°	4290	4085	3909
45°	4144	3908	3667
50°	3995	3696	3431
55°	3832	3491	3206
60°	3656	3279	2952
65°	3451	3037	2684
70°	3214	2756	2392
75°	2914	2418	2129
80°	2541	2026	1883
85°	1960	1714	1714

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 4144 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	83.5	1.8
10°-20°	234.6	5.1
20°-30°	340.9	7.4
30°-40°	387.6	8.5
40°-50°	376.2	8.2
50°-60°	317.7	6.9
60°-70°	226.0	4.9
70°-80°	120.7	2.6
80°-90°	31.9	0.7
90°-100°	19.3	0.4
100°-110°	139.7	3.0
110°-120°	332.0	7.2
120°-130°	424.2	9.3
130°-140°	457.6	10.0
140°-150°	431.3	9.4
150°-160°	351.9	7.7
160°-170°	229.3	5.0
170°-180°	79.3	1.7
0°-30°	659.0	14.4
0°-40°	1046.6	22.8
0°-60°	1740.5	38.0
0°-90°	2119.2	46.2
90°-120°	491.0	10.7
90°-150°	1804.1	39.4
90°-180°	2464.0	53.8
0°-180°	4583.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	885	885	885	885	885	
5°	878	889	878	877	883	83
15°	834	842	834	829	829	235
25°	751	753	741	731	728	346
35°	644	638	620	602	598	402
45°	518	510	488	465	458	400
55°	388	378	354	331	325	347
65°	258	248	227	207	200	255
75°	133	126	111	99	97	142
85°	30	28	26	26	26	36
90°	0	0	0	1	0	3
95°	35	6	8	9	9	44
105°	177	179	182	13	14	187
115°	332	334	335	340	342	327
125°	471	474	473	478	481	421
135°	592	595	590	595	598	456
145°	689	693	685	689	693	431
155°	763	770	759	761	766	352
165°	814	818	809	807	812	230
175°	837	841	830	826	828	80
180°	835	835	835	835	835	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	885.2	885.2	885.2	885.2	885.2
2.5°	880.6	889.5	881.6	882.7	884.7
5°	877.6	888.7	878.2	877.1	883.3
7.5°	870.8	880.9	870.1	867.6	873.1
10°	863.8	874.8	862.5	859.5	862.5
12.5°	851.2	862.8	853.0	847.9	850.5
15°	834.2	841.6	834.2	829.2	829.2
17.5°	813.5	821.2	807.3	803.8	802.4
20°	798.4	805.2	790.2	785.2	783.3
22.5°	778.3	784.6	772.1	763.5	761.2
25°	750.6	753.1	741.2	731.1	728.0
27.5°	722.8	723.5	707.1	694.8	690.8
30°	699.7	700.3	681.5	668.2	665.1
32.5°	676.6	674.7	656.8	641.1	639.0
35°	644.4	638.2	620.5	602.2	598.5
37.5°	605.5	601.8	580.9	562.5	557.0
40°	580.9	574.7	553.2	534.9	529.3
42.5°	556.2	549.1	527.1	506.7	500.7
45°	518.0	510.0	488.5	465.1	458.3
47.5°	479.5	470.8	447.1	424.4	416.9
50°	453.9	444.7	419.9	397.8	389.8
52.5°	427.7	418.0	393.3	370.6	364.1
55°	388.5	378.1	353.9	331.2	325.0
57.5°	349.3	339.0	315.0	293.4	286.0
60°	323.1	313.3	289.8	268.3	260.9
62.5°	296.5	287.1	264.2	243.1	236.3
65°	257.8	248.5	226.9	206.7	200.5
67.5°	219.4	211.5	190.2	171.6	166.7
70°	194.3	186.9	166.6	149.5	144.6
72.5°	170.1	162.2	143.0	128.4	125.0
75°	133.3	125.9	110.6	99.3	97.4
77.5°	99.6	93.6	80.3	73.9	72.9
80°	78.0	72.4	62.2	57.8	57.8
82.5°	57.8	53.3	46.6	44.8	44.8
85°	30.2	27.7	26.4	26.4	26.4
87.5°	9.1	9.1	8.5	8.2	8.0
90°	0.0	0.0	0.0	0.6	0.0
92.5°	9.6	3.7	3.0	3.6	3.5
95°	35.2	6.3	8.2	8.8	8.8
97.5°	71.0	69.6	9.6	11.5	11.6
100°	98.2	101.2	10.1	12.0	12.6
102.5°	128.4	131.0	18.6	12.5	13.1
105°	176.8	179.3	181.9	13.2	13.8
107.5°	225.0	226.9	228.6	205.7	77.0
110°	256.8	258.6	259.3	265.6	266.8



