

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: P1439142

Luminaire Tested: CB3-030U-085D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439142
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-8
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

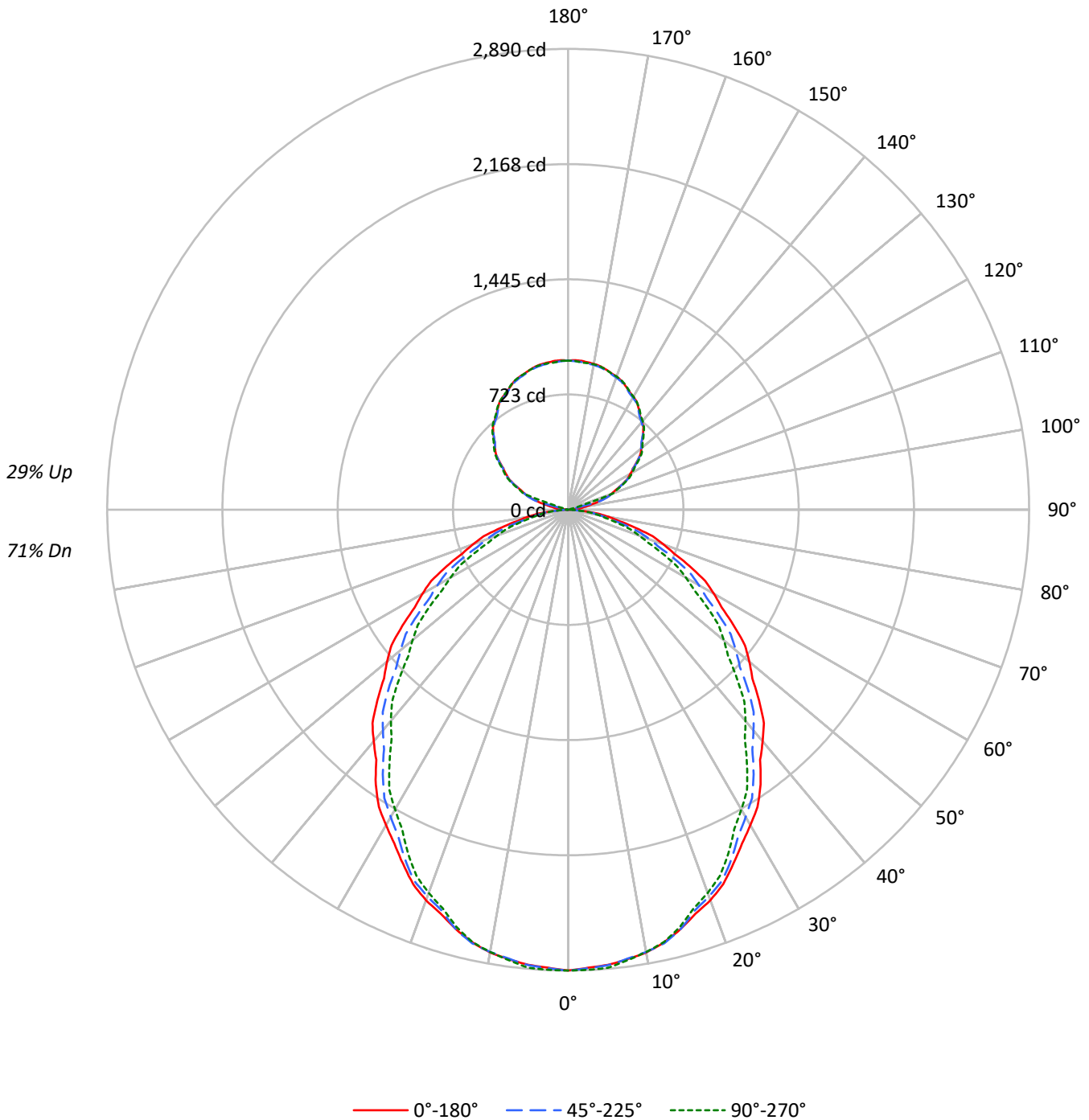
Lumens per Lamp: N/A
Luminaire Lumens: 9678.4 lumens
Efficiency: N/A
Efficacy: 138.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 69.9
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

TEST NUMBER: P1439142

CATALOG NUMBER: CB3-030U-085D-930-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P1439142

