

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: P1439110

Luminaire Tested: CB3-030U-030D-840-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439110
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-840-1D-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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

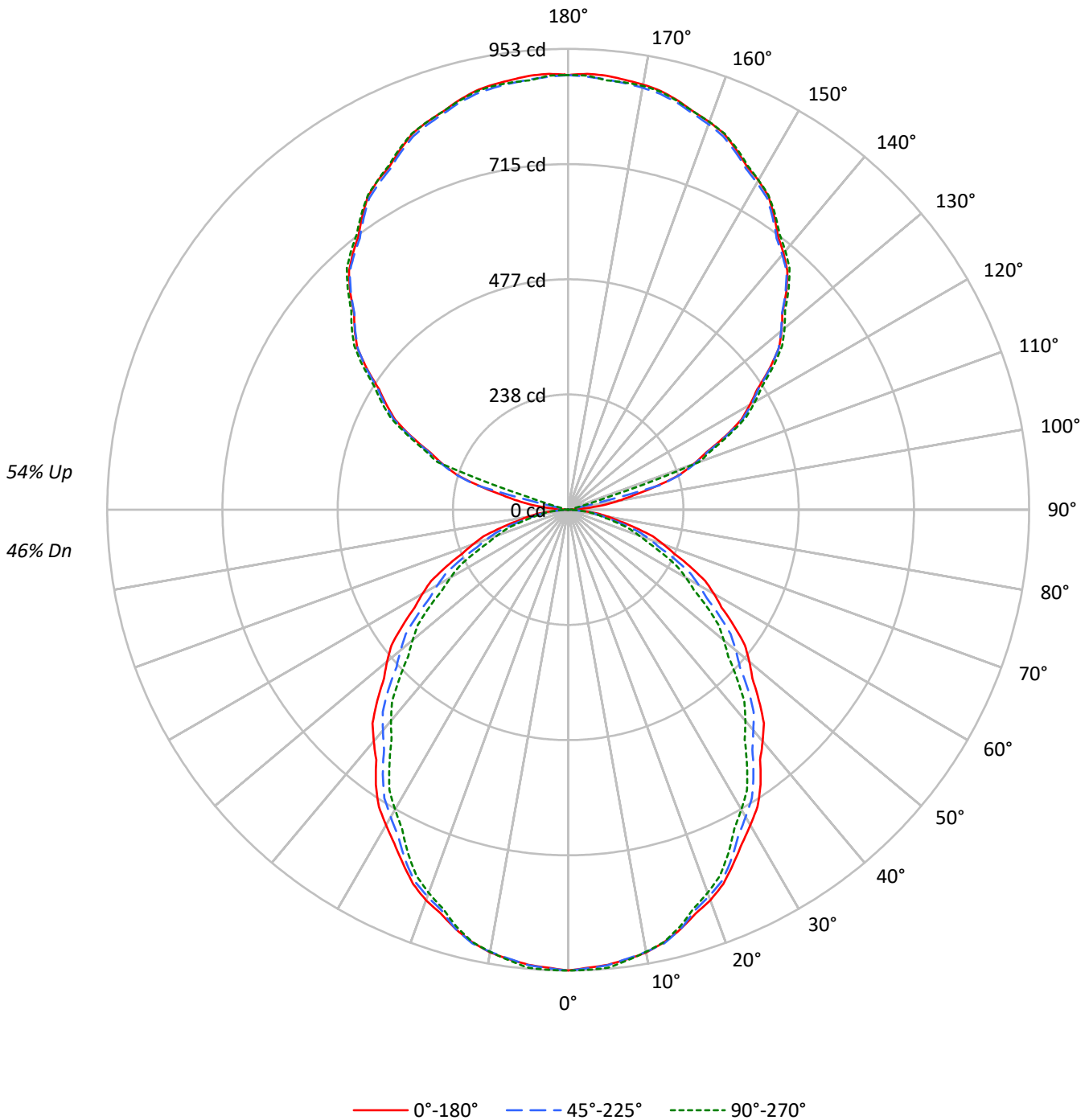
Lumens per Lamp: N/A
Luminaire Lumens: 4934.3 lumens
Efficiency: N/A
Efficacy: 142.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 34.6
Input Voltage (V): 120
Input Current (A_{in}): 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	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°	5391	5391	5391
5°	5365	5369	5399
10°	5341	5334	5334
15°	5259	5259	5228
20°	5174	5122	5076
25°	5044	4981	4892
30°	4920	4792	4677
35°	4791	4613	4450
40°	4618	4398	4208
45°	4461	4207	3947
50°	4300	3979	3693
55°	4125	3758	3451
60°	3935	3530	3177
65°	3715	3270	2890
70°	3459	2966	2575
75°	3137	2603	2293
80°	2733	2183	2030
85°	2110	1843	1843

