

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: P1439044

Luminaire Tested: CB2-D-085U-030D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439044
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-13, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-D-085U-030D-930-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

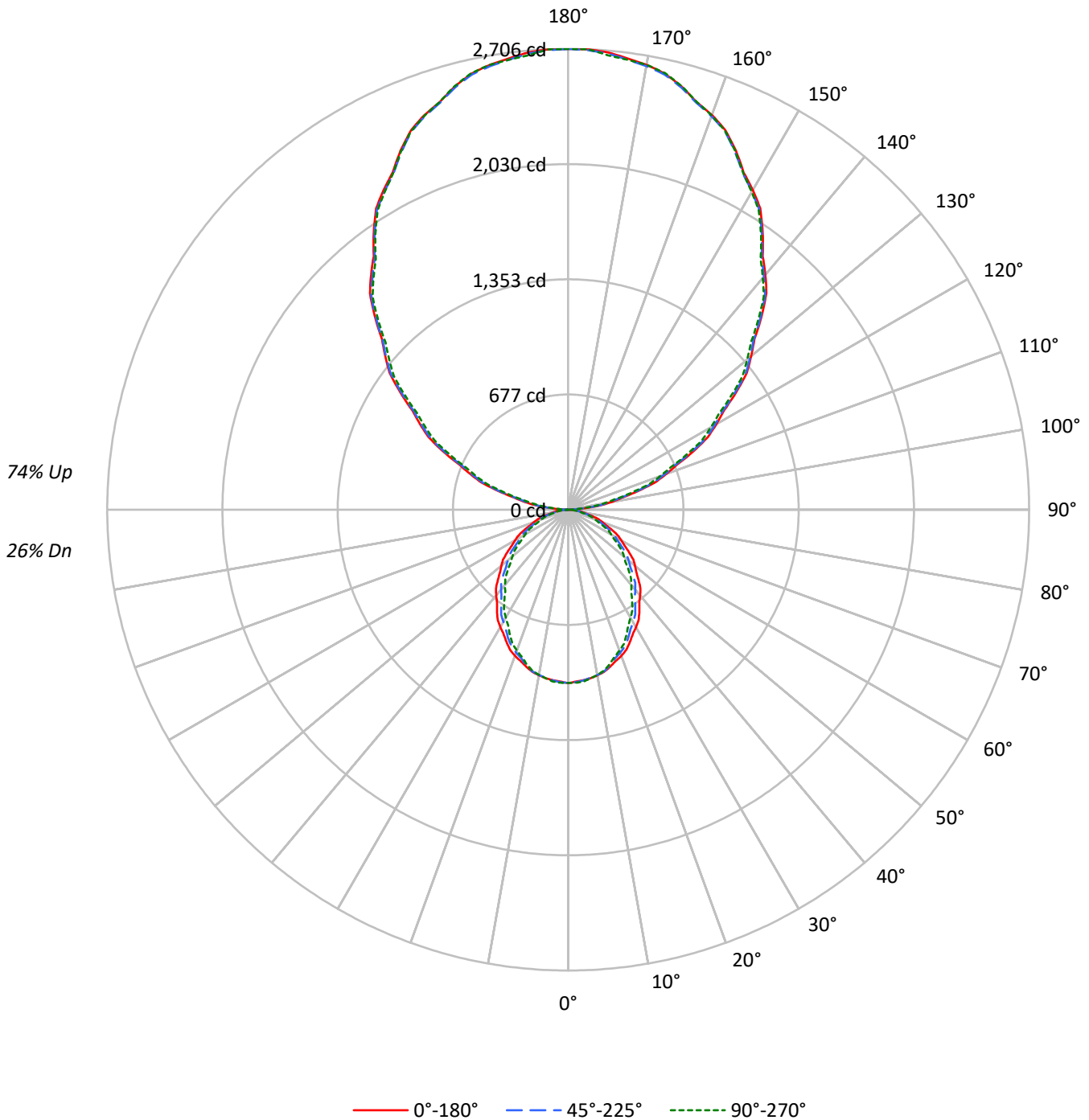
Lumens per Lamp: N/A
Luminaire Lumens: 9273.0 lumens
Efficiency: N/A
Efficacy: 122.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 76
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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CATALOG NUMBER: CB2-D-085U-030D-930-1D-UNV-STD-W-8

