

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: P1439549

Luminaire Tested: CB3-D-055U-085D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439549  
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-055U-085D-935-1D-UNV-STD-W-4  
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT  
3-INCH APERTURE  
DOWNLIGHT 850 LUMENS PER FOOT  
UPLIGHT 550 LUMENS PER FOOT  
Light Source: 3500K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

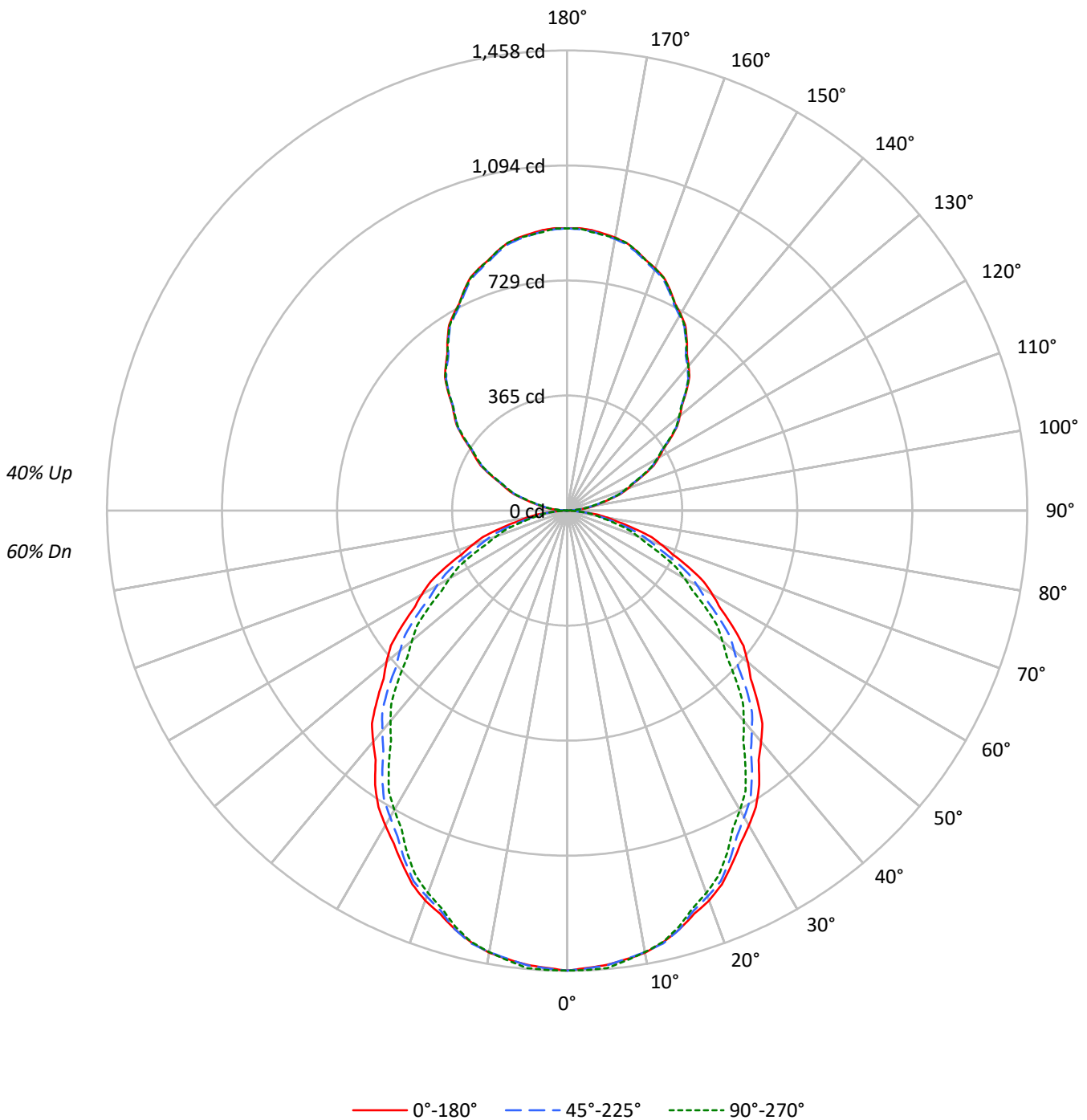
Lumens per Lamp: N/A  
Luminaire Lumens: 5793.1 lumens  
Efficiency: N/A  
Efficacy: 139.3 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 41.6  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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: P1439549

