

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: P1438638

Luminaire Tested: CB2-030U-120D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1438638  
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-1, G2-2312-242-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/31/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: CORELITE  
Catalog Number: CB2-030U-120D-935-1D-UNV-STD-W-8  
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT  
2-INCH APERTURE  
DOWNLIGHT 1200 LUMENS PER FOOT  
UPLIGHT 300 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

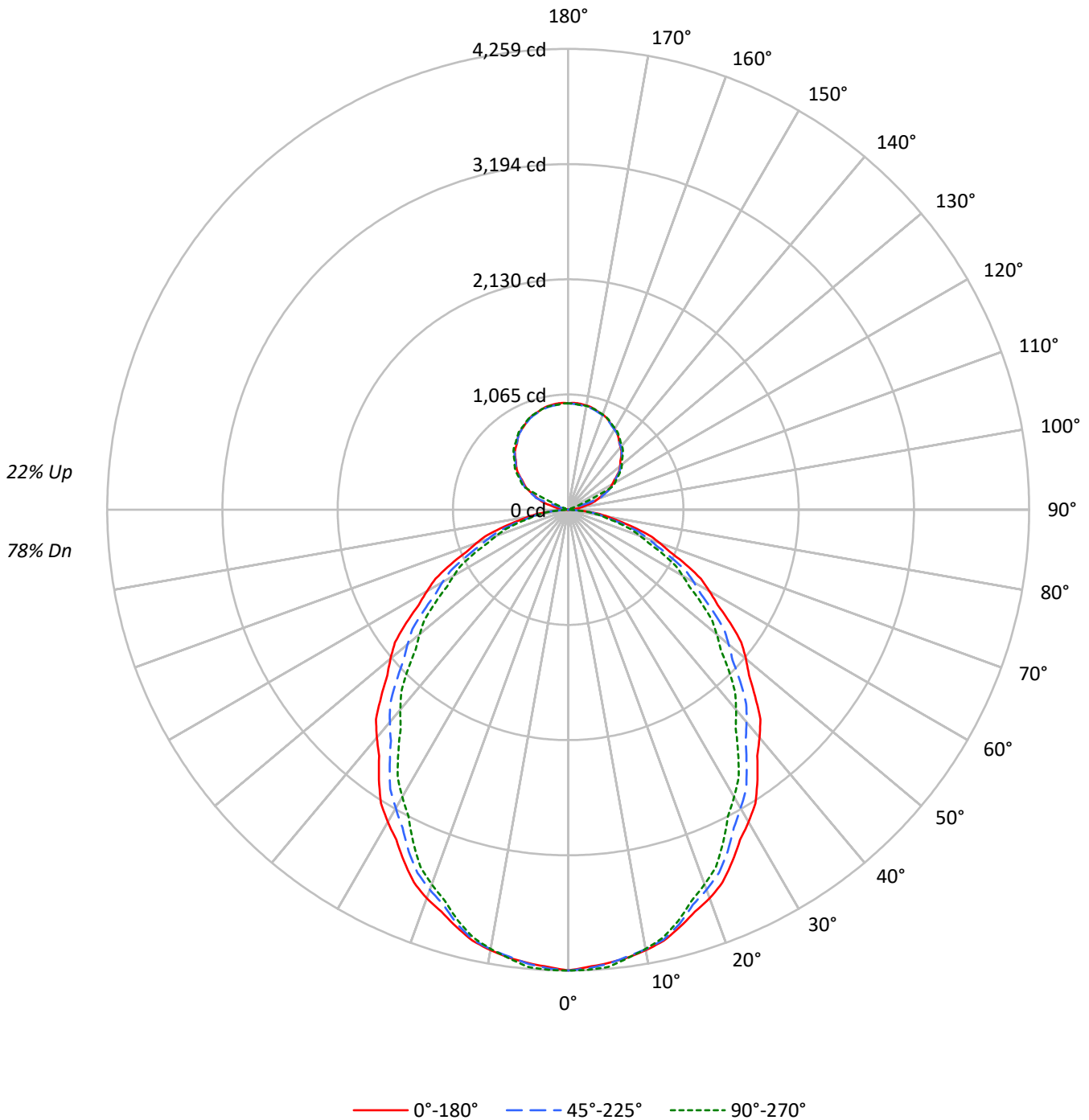
Lumens per Lamp: N/A  
Luminaire Lumens: 12732.7 lumens  
Efficiency: N/A  
Efficacy: 119.3 lumens/watt  
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24  
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 106.7  
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

TEST NUMBER: P1438638

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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	50	30	10	0	
RCR																						
0	114	114	114	114	109	109	109	109	99	99	99	90	90	90	82	82	82	78				
1	104	100	96	92	99	96	92	89	87	85	82	80	78	76	73	71	70	66				
2	95	88	81	76	91	84	78	73	77	72	68	70	67	64	64	62	59	56				
3	87	77	70	64	83	74	67	62	68	63	58	63	58	54	57	54	51	48				
4	80	69	61	54	76	66	59	53	61	55	50	56	51	47	51	47	44	41				
5	74	62	53	47	70	59	52	46	55	48	43	51	45	41	47	42	39	36				
6	68	56	47	41	65	54	46	40	50	43	38	46	40	36	42	38	34	32				
7	63	50	42	36	60	49	41	36	45	39	34	42	36	32	39	34	31	28				
8	59	46	38	33	56	44	37	32	41	35	30	39	33	29	36	31	27	25				
9	55	42	35	29	52	41	34	29	38	32	27	36	30	26	33	28	25	23				
10	52	39	32	27	49	38	31	26	35	29	25	33	28	24	31	26	23	21				