CATALOG NUMBER: CB3-030U-085D-930-1D-UNV-STD-W-8

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	112	112	112	112	106	106	106	106	95	95	95	85	85	85	76	76	76	71
1	103	98	95	91	97	93	90	87	84	81	79	75	73	72	68	66	65	61
2	94	86	80	75	89	82	76	72	74	70	66	67	63	60	60	57	55	51
3	86	76	69	63	81	72	66	60	66	60	56	59	55	51	53	50	47	44
4	79	68	60	53	74	64	57	52	58	53	48	53	48	44	48	44	41	38
5	72	61	52	46	68	58	50	45	53	46	42	48	43	39	43	39	36	33
6	67	55	46	40	63	52	45	39	48	41	36	43	38	34	39	35	32	29
7	62	49	41	36	59	47	40	34	43	37	32	39	34	30	36	31	28	26
8	58	45	37	32	55	43	36	31	40	33	29	36	31	27	33	29	25	23
9	54	41	34	28	51	40	33	28	36	30	26	33	28	25	31	26	23	21
10	50	38	31	26	48	37	30	25	34	28	24	31	26	22	28	24	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°	15693	15533	15396
25°	15298	15105	14836
30°	14923	14534	14186
35°	14529	13991	13495
40°	14006	13339	12763
45°	13531	12759	11971
50°	13042	12067	11200
55°	12511	11398	10467
60°	11937	10706	9638
65°	11265	9919	8765
70°	10490	8997	7809
75°	9510	7895	6953
80°	8291	6620	6151
85°	6394	5595	5595

MAXIMUM LUMINANCE 45°-90°:

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



TEST NUMBER: P1439142

CATALOG NUMBER: CB3-030U-085D-930-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	272.7	2.8
10°-20°	766.1	7.9
20°-30°	1113.0	11.5
30°-40°	1265.4	13.1
40°-50°	1228.4	12.7
50°-60°	1037.1	10.7
60°-70°	737.9	7.6
70°-80°	394.2	4.1
80°-90°	104.2	1.1
90°-100°	21.6	0.2
100°-110°	156.4	1.6
110°-120°	371.8	3.8
120°-130°	475.0	4.9
130°-140°	512.3	5.3
140°-150°	483.0	5.0
150°-160°	394.0	4.1
160°-170°	256.7	2.7
170°-180°	88.7	0.9
0°-30°	2151.7	22.2
0°-40°	3417.1	35.3
0°-60°	5682.6	58.7
0°-90°	6919.0	71.5
90°-120°	549.7	5.7
90°-150°	2020.0	20.9
90°-180°	2759.0	28.5
0°-180°	9678.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2890	2890	2890	2890	2890	
5°	2865	2901	2867	2864	2884	272
15°	2724	2748	2724	2707	2707	767
25°	2451	2459	2420	2387	2377	1129
35°	2104	2084	2026	1966	1954	1311
45°	1691	1665	1595	1518	1496	1305
55°	1268	1234	1156	1081	1061	1134
65°	842	811	741	675	655	834
75°	435	411	361	324	318	464
85°	98	90	86	86	86	117
90°	0	0	0	1	0	6
95°	40	7	9	10	10	49
105°	198	201	204	15	16	209
115°	371	374	375	380	383	366
125°	528	531	530	536	539	471
135°	663	666	661	666	670	511
145°	772	776	767	772	776	483
155°	855	862	850	852	858	394
165°	911	916	906	903	910	257
175°	937	942	929	924	927	89
180°	935	935	935	935	935	