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4461 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.9	1.8
10°-20°	252.6	5.1
20°-30°	367.0	7.4
30°-40°	417.2	8.5
40°-50°	405.0	8.2
50°-60°	342.0	6.9
60°-70°	243.3	4.9
70°-80°	130.0	2.6
80°-90°	34.4	0.7
90°-100°	20.8	0.4
100°-110°	150.3	3.0
110°-120°	357.4	7.2
120°-130°	456.6	9.3
130°-140°	492.5	10.0
140°-150°	464.3	9.4
150°-160°	378.8	7.7
160°-170°	246.8	5.0
170°-180°	85.3	1.7
0°-30°	709.4	14.4
0°-40°	1126.7	22.8
0°-60°	1873.6	38.0
0°-90°	2281.3	46.2
90°-120°	528.5	10.7
90°-150°	1942.1	39.4
90°-180°	2653.0	53.8
0°-180°	4934.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	953	953	953	953	953	
5°	945	957	945	944	951	90
15°	898	906	898	893	893	253
25°	808	811	798	787	784	372
35°	694	687	668	648	644	432
45°	558	549	526	501	493	430
55°	418	407	381	356	350	374
65°	278	268	244	222	216	275
75°	144	136	119	107	105	153
85°	32	30	28	28	28	38
90°	0	0	0	1	0	3
95°	38	7	9	10	10	47
105°	190	193	196	14	15	201
115°	357	360	360	366	368	352
125°	507	511	509	515	518	453
135°	638	641	635	640	644	491
145°	742	746	737	742	746	464
155°	822	828	817	819	824	379
165°	876	880	871	869	874	247
175°	901	906	894	889	892	86
180°	899	899	899	899	899	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	952.9	952.9	952.9	952.9	952.9
2.5°	948.0	957.5	949.1	950.2	952.3
5°	944.7	956.6	945.4	944.2	950.8
7.5°	937.4	948.3	936.6	933.9	939.9
10°	929.8	941.8	928.5	925.2	928.5
12.5°	916.3	928.7	918.2	912.7	915.5
15°	898.0	906.0	898.0	892.6	892.6
17.5°	875.7	884.0	869.1	865.3	863.8
20°	859.5	866.7	850.7	845.2	843.2
22.5°	837.8	844.6	831.2	821.9	819.4
25°	808.0	810.7	797.9	787.0	783.7
27.5°	778.1	778.8	761.2	748.0	743.6
30°	753.2	753.9	733.6	719.3	716.0
32.5°	728.3	726.3	707.1	690.1	687.8
35°	693.7	687.0	667.9	648.2	644.3
37.5°	651.8	647.9	625.3	605.5	599.6
40°	625.3	618.7	595.5	575.8	569.8
42.5°	598.8	591.1	567.4	545.4	539.0
45°	557.6	549.0	525.8	500.6	493.3
47.5°	516.2	506.8	481.3	456.9	448.8
50°	488.6	478.7	452.1	428.2	419.6
52.5°	460.5	450.0	423.4	399.0	392.0
55°	418.2	407.0	381.0	356.5	349.9
57.5°	376.0	364.9	339.0	315.9	307.9
60°	347.8	337.3	312.0	288.8	280.8
62.5°	319.2	309.1	284.4	261.7	254.3
65°	277.5	267.5	244.3	222.5	215.9
67.5°	236.2	227.7	204.8	184.8	179.5
70°	209.1	201.2	179.3	160.9	155.7
72.5°	183.1	174.7	153.9	138.2	134.5
75°	143.5	135.5	119.1	106.9	104.9
77.5°	107.2	100.7	86.5	79.6	78.5
80°	83.9	78.0	67.0	62.3	62.3
82.5°	62.3	57.4	50.2	48.2	48.2
85°	32.5	29.8	28.4	28.4	28.4
87.5°	9.7	9.7	9.2	8.8	8.7
90°	0.0	0.0	0.0	0.7	0.0
92.5°	10.3	3.9	3.3	3.9	3.8
95°	37.9	6.8	8.8	9.5	9.5
97.5°	76.4	75.0	10.3	12.3	12.5
100°	105.7	109.0	10.8	12.9	13.5
102.5°	138.2	141.0	20.1	13.4	14.1
105°	190.4	193.0	195.8	14.2	14.9
107.5°	242.2	244.2	246.0	221.5	82.9
110°	276.4	278.4	279.1	285.9	287.2