CATALOG NUMBER: CB3-D-055U-085D-935-1D-UNV-STD-W-4

### Luminous Intensity Polar Plot





TEST NUMBER: P1439549

CATALOG NUMBER: CB3-D-055U-085D-935-1D-UNV-STD-W-4

**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	110	110	110	110	102	102	102	102	89	89	89	77	77	77	66	66	66	60
1	100	96	92	89	94	90	87	83	78	76	74	68	66	64	58	57	56	51
2	92	84	78	73	85	79	73	69	69	65	61	60	57	54	52	49	47	43
3	84	74	67	61	78	70	63	58	61	56	52	53	49	46	46	43	41	37
4	77	66	58	52	71	62	55	49	54	49	44	48	43	40	41	38	35	32
5	70	59	51	45	66	55	48	43	49	43	38	43	38	35	37	34	31	28
6	65	53	45	39	61	50	42	37	44	38	34	39	34	30	34	30	27	24
7	60	48	40	34	56	45	38	33	40	34	30	35	31	27	31	27	24	22
8	56	44	36	30	52	41	34	29	37	31	27	32	28	24	28	25	22	20
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	26	23	20	18
10	49	37	29	25	46	35	28	24	31	26	22	28	23	20	24	21	18	16

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	16492	16492	16492
5°	16413	16426	16527
10°	16342	16318	16318
15°	16091	16091	15995
20°	15831	15669	15523
25°	15423	15230	14959
30°	15046	14654	14302
35°	14650	14107	13605
40°	14122	13448	12868
45°	13643	12865	12070
50°	13151	12167	11292
55°	12613	11491	10552
60°	12034	10794	9717
65°	11357	10000	8838
70°	10576	9071	7873
75°	9591	7961	7012
80°	8360	6672	6203
85°	6452	5647	5647

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13643 cd/sqm



TEST NUMBER: P1439549

CATALOG NUMBER: CB3-D-055U-085D-935-1D-UNV-STD-W-4

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	137.5	2.4
10°-20°	386.4	6.7
20°-30°	561.1	9.7
30°-40°	637.9	11.0
40°-50°	619.3	10.7
50°-60°	522.8	9.0
60°-70°	372.0	6.4
70°-80°	198.7	3.4
80°-90°	52.5	0.9
90°-100°	37.8	0.7
100°-110°	147.8	2.6
110°-120°	263.5	4.5
120°-130°	356.6	6.2
130°-140°	410.0	7.1
140°-150°	411.4	7.1
150°-160°	353.8	6.1
160°-170°	239.5	4.1
170°-180°	84.5	1.5
0°-30°	1085.0	18.7
0°-40°	1722.9	29.7
0°-60°	2865.0	49.5
0°-90°	3488.3	60.2
90°-120°	449.1	7.8
90°-150°	1627.1	28.1
90°-180°	2305.0	39.8
0°-180°	5793.1	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	1458	1458	1458	1458	1458	
5°	1445	1463	1446	1444	1455	137
15°	1374	1386	1374	1366	1366	387
25°	1235	1240	1220	1203	1198	569
35°	1061	1050	1021	991	985	661
45°	853	839	804	765	754	658
55°	639	622	582	545	535	572
65°	424	409	374	340	330	420
75°	219	207	182	163	160	234
85°	50	46	44	44	44	59
90°	0	0	0	0	0	3
95°	36	33	30	27	28	41
105°	143	143	138	136	134	153
115°	269	270	264	263	263	266
125°	400	405	397	396	396	358
135°	534	539	530	526	531	411
145°	661	666	656	652	658	413
155°	771	778	765	762	770	355
165°	852	859	848	843	852	240
175°	892	900	888	883	886	85
180°	894	894	894	894	894	



TEST NUMBER: P1439549

CATALOG NUMBER: CB3-D-055U-085D-935-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	1457.6	1457.6	1457.6	1457.6	1457.6
2.5°	1450.1	1464.7	1451.8	1453.5	1456.7
5°	1445.1	1463.3	1446.2	1444.3	1455.1
7.5°	1434.0	1450.6	1432.7	1428.6	1437.7
10°	1422.4	1440.6	1420.3	1415.2	1420.3
12.5°	1401.7	1420.7	1404.6	1396.2	1400.4
15°	1373.7	1385.9	1373.7	1365.5	1365.5
17.5°	1339.6	1352.3	1329.5	1323.6	1321.2
20°	1314.8	1325.9	1301.3	1292.9	1289.2
22.5°	1281.7	1292.0	1271.5	1256.8	1252.8
25°	1235.4	1239.5	1219.9	1203.2	1198.2
27.5°	1189.7	1190.7	1163.8	1143.6	1136.9
30°	1151.6	1152.6	1121.6	1099.8	1094.7
32.5°	1113.5	1110.5	1081.1	1055.1	1051.7
35°	1060.6	1050.5	1021.3	991.1	985.0
37.5°	996.6	990.6	956.1	925.9	916.7
40°	956.1	946.0	910.5	880.3	871.2
42.5°	915.5	903.8	867.5	834.0	824.0
45°	852.6	839.4	804.0	765.4	754.3
47.5°	789.3	774.9	735.9	698.6	686.2
50°	747.1	731.9	691.2	654.7	641.5
52.5°	704.0	688.0	647.3	610.0	599.3
55°	639.4	622.2	582.5	545.1	534.9
57.5°	574.9	557.9	518.4	482.9	470.8
60°	531.8	515.7	477.0	441.5	429.4
62.5°	488.0	472.6	434.8	400.2	388.8
65°	424.2	409.1	373.5	340.2	330.1
67.5°	361.1	348.2	313.1	282.5	274.4
70°	319.7	307.6	274.2	246.1	238.0
72.5°	280.0	267.0	235.3	211.4	205.7
75°	219.4	207.2	182.1	163.4	160.4
77.5°	163.9	154.0	132.2	121.6	120.0
80°	128.3	119.2	102.4	95.2	95.2
82.5°	95.2	87.7	76.8	73.7	73.7
85°	49.7	45.6	43.5	43.5	43.5
87.5°	14.9	14.9	14.1	13.2	13.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.9	8.8	5.5	4.4	4.4
95°	36.3	33.0	29.5	27.4	28.1
97.5°	67.1	63.8	59.5	57.5	58.0
100°	88.5	85.8	80.9	78.9	78.9
102.5°	109.3	107.7	102.9	100.8	101.3
105°	143.3	142.6	137.8	135.7	134.4
107.5°	180.9	179.7	174.3	174.1	172.9
110°	205.0	204.4	199.5	198.8	198.2



