

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: P1439564

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439564
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-085U-030D-930-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

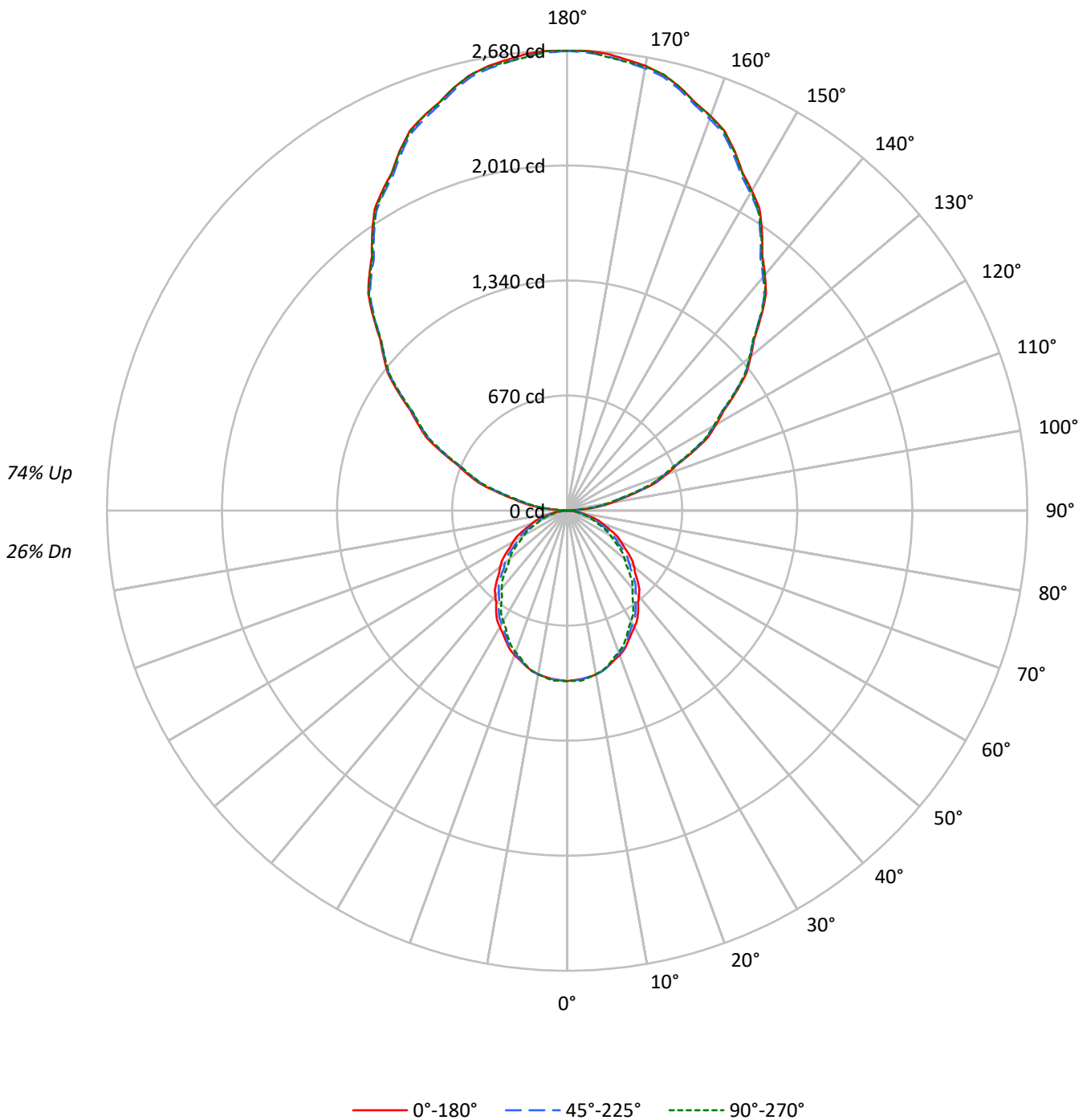
Lumens per Lamp: N/A
Luminaire Lumens: 9272.8 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 73
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: P1439564

CATALOG NUMBER: CB3-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	19	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°	5618	5618	5618
5°	5592	5596	5640
10°	5568	5560	5560
15°	5483	5483	5450
20°	5394	5339	5280
25°	5247	5180	5088
30°	5118	4984	4865
35°	4983	4798	4628
40°	4803	4574	4377
45°	4640	4376	4105
50°	4473	4138	3841
55°	4290	3909	3589
60°	4094	3672	3305
65°	3863	3401	3005
70°	3598	3085	2678
75°	3261	2708	2385
80°	2844	2271	2111
85°	2194	1921	1921

