

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: P1439141

Luminaire Tested: CB3-030U-085D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439141
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-930-1D-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: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

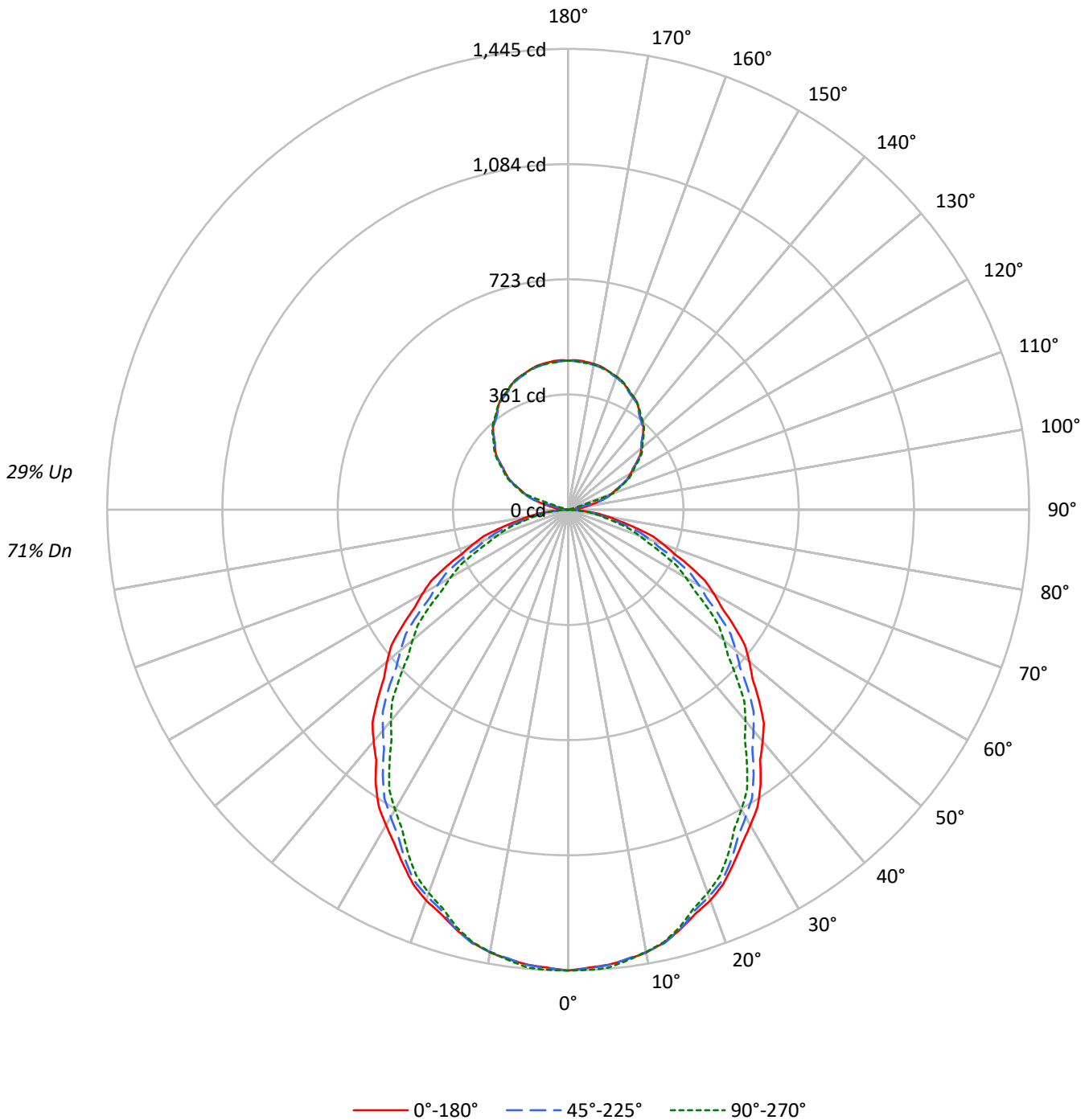
Lumens per Lamp: N/A
Luminaire Lumens: 4839.2 lumens
Efficiency: N/A
Efficacy: 143.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 33.8
Input Voltage (V): 120
Input Current (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	50	30	10	0		
RCR																										
0	112	112	112	112	106	106	106	106	95	95	95	85	85	85	76	76	76	76	76	76	76	76	76	71		
1	103	98	95	91	97	93	90	87	84	81	79	75	73	72	68	66	65	65	65	65	65	65	65	61		
2	94	86	80	75	89	82	76	72	74	70	66	67	63	60	60	57	55	55	55	55	55	55	55	51		
3	86	76	69	63	81	72	66	60	66	60	56	59	55	51	53	50	47	47	47	47	47	47	47	44		
4	79	68	60	53	74	64	57	52	58	53	48	53	48	44	48	44	41	41	41	41	41	41	41	38		
5	72	61	52	46	68	58	50	45	53	46	42	48	43	39	43	39	36	36	36	36	36	36	36	33		
6	67	55	46	40	63	52	45	39	48	41	36	43	38	34	39	35	32	32	32	32	32	32	32	29		
7	62	49	41	36	59	47	40	34	43	37	32	39	34	30	36	31	28	28	28	28	28	28	28	26		
8	58	45	37	32	55	43	36	31	40	33	29	36	31	27	33	29	25	25	25	25	25	25	25	23		
9	54	41	34	28	51	40	33	28	36	30	26	33	28	25	31	26	23	23	23	23	23	23	23	21		
10	50	38	31	26	48	37	30	25	34	28	24	31	26	22	28	24	21	21	21	21	21	21	21	19		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16350	16350	16350
5°	16272	16284	16377
10°	16201	16177	16177
15°	15952	15952	15856
20°	15694	15533	15396
25°	15298	15106	14836
30°	14923	14535	14186
35°	14529	13991	13495
40°	14007	13339	12763
45°	13531	12759	11971
50°	13043	12066	11200
55°	12510	11398	10467
60°	11937	10706	9638
65°	11266	9919	8765
70°	10490	8998	7807
75°	9513	7895	6955
80°	8295	6620	6151
85°	6400	5595	5595