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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	92	88	85	81	82	79	76	73	61	59	57	45	44	42	30	29	29	22
2	84	77	71	66	75	69	64	60	54	50	47	39	37	36	26	25	24	18
3	77	68	61	55	68	61	55	50	47	43	40	35	32	30	23	22	21	16
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	19	18	14
5	64	53	46	40	57	48	41	36	38	33	29	28	25	22	19	17	16	12
6	59	48	40	34	53	43	36	31	34	29	25	25	22	20	17	15	14	10
7	55	43	35	30	49	39	32	27	30	26	22	23	20	17	16	14	12	9
8	51	39	31	26	45	35	29	24	28	23	20	21	18	15	14	12	11	8
9	47	35	28	23	42	32	26	21	25	21	17	19	16	14	13	11	10	8
10	44	32	25	21	39	29	23	19	23	19	16	18	14	12	12	10	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8862	8862	8862
5°	8787	8801	8862
10°	8737	8717	8709
15°	8598	8543	8472
20°	8463	8276	8160
25°	8236	8004	7779
30°	8008	7656	7365
35°	7745	7298	6950
40°	7468	6962	6555
45°	7188	6612	6170
50°	6935	6270	5796
55°	6624	5915	5442
60°	6270	5577	5089
65°	5893	5203	4737
70°	5477	4782	4285
75°	4980	4327	3880
80°	4453	3791	3516
85°	3427	3118	2568

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7188 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.7	1.0
10°-20°	266.8	2.9
20°-30°	383.6	4.1
30°-40°	431.1	4.6
40°-50°	416.4	4.5
50°-60°	351.9	3.8
60°-70°	252.7	2.7
70°-80°	138.1	1.5
80°-90°	36.8	0.4
90°-100°	104.5	1.1
100°-110°	431.1	4.6
110°-120°	782.5	8.4
120°-130°	1064.8	11.5
130°-140°	1229.2	13.3
140°-150°	1238.7	13.4
150°-160°	1069.0	11.5
160°-170°	724.5	7.8
170°-180°	255.6	2.8
0°-30°	746.0	8.0
0°-40°	1177.1	12.7
0°-60°	1945.4	21.0
0°-90°	2373.1	25.6
90°-120°	1318.1	14.2
90°-150°	4850.8	52.3
90°-180°	6900.0	74.4
0°-180°	9273.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1018	1018	1018	1018	1018	
5°	1005	1019	1007	1007	1014	95
15°	954	962	948	938	940	269
25°	857	858	833	814	810	395
35°	728	720	686	660	654	455
45°	584	571	537	509	501	451
55°	436	420	390	365	358	390
65°	286	275	252	234	230	284
75°	148	139	129	118	115	158
85°	34	32	31	27	26	41
90°	0	0	2	0	2	5
95°	101	89	84	65	65	118
105°	426	420	409	386	382	452
115°	810	808	794	770	768	800
125°	1205	1217	1192	1167	1169	1076
135°	1606	1625	1598	1568	1579	1237
145°	1990	2013	1982	1959	1973	1243
155°	2328	2350	2317	2303	2321	1070
165°	2572	2599	2566	2552	2575	724
175°	2695	2724	2689	2672	2678	256
180°	2706	2706	2706	2706	2706	

TEST NUMBER: P1439044

CATALOG NUMBER: CB2-D-085U-030D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1017.6	1017.6	1017.6	1017.6	1017.6
2.5°	1010.8	1023.0	1013.9	1015.2	1017.0
5°	1005.2	1018.9	1006.7	1006.9	1013.7
7.5°	998.0	1010.9	995.6	992.8	999.2
10°	988.0	1001.0	985.7	980.3	984.9
12.5°	974.9	987.3	972.6	964.1	968.1
15°	953.7	962.1	947.5	938.2	939.7
17.5°	930.7	935.8	914.8	906.9	905.4
20°	913.2	917.8	893.0	882.0	880.5
22.5°	890.8	894.7	868.6	855.2	853.1
25°	857.1	857.9	833.0	814.1	809.6
27.5°	821.9	819.5	791.8	769.5	763.6
30°	796.3	793.3	761.3	737.8	732.4
32.5°	768.9	763.4	731.3	706.0	700.6
35°	728.5	720.2	686.5	659.8	653.7
37.5°	685.5	676.1	643.0	614.0	607.1
40°	656.9	646.2	612.4	583.5	576.6
42.5°	628.2	616.3	581.9	552.9	545.4
45°	583.6	571.4	536.9	508.6	501.0
47.5°	541.2	525.7	492.1	464.1	456.4
50°	511.9	495.2	462.8	435.4	427.8
52.5°	482.0	464.6	433.5	407.3	399.7
55°	436.3	420.3	389.6	365.3	358.4
57.5°	391.2	375.8	347.7	324.5	317.8
60°	360.0	347.0	320.2	298.3	292.2
62.5°	330.1	318.3	292.8	272.7	266.6
65°	286.0	275.3	252.5	234.4	229.9
67.5°	243.1	232.4	214.0	197.8	192.6
70°	215.1	204.4	187.8	172.9	168.3
72.5°	188.3	177.0	163.5	149.8	146.5
75°	148.0	138.9	128.6	118.4	115.3
77.5°	112.5	103.7	96.2	89.0	88.2
80°	88.8	81.2	75.6	70.9	70.1
82.5°	66.4	60.6	56.9	53.4	53.3
85°	34.3	32.0	31.2	27.2	25.7
87.5°	10.0	10.0	9.1	7.5	7.9
90°	0.0	0.0	2.1	0.0	2.1
92.5°	25.3	22.0	20.7	13.6	15.6
95°	101.3	88.9	84.4	65.4	65.4
97.5°	191.2	178.8	172.2	152.7	148.6
100°	255.4	243.0	236.4	215.2	211.0
102.5°	321.2	315.4	303.9	281.0	276.9
105°	426.3	420.1	409.4	386.1	382.0
107.5°	534.3	535.6	519.6	500.4	494.7
110°	612.0	609.9	597.2	578.1	574.0