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4640 cd/sqm



TEST NUMBER: P1439564

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.7	1.0
10°-20°	263.3	2.8
20°-30°	381.9	4.1
30°-40°	434.0	4.7
40°-50°	421.3	4.5
50°-60°	355.7	3.8
60°-70°	253.1	2.7
70°-80°	135.2	1.5
80°-90°	35.7	0.4
90°-100°	113.1	1.2
100°-110°	442.6	4.8
110°-120°	788.8	8.5
120°-130°	1067.4	11.5
130°-140°	1227.2	13.2
140°-150°	1231.4	13.3
150°-160°	1059.0	11.4
160°-170°	716.8	7.7
170°-180°	252.8	2.7
0°-30°	738.9	8.0
0°-40°	1172.9	12.6
0°-60°	1949.8	21.0
0°-90°	2373.8	25.6
90°-120°	1344.4	14.5
90°-150°	4870.4	52.5
90°-180°	6899.0	74.4
0°-180°	9272.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	993	993	993	993	993	
5°	985	997	985	984	993	93
15°	936	944	936	930	930	264
25°	840	843	830	819	815	388
35°	722	715	695	674	670	450
45°	580	571	547	521	513	447
55°	435	423	396	371	364	389
65°	289	278	254	231	224	286
75°	149	141	124	111	109	159
85°	34	31	30	30	30	40
90°	0	0	0	0	0	5
95°	109	99	88	82	84	124
105°	429	427	413	406	402	458
115°	805	809	790	788	786	797
125°	1199	1213	1188	1184	1186	1072
135°	1597	1613	1587	1575	1591	1231
145°	1979	1995	1962	1952	1970	1236
155°	2309	2329	2291	2281	2305	1062
165°	2549	2571	2537	2523	2549	718
175°	2670	2694	2658	2642	2652	253
180°	2676	2676	2676	2676	2676	

TEST NUMBER: P1439564

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	993.1	993.1	993.1	993.1	993.1
2.5°	988.1	998.0	989.2	990.4	992.6
5°	984.7	997.1	985.4	984.2	993.1
7.5°	977.1	988.4	976.2	973.4	979.6
10°	969.2	981.6	967.8	964.4	967.8
12.5°	955.1	968.1	957.1	951.4	954.3
15°	936.1	944.4	936.1	930.5	930.5
17.5°	912.9	921.6	906.0	902.0	900.1
20°	896.0	903.6	886.9	881.1	877.1
22.5°	873.5	880.5	866.6	855.3	852.3
25°	840.5	843.2	829.9	818.6	815.1
27.5°	809.3	810.0	791.7	778.0	773.4
30°	783.4	784.1	763.0	748.2	744.7
32.5°	757.5	755.5	735.4	717.8	715.4
35°	721.5	714.6	694.7	674.2	670.1
37.5°	678.0	673.9	650.4	629.8	623.7
40°	650.4	643.5	619.4	598.9	592.7
42.5°	622.8	614.8	590.1	567.3	560.6
45°	580.0	571.1	546.9	520.7	513.1
47.5°	536.9	527.2	500.6	475.2	466.8
50°	508.2	497.9	470.2	445.4	436.4
52.5°	478.9	468.1	440.4	415.0	407.7
55°	435.0	423.3	396.3	370.8	363.9
57.5°	391.1	379.5	352.7	328.5	320.3
60°	361.8	350.8	324.5	300.4	292.1
62.5°	332.0	321.5	295.8	272.2	264.5
65°	288.6	278.3	254.1	231.4	224.5
67.5°	245.7	236.9	213.0	192.2	186.7
70°	217.5	209.2	186.5	167.4	161.9
72.5°	190.5	181.7	160.1	143.8	139.9
75°	149.2	141.0	123.9	111.2	109.1
77.5°	111.5	104.8	90.0	82.8	81.7
80°	87.3	81.1	69.7	64.8	64.8
82.5°	64.8	59.7	52.2	50.1	50.1
85°	33.8	31.0	29.6	29.6	29.6
87.5°	10.1	10.1	9.6	9.0	9.0
90°	0.0	0.0	0.0	0.0	0.0
92.5°	29.6	26.3	16.4	13.1	13.1
95°	108.8	98.7	88.3	82.1	84.2
97.5°	200.7	191.1	178.2	172.0	173.6
100°	264.8	256.7	242.2	236.0	236.0
102.5°	327.2	322.4	307.9	301.8	303.4
105°	429.0	427.0	412.6	406.3	402.3
107.5°	541.5	537.8	521.8	521.3	517.6
110°	613.7	611.7	597.3	595.2	593.2