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	308.4	310.9	312.2	317.9	320.3
115°	357.0	359.7	360.4	365.9	367.8
117.5°	403.2	406.0	407.3	411.7	414.9
120°	433.5	436.9	437.6	443.1	445.7
122.5°	463.4	467.2	466.9	471.8	475.5
125°	507.4	510.7	509.4	514.9	518.2
127.5°	549.3	551.2	548.4	555.1	557.9
130°	575.8	577.8	574.5	580.6	583.9
132.5°	600.2	603.2	599.4	605.0	608.3
135°	637.5	640.8	635.4	640.3	644.2
137.5°	670.6	674.6	668.2	673.8	677.3
140°	692.3	696.3	688.3	694.4	698.4
142.5°	712.4	717.4	707.8	713.4	717.9
145°	741.8	746.4	737.0	741.9	745.8
147.5°	769.7	773.7	764.7	768.1	770.9
150°	786.5	790.5	780.4	783.9	787.2
152.5°	800.0	805.6	795.6	798.0	802.9
155°	821.7	828.3	817.0	819.1	824.4
157.5°	841.6	847.6	836.2	838.1	842.7
160°	853.5	859.5	848.1	848.9	853.5
162.5°	862.8	868.2	858.4	857.1	862.8
165°	875.9	880.5	871.2	868.6	874.5
167.5°	886.9	892.2	880.6	878.5	885.3
170°	892.8	898.1	886.1	882.8	890.1
172.5°	896.6	901.4	889.9	885.5	891.2
175°	901.0	905.6	893.5	888.8	891.5
177.5°	902.2	905.9	896.2	892.0	898.4
180°	898.9	898.9	898.9	898.9	898.9



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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	12.64	13.46	13.63	14.46	15.79	11.56	12.38	12.56	13.38	14.71
	3H	14.31	15.04	15.31	16.05	17.40	12.98	13.71	13.98	14.72	16.06
	4H	14.93	15.63	15.95	16.64	18.00	13.49	14.18	14.50	15.20	16.55
	6H	15.32	15.96	16.34	16.97	18.34	13.81	14.45	14.83	15.46	16.83
	8H	15.45	16.06	16.48	17.10	18.46	13.93	14.54	14.96	15.57	16.93
	12H	15.52	16.10	16.55	17.13	18.51	14.00	14.58	15.04	15.61	16.99
4H	2H	13.05	13.74	14.07	14.75	16.11	12.19	12.88	13.21	13.89	15.25
	3H	14.93	15.51	15.96	16.55	17.92	13.80	14.38	14.83	15.42	16.79
	4H	15.68	16.21	16.71	17.24	18.63	14.41	14.94	15.44	15.97	17.36
	6H	16.18	16.63	17.22	17.69	19.08	14.82	15.27	15.86	16.33	17.72
	8H	16.37	16.79	17.42	17.84	19.24	14.99	15.41	16.03	16.46	17.86
	12H	16.46	16.85	17.53	17.91	19.32	15.09	15.47	16.16	16.54	17.94
8H	4H	15.80	16.23	16.85	17.28	18.68	14.67	15.09	15.71	16.14	17.54
	6H	16.42	16.77	17.49	17.86	19.26	15.19	15.54	16.26	16.64	18.03
	8H	16.70	17.01	17.78	18.08	19.50	15.44	15.75	16.52	16.83	18.25
	12H	16.86	17.13	17.94	18.20	19.66	15.62	15.89	16.70	16.96	18.42
12H	4H	15.77	16.16	16.84	17.22	18.63	14.67	15.05	15.73	16.11	17.52
	6H	16.44	16.75	17.52	17.82	19.24	15.25	15.56	16.33	16.63	18.05
	8H	16.74	17.01	17.82	18.08	19.54	15.53	15.80	16.61	16.87	18.33