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

	0°	45°	90°
0°	37089	37089	37089
5°	36775	36832	37089
10°	36566	36479	36450
15°	35987	35752	35458
20°	35420	34634	34150
25°	34468	33497	32557
30°	33514	32038	30825
35°	32415	30544	29087
40°	31252	29139	27433
45°	30082	27671	25824
50°	29027	26243	24255
55°	27727	24756	22776
60°	26241	23344	21300
65°	24662	21773	19823
70°	22916	20011	17936
75°	20848	18106	16238
80°	18646	15863	14719
85°	14339	13030	10751

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 30082 cd/sqm



TEST NUMBER: P1438638

CATALOG NUMBER: CB2-030U-120D-935-1D-UNV-STD-W-8

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	400.5	3.1
10°-20°	1116.4	8.8
20°-30°	1605.2	12.6
30°-40°	1804.2	14.2
40°-50°	1742.9	13.7
50°-60°	1472.6	11.6
60°-70°	1057.8	8.3
70°-80°	578.1	4.5
80°-90°	153.6	1.2
90°-100°	17.1	0.1
100°-110°	109.0	0.9
110°-120°	346.2	2.7
120°-130°	502.4	3.9
130°-140°	540.4	4.2
140°-150°	508.8	4.0
150°-160°	414.5	3.3
160°-170°	269.8	2.1
170°-180°	93.3	0.7
0°-30°	3122.1	24.5
0°-40°	4926.4	38.7
0°-60°	8141.9	63.9
0°-90°	9931.3	78.0
90°-120°	472.3	3.7
90°-150°	2023.9	15.9
90°-180°	2801.0	22.0
0°-180°	12732.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	4259	4259	4259	4259	4259	
5°	4207	4264	4213	4214	4243	399
15°	3992	4027	3965	3926	3933	1125
25°	3587	3590	3486	3407	3388	1651
35°	3049	3014	2873	2762	2736	1905
45°	2442	2392	2247	2129	2097	1887
55°	1826	1759	1630	1529	1500	1633
65°	1197	1152	1057	981	962	1187
75°	620	581	538	495	483	663
85°	144	134	130	114	108	171
90°	0	0	0	1	1	7
95°	39	11	12	8	7	49
105°	205	212	21	25	26	216
115°	387	396	399	404	232	381
125°	550	560	560	569	577	492
135°	692	700	699	704	712	534
145°	810	816	811	812	822	506
155°	899	905	895	893	906	415
165°	959	962	952	948	958	271
175°	988	990	977	970	975	94
180°	982	982	982	982	982	

TEST NUMBER: P1438638

CATALOG NUMBER: CB2-030U-120D-935-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	4258.9	4258.9	4258.9	4258.9	4258.9
2.5°	4230.2	4281.2	4243.2	4248.6	4256.3
5°	4206.7	4264.1	4213.2	4213.9	4242.6
7.5°	4176.7	4230.9	4166.9	4155.1	4181.9
10°	4135.0	4189.2	4125.2	4102.8	4121.9
12.5°	4080.2	4131.8	4070.4	4034.9	4051.5
15°	3991.5	4026.6	3965.4	3926.4	3932.8
17.5°	3895.0	3916.6	3828.4	3795.7	3789.3
20°	3821.9	3841.0	3737.1	3691.3	3684.9
22.5°	3728.0	3744.6	3635.4	3579.1	3570.2
25°	3587.1	3590.3	3486.0	3407.3	3388.2
27.5°	3439.7	3429.5	3313.8	3220.7	3195.8
30°	3332.8	3320.0	3186.0	3087.7	3065.4
32.5°	3218.0	3195.0	3060.8	2954.6	2932.3
35°	3049.0	3014.0	2873.0	2761.5	2736.0
37.5°	2869.0	2829.5	2691.0	2569.7	2541.0
40°	2749.0	2704.4	2563.2	2441.8	2413.1
42.5°	2629.0	2579.3	2435.3	2314.0	2282.7
45°	2442.5	2391.5	2246.8	2128.7	2096.8
47.5°	2265.1	2200.1	2059.7	1942.2	1910.3
50°	2142.5	2072.3	1937.0	1822.2	1790.3
52.5°	2017.3	1944.6	1814.4	1704.8	1672.9
55°	1826.2	1759.2	1630.5	1528.8	1500.1
57.5°	1637.0	1572.6	1455.1	1357.9	1329.8
60°	1506.6	1452.4	1340.3	1248.4	1222.9
62.5°	1381.4	1332.3	1225.5	1141.4	1115.9
65°	1196.8	1152.2	1056.6	981.1	962.0
67.5°	1017.4	972.8	895.5	827.8	806.1
70°	900.0	855.4	785.9	723.5	704.4
72.5°	787.9	740.7	684.2	627.1	613.1
75°	619.6	581.3	538.1	495.4	482.6
77.5°	470.9	433.9	402.4	372.3	369.1
80°	371.8	339.9	316.3	296.7	293.5
82.5°	277.8	253.6	238.1	223.7	223.1
85°	143.5	133.9	130.4	114.0	107.6
87.5°	41.7	41.7	36.5	31.4	31.4
90°	0.0	0.0	0.0	0.7	0.7
92.5°	10.8	4.1	2.8	4.1	4.1
95°	39.1	11.3	12.1	7.8	7.1
97.5°	81.1	18.2	17.5	19.2	19.9
100°	113.0	37.2	19.2	22.0	22.7
102.5°	148.2	140.3	19.7	23.8	25.0
105°	204.6	212.2	21.3	24.9	26.3
107.5°	260.0	267.6	99.2	25.7	27.1
110°	296.9	304.6	314.0	26.3	27.7