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13531 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.3	2.8
10°-20°	383.0	7.9
20°-30°	556.5	11.5
30°-40°	632.7	13.1
40°-50°	614.2	12.7
50°-60°	518.6	10.7
60°-70°	368.9	7.6
70°-80°	197.1	4.1
80°-90°	52.1	1.1
90°-100°	10.8	0.2
100°-110°	78.2	1.6
110°-120°	185.9	3.8
120°-130°	237.5	4.9
130°-140°	256.2	5.3
140°-150°	241.5	5.0
150°-160°	197.0	4.1
160°-170°	128.4	2.7
170°-180°	44.4	0.9
0°-30°	1075.8	22.2
0°-40°	1708.5	35.3
0°-60°	2841.3	58.7
0°-90°	3459.5	71.5
90°-120°	274.9	5.7
90°-150°	1010.0	20.9
90°-180°	1380.0	28.5
0°-180°	4839.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1445	1445	1445	1445	1445	
5°	1433	1451	1434	1432	1442	136
15°	1362	1374	1362	1354	1354	384
25°	1225	1229	1210	1193	1188	565
35°	1052	1042	1013	983	977	656
45°	846	833	797	759	748	652
55°	634	617	578	541	531	567
65°	421	406	370	337	327	417
75°	218	206	181	162	159	232
85°	49	45	43	43	43	58
90°	0	0	0	0	0	3
95°	20	4	5	5	5	24
105°	99	100	102	7	8	104
115°	186	187	187	190	191	183
125°	264	266	265	268	270	235
135°	332	333	330	333	335	255
145°	386	388	383	386	388	241
155°	427	431	425	426	429	197
165°	456	458	453	452	455	129
175°	469	471	465	462	464	45
180°	468	468	468	468	468	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1445.0	1445.0	1445.0	1445.0	1445.0
2.5°	1437.6	1452.0	1439.2	1440.9	1444.2
5°	1432.7	1450.7	1433.7	1431.9	1441.9
7.5°	1421.6	1438.0	1420.3	1416.2	1425.3
10°	1410.1	1428.1	1408.0	1403.0	1408.0
12.5°	1389.6	1408.4	1392.4	1384.1	1388.3
15°	1361.8	1373.9	1361.8	1353.6	1353.6
17.5°	1328.0	1340.6	1317.9	1312.1	1309.9
20°	1303.4	1314.4	1290.0	1281.7	1278.7
22.5°	1270.5	1280.7	1260.5	1246.4	1242.6
25°	1225.4	1229.4	1210.0	1193.4	1188.4
27.5°	1180.0	1181.0	1154.3	1134.3	1127.7
30°	1142.2	1143.2	1112.5	1090.8	1085.8
32.5°	1104.5	1101.5	1072.2	1046.5	1043.1
35°	1051.9	1041.9	1012.9	983.0	977.0
37.5°	988.5	982.5	948.3	918.3	909.3
40°	948.3	938.2	903.1	873.1	864.1
42.5°	908.0	896.4	860.4	827.1	817.3
45°	845.6	832.6	797.4	759.2	748.1
47.5°	782.8	768.6	729.9	692.9	680.6
50°	741.0	725.9	685.5	649.3	636.3
52.5°	698.3	682.4	642.0	605.0	594.4
55°	634.2	617.2	577.8	540.6	530.6
57.5°	570.2	553.3	514.2	479.0	466.9
60°	527.5	511.4	473.1	437.9	425.9
62.5°	484.0	468.7	431.2	396.9	385.7
65°	420.8	405.7	370.5	337.4	327.4
67.5°	358.2	345.3	310.5	280.2	272.2
70°	317.1	305.1	272.0	244.1	236.0
72.5°	277.7	264.9	233.4	209.6	204.0
75°	217.6	205.5	180.6	162.1	159.1
77.5°	162.6	152.7	131.2	120.7	119.0
80°	127.3	118.2	101.6	94.4	94.4
82.5°	94.4	87.0	76.1	73.1	73.1
85°	49.3	45.2	43.1	43.1	43.1
87.5°	14.8	14.8	14.0	13.2	13.1
90°	0.0	0.0	0.0	0.3	0.0
92.5°	5.4	2.0	1.7	2.0	2.0
95°	19.7	3.5	4.6	4.9	4.9
97.5°	39.7	39.0	5.4	6.4	6.5
100°	55.0	56.7	5.6	6.7	7.0
102.5°	71.9	73.3	10.4	7.0	7.3
105°	99.0	100.4	101.8	7.4	7.8
107.5°	126.0	127.0	128.0	115.2	43.1
110°	143.7	144.8	145.1	148.7	149.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	160.4	161.7	162.3	165.3	166.6
115°	185.7	187.0	187.4	190.3	191.3
117.5°	209.7	211.1	211.8	214.1	215.7
120°	225.5	227.2	227.6	230.4	231.8
122.5°	241.0	243.0	242.8	245.4	247.3
125°	263.9	265.6	264.9	267.8	269.5
127.5°	285.6	286.7	285.2	288.7	290.2
130°	299.5	300.5	298.8	302.0	303.7
132.5°	312.1	313.7	311.7	314.6	316.4
135°	331.5	333.2	330.5	333.0	335.0
137.5°	348.8	350.8	347.5	350.4	352.2
140°	360.1	362.1	357.9	361.2	363.2
142.5°	370.5	373.1	368.1	371.0	373.4
145°	385.8	388.2	383.3	385.8	387.9
147.5°	400.3	402.4	397.7	399.5	400.9
150°	409.0	411.1	405.9	407.7	409.4
152.5°	416.1	419.0	413.7	415.0	417.5
155°	427.3	430.8	424.9	426.0	428.8
157.5°	437.7	440.8	434.9	435.9	438.3
160°	443.9	447.0	441.1	441.5	443.9
162.5°	448.7	451.5	446.4	445.7	448.7
165°	455.5	457.9	453.1	451.7	454.8
167.5°	461.2	464.0	458.0	456.9	460.4
170°	464.3	467.1	460.8	459.1	462.9
172.5°	466.3	468.8	462.8	460.5	463.5
175°	468.6	471.0	464.7	462.3	463.6
177.5°	469.2	471.1	466.1	463.9	467.2
180°	467.5	467.5	467.5	467.5	467.5