TEST NUMBER: P1439044

CATALOG NUMBER: CB2-D-085U-030D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	691.4	687.6	674.9	655.8	651.7
115°	810.4	808.3	793.5	770.2	768.2
117.5°	923.5	930.1	912.5	888.0	887.2
120°	1004.5	1012.8	991.9	970.7	966.5
122.5°	1083.9	1093.8	1072.9	1048.4	1049.3
125°	1205.0	1217.4	1192.4	1167.1	1169.1
127.5°	1321.9	1337.2	1313.9	1288.2	1290.7
130°	1401.3	1419.9	1395.0	1367.6	1371.7
132.5°	1482.3	1500.9	1476.0	1447.0	1454.5
135°	1606.0	1624.6	1597.5	1568.2	1578.6
137.5°	1722.5	1741.1	1711.5	1686.9	1699.3
140°	1800.1	1818.7	1787.5	1764.5	1776.9
142.5°	1876.1	1898.0	1865.1	1840.6	1856.3
145°	1990.1	2012.8	1981.6	1958.7	1973.2
147.5°	2098.1	2120.8	2089.3	2067.2	2082.1
150°	2167.3	2190.0	2156.8	2138.2	2154.7
152.5°	2231.5	2257.5	2222.6	2204.1	2225.6
155°	2327.7	2350.4	2317.2	2302.8	2321.4
157.5°	2411.3	2437.7	2404.6	2392.2	2407.1
160°	2467.0	2491.8	2458.6	2446.3	2462.8
162.5°	2509.2	2535.6	2504.2	2490.3	2510.1
165°	2572.5	2599.4	2566.2	2552.0	2574.6
167.5°	2622.3	2650.8	2617.3	2602.6	2625.7
170°	2652.7	2679.6	2644.3	2628.0	2652.7
172.5°	2673.0	2701.5	2664.6	2648.0	2664.6
175°	2694.9	2723.8	2688.6	2671.9	2678.1
177.5°	2705.5	2728.6	2700.4	2685.7	2705.5
180°	2705.5	2705.5	2705.5	2705.5	2705.5



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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	11.72	12.39	12.86	13.53	15.11	10.62	11.29	11.77	12.43	14.01
	3H	13.35	13.95	14.50	15.09	16.69	12.14	12.74	13.29	13.88	15.47
	4H	13.97	14.54	15.13	15.68	17.29	12.70	13.27	13.86	14.41	16.01
	6H	14.36	14.89	15.53	16.03	17.65	13.06	13.59	14.23	14.73	16.34
	8H	14.51	15.01	15.68	16.16	17.77	13.20	13.70	14.37	14.85	16.46
	12H	14.57	15.05	15.75	16.20	17.83	13.25	13.73	14.43	14.88	16.51
4H	2H	12.11	12.68	13.28	13.82	15.42	11.23	11.80	12.40	12.95	14.55
	3H	13.96	14.44	15.13	15.60	17.22	12.95	13.43	14.12	14.59	16.21
	4H	14.70	15.14	15.87	16.29	17.92	13.62	14.06	14.79	15.21	16.84
	6H	15.21	15.58	16.39	16.76	18.38	14.08	14.46	15.26	15.63	17.26
	8H	15.41	15.76	16.58	16.93	18.57	14.27	14.62	15.44	15.78	17.43
	12H	15.50	15.82	16.70	17.00	18.65	14.35	14.66	15.54	15.84	17.49
8H	4H	14.84	15.19	16.02	16.36	18.00	13.88	14.23	15.05	15.39	17.03
	6H	15.47	15.76	16.67	16.97	18.61	14.47	14.76	15.67	15.97	17.61
	8H	15.76	16.01	16.96	17.20	18.86	14.75	15.00	15.95	16.18	17.84
	12H	15.93	16.15	17.13	17.33	19.02	14.89	15.11	16.09	16.29	17.98
12H	4H	14.81	15.13	16.00	16.31	17.95	13.87	14.19	15.06	15.37	17.01
	6H	15.50	15.75	16.70	16.94	18.60	14.53	14.78	15.74	15.97	17.63
	8H	15.81	16.03	17.01	17.21	18.90	14.83	15.05	16.04	16.24	17.93