

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: P1439571

Luminaire Tested: CB3-D-085U-055D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439571
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-055D-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

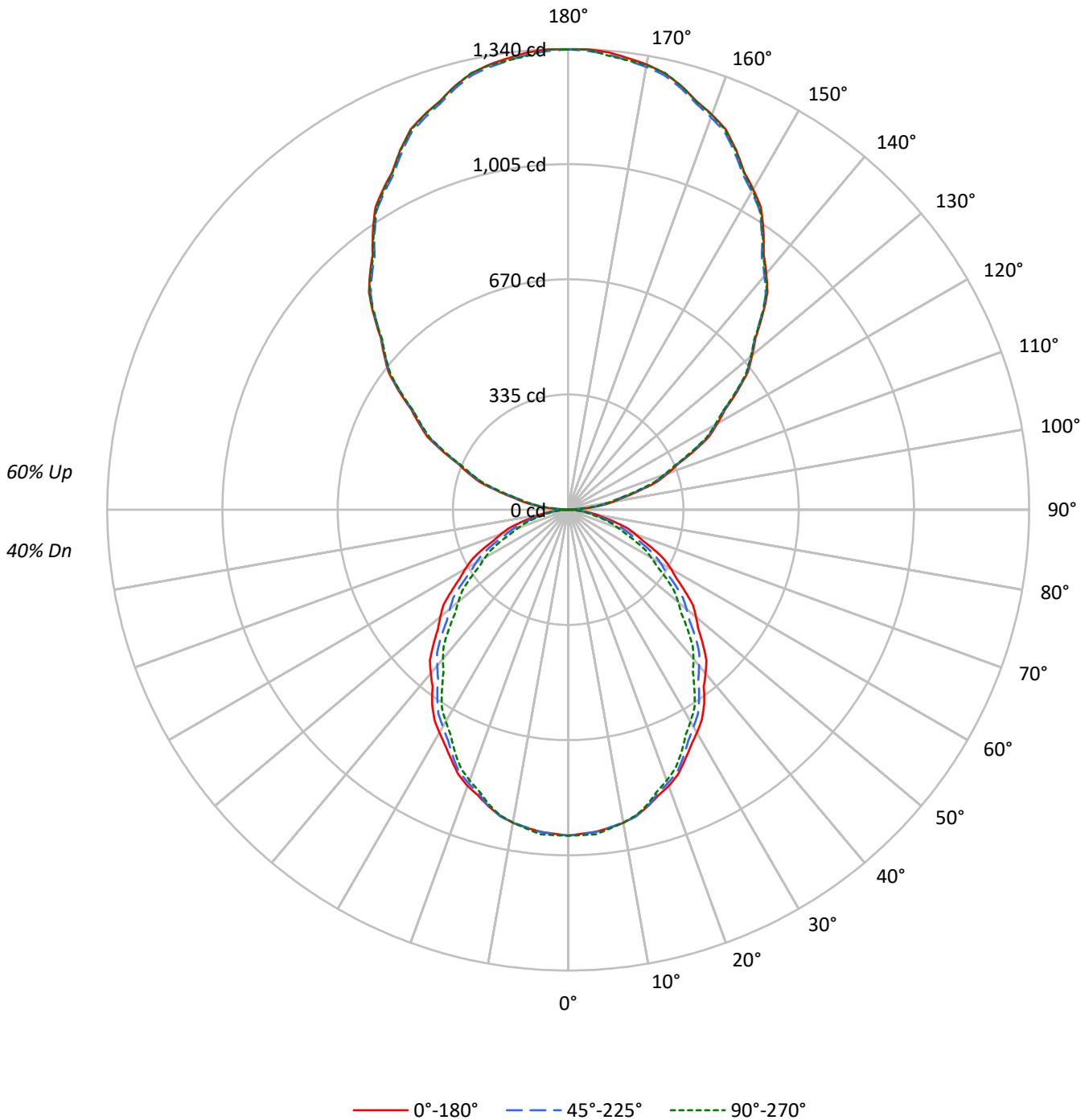
Lumens per Lamp: N/A
Luminaire Lumens: 5716.5 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 40.4
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: P1439571

