

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: P1439187

Luminaire Tested: CB3-055U-055D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439187  
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: CB3-055U-055D-940-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 550 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 4000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

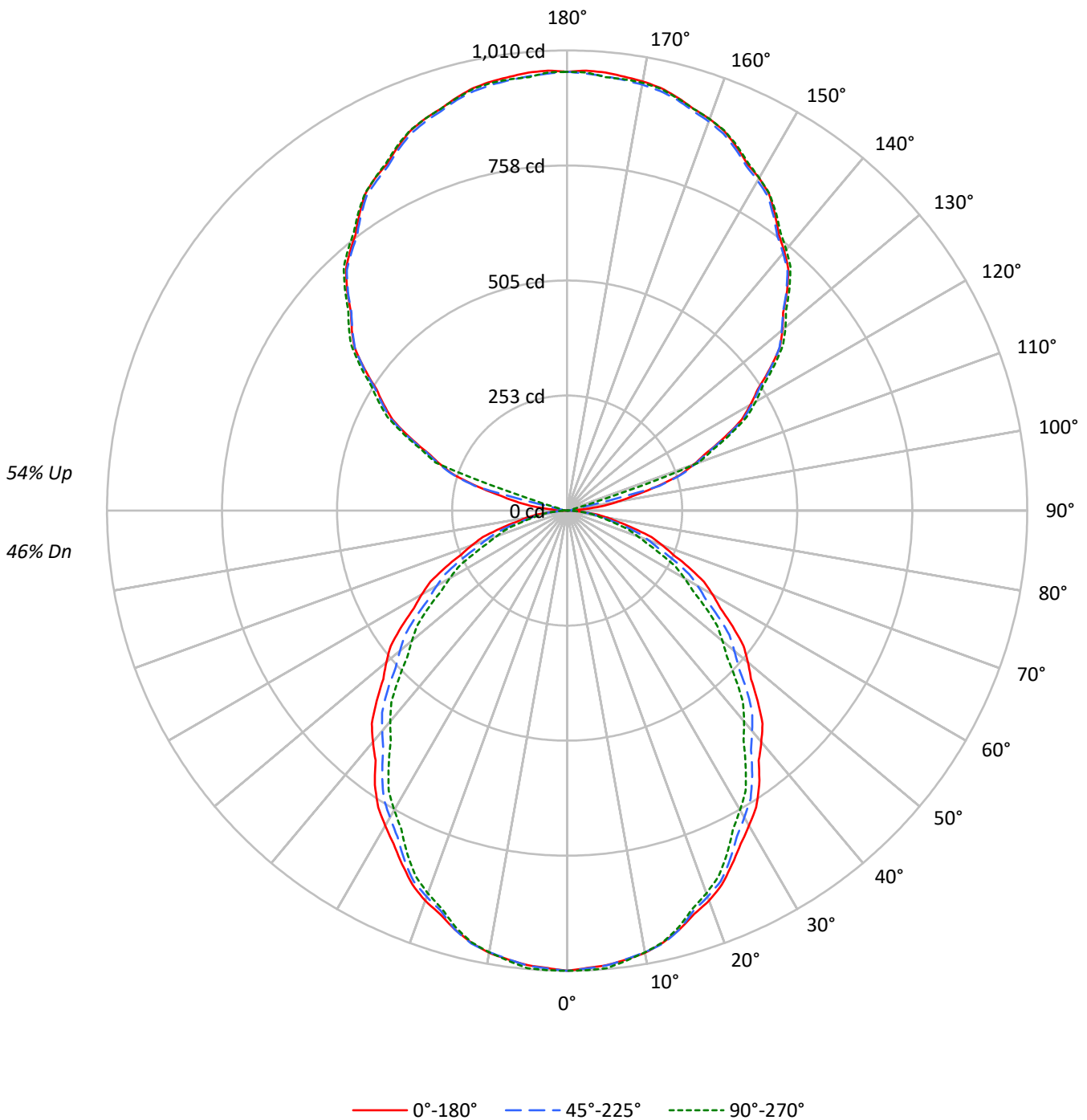
Lumens per Lamp: N/A  
Luminaire Lumens: 5260.5 lumens  
Efficiency: N/A  
Efficacy: 161.9 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: General Diffuse

Input Watts (W): 32.5  
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	97	97	97	97	81	81	81	66	66	66	52	52	52	46
1	97	93	89	86	89	85	82	79	71	69	67	58	57	55	47	46	45	39
2	88	81	75	70	81	75	70	65	63	59	56	52	49	47	41	39	38	33
3	81	72	64	59	74	66	60	55	55	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	24	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	42	35	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	25	21	18	21	18	16	13
10	47	35	28	23	43	32	26	22	28	23	19	24	20	17	19	16	14	12