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	286.5	288.8	290.0	295.3	297.5
115°	331.6	334.1	334.8	339.9	341.7
117.5°	374.6	377.1	378.3	382.4	385.4
120°	402.7	405.8	406.5	411.6	414.1
122.5°	430.4	434.0	433.7	438.3	441.8
125°	471.3	474.4	473.2	478.3	481.4
127.5°	510.2	512.1	509.5	515.7	518.3
130°	534.9	536.7	533.6	539.4	542.4
132.5°	557.6	560.4	556.8	562.0	565.1
135°	592.2	595.2	590.3	594.8	598.5
137.5°	623.0	626.7	620.7	626.0	629.2
140°	643.1	646.8	639.4	645.1	648.8
142.5°	661.8	666.4	657.5	662.7	666.9
145°	689.1	693.4	684.7	689.2	692.9
147.5°	715.0	718.7	710.3	713.5	716.1
150°	730.6	734.3	724.9	728.2	731.2
152.5°	743.2	748.4	739.0	741.3	745.8
155°	763.3	769.5	758.9	760.9	765.8
157.5°	781.8	787.4	776.8	778.5	782.8
160°	792.9	798.4	787.9	788.6	792.9
162.5°	801.5	806.5	797.4	796.2	801.5
165°	813.7	818.0	809.3	806.9	812.4
167.5°	823.9	828.8	818.1	816.1	822.4
170°	829.4	834.3	823.1	820.1	826.9
172.5°	832.9	837.4	826.6	822.6	827.9
175°	837.0	841.3	830.0	825.7	828.1
177.5°	838.1	841.5	832.6	828.7	834.6
180°	835.1	835.1	835.1	835.1	835.1

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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	12.39	13.21	13.38	14.21	15.53	11.31	12.13	12.30	13.13	14.45
	3H	14.05	14.78	15.05	15.79	17.14	12.72	13.45	13.72	14.46	15.81
	4H	14.68	15.37	15.69	16.39	17.74	13.23	13.93	14.25	14.94	16.29
	6H	15.06	15.70	16.09	16.72	18.09	13.55	14.19	14.57	15.21	16.57
	8H	15.20	15.81	16.23	16.84	18.20	13.67	14.28	14.70	15.31	16.68
	12H	15.26	15.84	16.30	16.87	18.26	13.74	14.32	14.78	15.35	16.74
4H	2H	12.79	13.48	13.81	14.50	15.85	11.93	12.62	12.95	13.64	14.99
	3H	14.68	15.25	15.70	16.30	17.66	13.54	14.12	14.57	15.17	16.53
	4H	15.42	15.95	16.46	16.99	18.38	14.15	14.68	15.19	15.71	17.10
	6H	15.92	16.38	16.97	17.43	18.82	14.56	15.01	15.61	16.07	17.46
	8H	16.11	16.54	17.16	17.59	18.99	14.73	15.15	15.78	16.20	17.60
	12H	16.21	16.59	17.27	17.66	19.06	14.83	15.22	15.90	16.28	17.69
8H	4H	15.55	15.97	16.60	17.02	18.42	14.41	14.83	15.46	15.88	17.28
	6H	16.17	16.52	17.24	17.61	19.01	14.93	15.29	16.01	16.38	17.78
	8H	16.44	16.75	17.52	17.82	19.24	15.19	15.49	16.27	16.57	17.99
	12H	16.60	16.87	17.68	17.95	19.40	15.36	15.63	16.44	16.70	18.16
12H	4H	15.52	15.90	16.58	16.97	18.37	14.41	14.79	15.47	15.86	17.26
	6H	16.18	16.49	17.26	17.57	18.98	14.99	15.30	16.07	16.38	17.79
	8H	16.48	16.75	17.56	17.82	19.28	15.27	15.54	16.35	16.61	18.07