CATALOG NUMBER: CB3-D-085U-055D-930-1D-UNV-STD-W-4

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	105	105	105	105	95	95	95	95	78	78	78	61	61	61	47	47	47	40
1	96	91	88	84	87	83	80	77	68	66	64	54	53	51	41	40	40	34
2	87	80	74	69	79	73	68	64	60	56	53	48	45	43	37	35	34	28
3	80	70	63	58	72	64	58	53	53	48	45	42	39	37	33	30	29	24
4	73	62	55	49	66	57	50	45	47	42	38	38	34	31	29	27	25	21
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	26	24	22	18
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	21	19	16
7	57	45	37	32	52	41	34	30	34	29	25	28	24	21	22	19	17	14
8	53	41	33	28	48	37	31	26	31	26	22	26	22	19	20	17	15	13
9	49	37	30	25	45	34	28	23	29	24	20	23	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	26	21	18	22	18	15	17	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10723	10723	10723
5°	10672	10680	10752
10°	10625	10610	10610
15°	10463	10463	10401
20°	10294	10189	10088
25°	10022	9896	9720
30°	9776	9522	9293
35°	9520	9166	8841
40°	9177	8739	8361
45°	8865	8359	7842
50°	8544	7905	7338
55°	8196	7466	6857
60°	7821	7015	6314
65°	7381	6498	5743
70°	6874	5895	5114
75°	6230	5172	4555
80°	5434	4340	4033
85°	4193	3661	3661

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8865 cd/sqm



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CATALOG NUMBER: CB3-D-085U-055D-930-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.4	1.6
10°-20°	251.2	4.4
20°-30°	364.7	6.4
30°-40°	414.5	7.3
40°-50°	402.4	7.0
50°-60°	339.7	5.9
60°-70°	241.7	4.2
70°-80°	129.1	2.3
80°-90°	34.1	0.6
90°-100°	56.6	1.0
100°-110°	221.3	3.9
110°-120°	394.4	6.9
120°-130°	533.7	9.3
130°-140°	613.6	10.7
140°-150°	615.7	10.8
150°-160°	529.5	9.3
160°-170°	358.4	6.3
170°-180°	126.4	2.2
0°-30°	705.3	12.3
0°-40°	1119.9	19.6
0°-60°	1862.0	32.6
0°-90°	2267.0	39.7
90°-120°	672.2	11.8
90°-150°	2435.2	42.6
90°-180°	3450.0	60.4
0°-180°	5716.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	948	948	948	948	948	
5°	940	952	940	939	947	89
15°	893	901	893	888	888	252
25°	803	805	793	782	779	370
35°	689	683	664	644	640	429
45°	554	546	522	497	490	427
55°	416	404	378	354	348	371
65°	276	266	243	221	214	273
75°	142	135	118	106	104	152
85°	32	30	28	28	28	38
90°	0	0	0	0	0	3
95°	54	49	44	41	42	62
105°	214	214	206	203	201	229
115°	402	404	395	394	393	399
125°	599	606	594	592	593	536
135°	798	806	793	787	795	615
145°	989	997	981	976	985	618
155°	1154	1165	1145	1140	1152	531
165°	1275	1286	1268	1262	1275	359
175°	1335	1347	1329	1321	1326	127
180°	1338	1338	1338	1338	1338	

TEST NUMBER: P1439571

CATALOG NUMBER: CB3-D-085U-055D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	947.7	947.7	947.7	947.7	947.7
2.5°	942.9	952.3	943.9	945.1	947.2
5°	939.6	951.5	940.3	939.1	946.7
7.5°	932.4	943.1	931.6	928.9	934.8
10°	924.8	936.7	923.5	920.2	923.5
12.5°	911.4	923.8	913.3	907.8	910.6
15°	893.2	901.1	893.2	887.9	887.9
17.5°	871.0	879.3	864.5	860.7	859.0
20°	854.9	862.1	846.2	840.7	837.8
22.5°	833.4	840.1	826.8	816.8	814.1
25°	802.8	805.4	792.7	781.9	778.6
27.5°	773.1	773.7	756.3	743.1	738.8
30°	748.3	749.0	728.8	714.6	711.3
32.5°	723.6	721.6	702.5	685.6	683.4
35°	689.2	682.6	663.6	644.0	640.1
37.5°	647.6	643.7	621.3	601.6	595.7
40°	621.3	614.7	591.7	572.0	566.1
42.5°	594.9	587.3	563.7	541.9	535.5
45°	554.0	545.5	522.4	497.4	490.1
47.5°	512.9	503.5	478.2	453.9	445.9
50°	485.4	475.6	449.1	425.4	416.9
52.5°	457.5	447.1	420.6	396.4	389.4
55°	415.5	404.3	378.5	354.2	347.6
57.5°	373.6	362.5	336.8	313.8	305.9
60°	345.6	335.1	310.0	286.9	279.0
62.5°	317.1	307.1	282.5	260.0	252.7
65°	275.7	265.8	242.7	221.1	214.5
67.5°	234.7	226.2	203.5	183.6	178.3
70°	207.8	199.9	178.2	159.9	154.6
72.5°	181.9	173.5	152.9	137.3	133.7
75°	142.5	134.6	118.3	106.2	104.2
77.5°	106.5	100.1	85.9	79.0	78.0
80°	83.4	77.5	66.6	61.9	61.9
82.5°	61.9	57.0	49.9	47.9	47.9
85°	32.3	29.6	28.2	28.2	28.2
87.5°	9.7	9.7	9.1	8.6	8.6
90°	0.0	0.0	0.0	0.0	0.0
92.5°	14.8	13.2	8.2	6.6	6.6
95°	54.4	49.4	44.1	41.1	42.1
97.5°	100.4	95.6	89.1	86.0	86.8
100°	132.4	128.4	121.1	118.0	118.0
102.5°	163.6	161.2	153.9	150.9	151.7
105°	214.5	213.5	206.3	203.2	201.1
107.5°	270.7	268.9	260.9	260.6	258.8
110°	306.9	305.8	298.6	297.6	296.6