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

	0°	45°	90°
0°	11429	11429	11429
5°	11375	11383	11449
10°	11325	11309	11309
15°	11151	11151	11085
20°	10970	10858	10763
25°	10694	10559	10372
30°	10432	10161	9916
35°	10158	9781	9434
40°	9791	9324	8923
45°	9460	8919	8369
50°	9118	8435	7830
55°	8747	7967	7317
60°	8346	7483	6737
65°	7874	6934	6128
70°	7334	6289	5458
75°	6649	5521	4861
80°	5799	4626	4300
85°	4466	3908	3908

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 9460 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	95.3	1.8
10°-20°	267.8	5.1
20°-30°	389.0	7.4
30°-40°	442.3	8.4
40°-50°	429.4	8.2
50°-60°	362.5	6.9
60°-70°	257.9	4.9
70°-80°	137.8	2.6
80°-90°	36.4	0.7
90°-100°	22.2	0.4
100°-110°	161.1	3.1
110°-120°	382.9	7.3
120°-130°	489.2	9.3
130°-140°	527.7	10.0
140°-150°	497.4	9.5
150°-160°	405.8	7.7
160°-170°	264.4	5.0
170°-180°	91.4	1.7
0°-30°	752.1	14.3
0°-40°	1194.4	22.7
0°-60°	1986.2	37.8
0°-90°	2418.4	46.0
90°-120°	566.2	10.8
90°-150°	2080.5	39.5
90°-180°	2842.0	54.0
0°-180°	5260.5	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1010	1010	1010	1010	1010	
5°	1002	1014	1002	1001	1008	95
15°	952	960	952	946	946	268
25°	857	859	846	834	831	395
35°	735	728	708	687	683	458
45°	591	582	557	531	523	456
55°	443	431	404	378	371	396
65°	294	284	259	236	229	291
75°	152	144	126	113	111	162
85°	34	32	30	30	30	41
90°	0	0	0	1	0	3
95°	41	7	9	10	10	50
105°	204	207	210	15	16	215
115°	382	385	386	392	394	377
125°	544	547	546	552	555	485
135°	683	686	681	686	690	526
145°	795	800	790	795	799	497
155°	880	887	875	878	883	406
165°	938	943	933	930	937	265
175°	965	970	957	952	955	92
180°	963	963	963	963	963	

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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1010.1	1010.1	1010.1	1010.1	1010.1
2.5°	1005.0	1015.1	1006.1	1007.3	1009.6
5°	1001.5	1014.2	1002.2	1001.0	1008.0
7.5°	993.8	1005.3	992.9	990.0	996.4
10°	985.7	998.4	984.3	980.8	984.3
12.5°	971.4	984.6	973.4	967.6	970.5
15°	952.0	960.4	952.0	946.3	946.3
17.5°	928.3	937.2	921.3	917.3	915.7
20°	911.1	918.8	901.8	896.0	893.9
22.5°	888.2	895.3	881.1	871.3	868.7
25°	856.6	859.4	845.8	834.3	830.8
27.5°	824.9	825.6	807.0	792.9	788.3
30°	798.5	799.2	777.7	762.5	759.0
32.5°	772.1	770.0	749.6	731.6	729.2
35°	735.4	728.3	708.1	687.2	683.0
37.5°	691.0	686.8	662.9	642.0	635.6
40°	662.9	655.9	631.3	610.4	604.1
42.5°	634.8	626.6	601.5	578.2	571.4
45°	591.2	582.0	557.4	530.7	523.0
47.5°	547.3	537.3	510.2	484.4	475.8
50°	518.0	507.5	479.2	453.9	444.8
52.5°	488.1	477.1	448.8	423.0	415.5
55°	443.4	431.4	403.9	377.9	370.9
57.5°	398.6	386.8	359.4	334.8	326.4
60°	368.8	357.5	330.7	306.1	297.7
62.5°	338.3	327.7	301.5	277.5	269.6
65°	294.1	283.6	259.0	235.9	228.9
67.5°	250.4	241.4	217.1	195.9	190.3
70°	221.7	213.3	190.1	170.6	165.0
72.5°	194.1	185.2	163.1	146.6	142.6
75°	152.1	143.7	126.3	113.3	111.2
77.5°	113.6	106.8	91.7	84.3	83.2
80°	89.0	82.6	71.0	66.0	66.0
82.5°	66.0	60.8	53.2	51.1	51.1
85°	34.4	31.6	30.1	30.1	30.1
87.5°	10.3	10.3	9.8	9.3	9.2
90°	0.0	0.0	0.0	0.7	0.0
92.5°	11.0	4.2	3.5	4.2	4.1
95°	40.6	7.3	9.4	10.2	10.2
97.5°	81.9	80.3	11.0	13.2	13.4
100°	113.2	116.8	11.6	13.8	14.5
102.5°	148.0	151.0	21.5	14.4	15.1
105°	203.9	206.8	209.7	15.3	16.0
107.5°	259.5	261.6	263.6	237.3	88.8
110°	296.1	298.2	299.0	306.3	307.7