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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	18.65	19.72	19.40	20.49	21.42	17.57	18.65	18.32	19.42	20.34
	3H	20.33	21.30	21.09	22.08	23.03	19.00	19.96	19.76	20.74	21.70
	4H	20.97	21.88	21.75	22.67	23.64	19.53	20.44	20.31	21.23	22.20
	6H	21.37	22.21	22.16	23.00	23.99	19.85	20.69	20.65	21.49	22.48
	8H	21.51	22.31	22.31	23.13	24.11	19.98	20.78	20.79	21.60	22.59
	12H	21.58	22.35	22.39	23.16	24.17	20.07	20.83	20.88	21.64	22.65
4H	2H	19.08	19.99	19.87	20.78	21.75	18.22	19.13	19.01	19.92	20.89
	3H	20.99	21.75	21.79	22.57	23.56	19.86	20.62	20.66	21.44	22.43
	4H	21.75	22.44	22.56	23.26	24.28	20.48	21.17	21.29	21.99	23.00
	6H	22.26	22.86	23.09	23.71	24.73	20.90	21.50	21.73	22.34	23.37
	8H	22.46	23.01	23.29	23.86	24.89	21.07	21.63	21.91	22.48	23.51
	12H	22.57	23.07	23.42	23.93	24.97	21.19	21.69	22.04	22.56	23.59
8H	4H	21.89	22.45	22.73	23.29	24.33	20.75	21.31	21.59	22.15	23.19
	6H	22.52	22.98	23.38	23.87	24.90	21.29	21.75	22.15	22.64	23.67
	8H	22.80	23.21	23.67	24.09	25.14	21.55	21.95	22.42	22.84	23.89
	12H	22.97	23.33	23.85	24.20	25.31	21.73	22.09	22.61	22.96	24.07
12H	4H	21.88	22.38	22.73	23.24	24.28	20.77	21.27	21.62	22.13	23.17
	6H	22.54	22.95	23.41	23.83	24.88	21.35	21.76	22.22	22.64	23.69
	8H	22.85	23.21	23.72	24.08	25.19	21.64	22.00	22.52	22.87	23.98