TEST NUMBER: P1438638

CATALOG NUMBER: CB2-030U-120D-935-1D-UNV-STD-W-8

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	331.6	340.9	348.1	58.6	28.8
115°	387.2	395.5	399.2	403.9	231.6
117.5°	436.2	446.5	450.7	458.7	466.4
120°	470.3	480.0	483.1	491.1	499.4
122.5°	503.8	512.4	514.3	523.5	531.2
125°	549.9	559.6	559.8	569.2	576.8
127.5°	595.9	604.2	603.8	610.9	619.3
130°	626.6	632.1	632.3	638.1	647.2
132.5°	652.1	659.9	660.1	664.9	673.9
135°	691.9	700.3	699.0	703.5	712.5
137.5°	729.3	737.4	735.1	738.9	748.2
140°	753.7	760.7	757.3	761.1	771.5
142.5°	776.5	783.4	778.3	781.5	792.5
145°	809.9	816.1	810.6	811.5	821.9
147.5°	839.6	845.7	839.0	839.9	849.6
150°	858.9	864.4	856.0	857.0	866.7
152.5°	875.9	880.9	871.9	871.8	883.2
155°	899.4	904.9	895.1	893.3	905.8
157.5°	920.7	925.8	916.0	914.6	924.4
160°	934.9	938.4	928.5	926.6	936.3
162.5°	944.5	948.6	938.7	935.7	945.4
165°	959.0	961.8	951.9	947.9	957.6
167.5°	971.5	974.7	962.0	958.4	968.8
170°	978.9	981.0	968.3	963.5	974.0
172.5°	983.5	985.0	972.3	966.9	974.0
175°	987.5	989.5	976.8	970.5	975.4
177.5°	988.2	989.3	979.6	974.1	982.5
180°	982.5	982.5	982.5	982.5	982.5

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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	21.83	23.00	22.51	23.69	24.49	20.73	21.90	21.41	22.59	23.39
	3H	23.50	24.55	24.19	25.25	26.09	22.28	23.33	22.97	24.03	24.87
	4H	24.14	25.13	24.85	25.84	26.69	22.87	23.85	23.58	24.57	25.42
	6H	24.56	25.47	25.28	26.19	27.06	23.26	24.17	23.98	24.89	25.75
	8H	24.72	25.58	25.45	26.32	27.19	23.40	24.27	24.14	25.01	25.88
	12H	24.80	25.63	25.54	26.36	27.26	23.48	24.30	24.22	25.04	25.94
4H	2H	22.28	23.26	22.99	23.97	24.83	21.40	22.39	22.11	23.10	23.95
	3H	24.17	24.99	24.90	25.74	26.61	23.16	23.99	23.89	24.74	25.61
	4H	24.93	25.68	25.67	26.43	27.33	23.85	24.60	24.59	25.35	26.25
	6H	25.47	26.11	26.23	26.89	27.80	24.34	24.99	25.10	25.76	26.67
	8H	25.68	26.28	26.44	27.05	27.98	24.54	25.14	25.30	25.91	26.84
	12H	25.80	26.34	26.58	27.14	28.06	24.64	25.18	25.42	25.98	26.90
8H	4H	25.11	25.71	25.87	26.49	27.41	24.15	24.75	24.91	25.52	26.44
	6H	25.76	26.26	26.56	27.08	28.00	24.76	25.26	25.56	26.08	27.00
	8H	26.06	26.50	26.86	27.32	28.26	25.04	25.49	25.85	26.30	27.24
	12H	26.25	26.64	27.05	27.44	28.44	25.20	25.60	26.01	26.40	27.40
12H	4H	25.10	25.65	25.89	26.44	27.37	24.16	24.71	24.95	25.50	26.43
	6H	25.80	26.24	26.60	27.06	27.99	24.83	25.27	25.63	26.09	27.03
	8H	26.13	26.52	26.93	27.32	28.32	25.15	25.54	25.95	26.34	27.34