TEST NUMBER: P1439564

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	687.6	690.4	674.5	672.4	670.4
115°	804.6	808.6	790.2	788.1	786.1
117.5°	924.5	930.1	910.5	908.4	904.8
120°	1001.6	1013.7	989.3	987.2	985.2
122.5°	1080.4	1090.9	1068.1	1064.4	1064.0
125°	1198.7	1212.7	1188.4	1184.4	1186.4
127.5°	1316.9	1331.3	1308.7	1300.6	1305.0
130°	1395.7	1411.8	1387.5	1379.4	1385.5
132.5°	1476.2	1492.2	1468.0	1460.0	1469.2
135°	1596.9	1612.9	1586.6	1574.7	1590.7
137.5°	1714.7	1728.7	1699.9	1691.7	1708.5
140°	1791.9	1805.9	1775.4	1765.6	1785.7
142.5°	1867.4	1883.0	1849.3	1839.6	1861.2
145°	1978.6	1994.7	1962.2	1952.4	1970.4
147.5°	2085.4	2101.8	2068.9	2057.5	2075.9
150°	2151.0	2169.1	2134.6	2124.8	2144.9
152.5°	2215.1	2234.8	2198.7	2187.3	2212.2
155°	2309.1	2329.2	2290.6	2280.9	2305.0
157.5°	2393.7	2412.1	2377.2	2367.4	2388.3
160°	2444.6	2464.6	2428.1	2418.4	2442.5
162.5°	2488.9	2509.0	2475.8	2462.8	2486.8
165°	2549.2	2571.3	2536.9	2523.1	2549.2
167.5°	2599.7	2623.4	2587.0	2574.5	2600.5
170°	2629.3	2651.4	2614.9	2599.1	2625.2
172.5°	2649.0	2671.1	2634.6	2618.6	2636.7
175°	2670.3	2694.4	2658.0	2641.8	2651.9
177.5°	2679.8	2699.0	2669.9	2655.7	2678.1
180°	2676.5	2676.5	2676.5	2676.5	2676.5



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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	10.28	10.95	11.42	12.08	13.67	9.20	9.87	10.34	11.00	12.59
	3H	11.93	12.53	13.08	13.67	15.27	10.60	11.20	11.75	12.34	13.94
	4H	12.55	13.12	13.71	14.26	15.87	11.11	11.68	12.27	12.82	14.42
	6H	12.93	13.45	14.10	14.60	16.21	11.42	11.94	12.58	13.08	14.70
	8H	13.06	13.56	14.23	14.72	16.32	11.53	12.03	12.70	13.19	14.80
	12H	13.12	13.60	14.29	14.75	16.38	11.60	12.08	12.78	13.23	14.86
4H	2H	10.66	11.24	11.83	12.38	13.98	9.80	10.38	10.97	11.52	13.12
	3H	12.54	13.01	13.71	14.18	15.79	11.41	11.88	12.58	13.05	14.66
	4H	13.28	13.72	14.45	14.87	16.50	12.01	12.44	13.18	13.60	15.23
	6H	13.77	14.14	14.95	15.32	16.94	12.41	12.78	13.59	13.96	15.58
	8H	13.96	14.31	15.13	15.47	17.11	12.57	12.92	13.75	14.09	15.73
	12H	14.04	14.36	15.24	15.54	17.19	12.67	12.99	13.86	14.17	15.81
8H	4H	13.39	13.74	14.57	14.91	16.55	12.25	12.60	13.43	13.77	15.41
	6H	14.00	14.29	15.20	15.50	17.14	12.77	13.06	13.97	14.27	15.91
	8H	14.28	14.53	15.48	15.72	17.37	13.02	13.28	14.23	14.46	16.12
	12H	14.43	14.65	15.64	15.84	17.53	13.19	13.41	14.40	14.60	16.29
12H	4H	13.36	13.67	14.55	14.85	16.50	12.25	12.56	13.44	13.74	15.39
	6H	14.02	14.27	15.22	15.46	17.11	12.83	13.08	14.03	14.27	15.93
	8H	14.31	14.53	15.52	15.72	17.40	13.10	13.32	14.31	14.51	16.20