TEST NUMBER: P1439571

CATALOG NUMBER: CB3-D-085U-055D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	343.8	345.2	337.2	336.2	335.2
115°	402.3	404.3	395.1	394.1	393.1
117.5°	462.2	465.0	455.2	454.2	452.4
120°	500.8	506.8	494.7	493.6	492.6
122.5°	540.2	545.4	534.1	532.2	532.0
125°	599.3	606.4	594.2	592.2	593.2
127.5°	658.4	665.7	654.3	650.3	652.5
130°	697.9	705.9	693.8	689.7	692.7
132.5°	738.1	746.1	734.0	730.0	734.6
135°	798.4	806.5	793.3	787.3	795.4
137.5°	857.3	864.4	850.0	845.8	854.3
140°	895.9	903.0	887.7	882.8	892.8
142.5°	933.7	941.5	924.7	919.8	930.6
145°	989.3	997.3	981.1	976.2	985.2
147.5°	1042.7	1050.9	1034.5	1028.7	1038.0
150°	1075.5	1084.6	1067.3	1062.4	1072.4
152.5°	1107.5	1117.4	1099.3	1093.7	1106.1
155°	1154.5	1164.6	1145.3	1140.5	1152.5
157.5°	1196.8	1206.1	1188.6	1183.7	1194.2
160°	1222.3	1232.3	1214.1	1209.2	1221.3
162.5°	1244.4	1254.5	1237.9	1231.4	1243.4
165°	1274.6	1285.7	1268.5	1261.6	1274.6
167.5°	1299.9	1311.7	1293.5	1287.2	1300.3
170°	1314.6	1325.7	1307.5	1299.5	1312.6
172.5°	1324.5	1335.5	1317.3	1309.3	1318.3
175°	1335.2	1347.2	1329.0	1320.9	1325.9
177.5°	1339.9	1349.5	1335.0	1327.8	1339.1
180°	1338.2	1338.2	1338.2	1338.2	1338.2



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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	14.35	15.11	15.39	16.16	17.57	13.27	14.03	14.31	15.08	16.49
	3H	16.01	16.69	17.06	17.75	19.18	14.67	15.36	15.73	16.42	17.85
	4H	16.63	17.28	17.70	18.34	19.78	15.19	15.84	16.25	16.90	18.33
	6H	17.01	17.61	18.09	18.67	20.12	15.50	16.10	16.57	17.16	18.61
	8H	17.15	17.72	18.23	18.79	20.24	15.62	16.19	16.70	17.27	18.71
	12H	17.21	17.75	18.29	18.82	20.29	15.69	16.23	16.78	17.31	18.77
4H	2H	14.74	15.39	15.81	16.45	17.89	13.88	14.53	14.95	15.59	17.03
	3H	16.62	17.17	17.70	18.25	19.70	15.49	16.04	16.57	17.12	18.57
	4H	17.37	17.87	18.45	18.94	20.41	16.10	16.59	17.18	17.67	19.14
	6H	17.87	18.29	18.96	19.39	20.86	16.50	16.93	17.60	18.03	19.50
	8H	18.05	18.45	19.15	19.54	21.03	16.67	17.07	17.77	18.16	19.64
	12H	18.15	18.51	19.26	19.61	21.10	16.77	17.13	17.88	18.24	19.73
8H	4H	17.49	17.89	18.58	18.98	20.46	16.35	16.75	17.44	17.84	19.32
	6H	18.11	18.43	19.22	19.57	21.05	16.88	17.20	17.99	18.34	19.82
	8H	18.38	18.67	19.50	19.78	21.28	17.13	17.42	18.25	18.53	20.03
	12H	18.54	18.79	19.67	19.91	21.44	17.30	17.55	18.42	18.66	20.20
12H	4H	17.46	17.82	18.57	18.92	20.41	16.35	16.71	17.46	17.81	19.30
	6H	18.12	18.41	19.24	19.53	21.02	16.93	17.22	18.05	18.34	19.84
	8H	18.42	18.67	19.54	19.78	21.32	17.21	17.46	18.34	18.58	20.11