TEST NUMBER: P1439142

CATALOG NUMBER: CB3-030U-085D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2890.0	2890.0	2890.0	2890.0	2890.0
2.5°	2875.2	2904.1	2878.5	2881.9	2888.3
5°	2865.3	2901.4	2867.4	2863.7	2883.8
7.5°	2843.2	2876.1	2840.7	2832.5	2850.5
10°	2820.2	2856.3	2816.1	2806.0	2816.1
12.5°	2779.1	2816.8	2784.9	2768.2	2776.7
15°	2723.7	2747.8	2723.7	2707.3	2707.3
17.5°	2656.0	2681.3	2635.9	2624.3	2619.8
20°	2606.7	2628.8	2580.0	2563.5	2557.4
22.5°	2541.0	2561.5	2520.9	2492.8	2485.2
25°	2450.7	2458.7	2419.9	2386.9	2376.8
27.5°	2360.0	2362.0	2308.7	2268.6	2255.3
30°	2284.5	2286.5	2224.9	2181.6	2171.6
32.5°	2208.9	2202.9	2144.5	2093.0	2086.2
35°	2103.8	2083.8	2025.8	1966.0	1954.0
37.5°	1977.0	1965.0	1896.5	1836.6	1818.5
40°	1896.5	1876.5	1806.2	1746.3	1728.2
42.5°	1816.1	1792.8	1720.8	1654.3	1634.6
45°	1691.3	1665.2	1594.8	1518.4	1496.3
47.5°	1565.7	1537.2	1459.8	1385.7	1361.2
50°	1481.9	1451.8	1371.1	1298.7	1272.6
52.5°	1396.5	1364.8	1284.1	1210.1	1188.8
55°	1268.5	1234.3	1155.6	1081.2	1061.2
57.5°	1140.4	1106.7	1028.3	958.0	933.9
60°	1055.0	1022.9	946.2	875.9	851.8
62.5°	968.0	937.5	862.5	793.8	771.3
65°	841.5	811.4	741.0	674.8	654.8
67.5°	716.3	690.6	621.1	560.4	544.3
70°	634.2	610.1	543.9	488.1	472.1
72.5°	555.4	529.7	466.7	419.3	408.0
75°	435.1	411.1	361.2	324.2	318.1
77.5°	325.1	305.5	262.3	241.3	238.1
80°	254.5	236.5	203.2	188.8	188.8
82.5°	188.8	174.0	152.3	146.1	146.1
85°	98.5	90.5	86.2	86.2	86.2
87.5°	29.6	29.6	27.9	26.4	26.3
90°	0.0	0.0	0.0	0.7	0.0
92.5°	10.7	4.1	3.4	4.1	3.9
95°	39.5	7.1	9.2	9.9	9.9
97.5°	79.5	78.0	10.7	12.8	13.0
100°	109.9	113.4	11.3	13.4	14.1
102.5°	143.7	146.6	20.9	14.0	14.7
105°	198.0	200.7	203.6	14.8	15.5
107.5°	252.0	254.0	255.9	230.4	86.2
110°	287.5	289.5	290.3	297.4	298.8



TEST NUMBER: P1439142

CATALOG NUMBER: CB3-030U-085D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	320.7	323.4	324.7	330.7	333.1
115°	371.3	374.1	374.8	380.5	382.6
117.5°	419.4	422.3	423.6	428.2	431.5
120°	450.9	454.4	455.2	460.9	463.6
122.5°	481.9	485.9	485.6	490.8	494.6
125°	527.7	531.2	529.9	535.6	539.0
127.5°	571.3	573.4	570.4	577.4	580.3
130°	598.9	601.0	597.5	603.9	607.4
132.5°	624.3	627.4	623.4	629.3	632.7
135°	663.0	666.5	660.9	665.9	670.1
137.5°	697.6	701.7	695.0	700.9	704.5
140°	720.1	724.2	715.9	722.3	726.4
142.5°	741.0	746.2	736.2	742.1	746.7
145°	771.5	776.4	766.6	771.6	775.8
147.5°	800.6	804.7	795.4	798.9	801.8
150°	818.0	822.2	811.7	815.3	818.8
152.5°	832.1	837.9	827.5	830.0	835.1
155°	854.7	861.6	849.8	852.0	857.5
157.5°	875.4	881.6	869.8	871.7	876.5
160°	887.8	894.0	882.2	883.0	887.8
162.5°	897.4	903.0	892.9	891.5	897.4
165°	911.1	915.9	906.1	903.4	909.6
167.5°	922.5	928.0	916.0	913.7	920.8
170°	928.7	934.2	921.6	918.3	925.8
172.5°	932.6	937.6	925.6	921.1	927.0
175°	937.1	941.9	929.4	924.5	927.3
177.5°	938.4	942.3	932.2	927.8	934.4
180°	935.0	935.0	935.0	935.0	935.0



TEST NUMBER: P1439142

CATALOG NUMBER: CB3-030U-085D-930-1D-UNV-STD-W-8

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	23.36
	8H	22.46	23.01	23.29	23.86	24.89	21.07	21.63	21.91	22.47	23.51
	12H	22.56	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	21.54	21.95	22.42	22.83	23.89
	12H	22.97	23.33	23.85	24.20	25.31	21.73	22.09	22.60	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