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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	330.3	333.0	334.4	340.6	343.1
115°	382.5	385.3	386.1	391.9	394.1
117.5°	431.9	434.9	436.3	441.0	444.4
120°	464.5	468.0	468.8	474.7	477.5
122.5°	496.4	500.5	500.2	505.5	509.5
125°	543.6	547.1	545.7	551.6	555.2
127.5°	588.4	590.5	587.5	594.7	597.7
130°	616.9	619.0	615.4	622.0	625.6
132.5°	643.0	646.2	642.1	648.1	651.7
135°	682.9	686.4	680.7	685.9	690.2
137.5°	718.5	722.7	715.8	721.9	725.6
140°	741.7	745.9	737.3	744.0	748.2
142.5°	763.2	768.6	758.2	764.3	769.1
145°	794.7	799.6	789.6	794.8	799.0
147.5°	824.6	828.8	819.2	822.9	825.9
150°	842.6	846.8	836.0	839.7	843.3
152.5°	857.1	863.0	852.3	854.9	860.1
155°	880.3	887.4	875.2	877.5	883.2
157.5°	901.6	908.0	895.8	897.8	902.8
160°	914.4	920.8	908.6	909.4	914.4
162.5°	924.3	930.1	919.6	918.2	924.3
165°	938.4	943.3	933.3	930.5	936.9
167.5°	950.1	955.8	943.4	941.1	948.4
170°	956.5	962.2	949.2	945.8	953.6
172.5°	960.6	965.7	953.3	948.7	954.8
175°	965.2	970.2	957.2	952.2	955.0
177.5°	966.5	970.5	960.1	955.6	962.4
180°	963.0	963.0	963.0	963.0	963.0



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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	15.23	16.04	16.22	17.05	18.38	14.15	14.97	15.14	15.97	17.30
	3H	16.89	17.62	17.89	18.63	19.98	15.56	16.29	16.56	17.30	18.65
	4H	17.52	18.21	18.54	19.23	20.58	16.07	16.77	17.09	17.78	19.14
	6H	17.90	18.54	18.93	19.56	20.93	16.39	17.03	17.42	18.05	19.42
	8H	18.04	18.64	19.07	19.68	21.05	16.51	17.12	17.54	18.15	19.52
	12H	18.10	18.68	19.14	19.71	21.10	16.59	17.16	17.62	18.19	19.58
4H	2H	15.63	16.32	16.65	17.34	18.70	14.77	15.46	15.79	16.48	17.84
	3H	17.52	18.09	18.55	19.14	20.51	16.39	16.96	17.42	18.01	19.38
	4H	18.26	18.79	19.30	19.83	21.22	16.99	17.52	18.03	18.55	19.95
	6H	18.76	19.22	19.81	20.28	21.66	17.40	17.85	18.45	18.91	20.30
	8H	18.95	19.38	20.00	20.43	21.83	17.57	17.99	18.62	19.05	20.45
	12H	19.05	19.43	20.12	20.50	21.91	17.67	18.06	18.74	19.12	20.53
8H	4H	18.39	18.81	19.44	19.86	21.27	17.25	17.67	18.30	18.72	20.13
	6H	19.01	19.36	20.08	20.45	21.85	17.78	18.13	18.85	19.22	20.62
	8H	19.28	19.59	20.36	20.67	22.09	18.03	18.34	19.11	19.41	20.83
	12H	19.44	19.71	20.53	20.79	22.25	18.20	18.47	19.29	19.55	21.01
12H	4H	18.36	18.74	19.43	19.81	21.22	17.25	17.63	18.32	18.70	20.11
	6H	19.02	19.33	20.10	20.41	21.83	17.83	18.14	18.91	19.22	20.64
	8H	19.32	19.59	20.40	20.66	22.12	18.11	18.38	19.20	19.46	20.92