TEST NUMBER: P1439549

CATALOG NUMBER: CB3-D-055U-085D-935-1D-UNV-STD-W-4

**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	229.7	230.7	225.3	224.6	224.0
115°	268.8	270.1	264.0	263.3	262.6
117.5°	308.8	310.7	304.2	303.5	302.3
120°	334.6	338.7	330.5	329.8	329.1
122.5°	361.0	364.4	356.8	355.6	355.5
125°	400.5	405.2	397.0	395.7	396.3
127.5°	440.0	444.8	437.2	434.5	436.0
130°	466.3	471.7	463.5	460.8	462.9
132.5°	493.2	498.5	490.4	487.8	490.8
135°	533.5	538.9	530.1	526.1	531.4
137.5°	572.8	577.5	567.9	565.2	570.8
140°	598.6	603.3	593.1	589.9	596.6
142.5°	623.9	629.1	617.8	614.6	621.8
145°	661.0	666.4	655.5	652.3	658.3
147.5°	696.7	702.2	691.2	687.4	693.5
150°	718.6	724.7	713.1	709.9	716.6
152.5°	740.0	746.6	734.5	730.8	739.1
155°	771.4	778.1	765.3	762.0	770.1
157.5°	799.7	805.9	794.2	790.9	797.9
160°	816.7	823.4	811.2	808.0	816.0
162.5°	831.5	838.2	827.1	822.8	830.8
165°	851.7	859.0	847.5	842.9	851.7
167.5°	868.5	876.4	864.3	860.1	868.8
170°	878.4	885.8	873.6	868.3	877.0
172.5°	885.0	892.4	880.2	874.8	880.9
175°	892.1	900.2	888.0	882.6	885.9
177.5°	895.3	901.7	892.0	887.2	894.7
180°	894.2	894.2	894.2	894.2	894.2



TEST NUMBER: P1439549  
 CATALOG NUMBER: CB3-D-055U-085D-935-1D-UNV-STD-W-4

**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	17.78	18.73	18.65	19.61	20.73	16.70	17.65	17.57	18.54	19.65
	3H	19.45	20.30	20.33	21.20	22.34	18.12	18.97	19.00	19.87	21.01
	4H	20.09	20.89	20.98	21.79	22.95	18.64	19.45	19.54	20.35	21.50
	6H	20.48	21.22	21.38	22.13	23.29	18.97	19.71	19.87	20.61	21.78
	8H	20.62	21.32	21.53	22.25	23.41	19.09	19.80	20.01	20.72	21.89
	12H	20.69	21.36	21.61	22.28	23.47	19.17	19.84	20.09	20.76	21.95
4H	2H	18.20	19.00	19.10	19.90	21.06	17.34	18.14	18.24	19.04	20.20
	3H	20.10	20.77	21.01	21.70	22.87	18.97	19.64	19.88	20.57	21.74
	4H	20.85	21.46	21.77	22.39	23.58	19.58	20.19	20.50	21.12	22.31
	6H	21.36	21.88	22.29	22.83	24.03	19.99	20.52	20.93	21.47	22.67
	8H	21.55	22.04	22.49	22.99	24.20	20.17	20.66	21.10	21.60	22.81
	12H	21.65	22.09	22.61	23.06	24.27	20.28	20.72	21.23	21.68	22.90
8H	4H	20.98	21.48	21.92	22.42	23.63	19.85	20.34	20.78	21.28	22.49
	6H	21.61	22.01	22.57	23.00	24.21	20.38	20.78	21.34	21.77	22.98
	8H	21.88	22.24	22.86	23.22	24.45	20.63	20.99	21.60	21.97	23.19
	12H	22.05	22.37	23.03	23.34	24.61	20.81	21.13	21.79	22.10	23.37
12H	4H	20.96	21.40	21.92	22.37	23.58	19.85	20.29	20.81	21.26	22.47
	6H	21.62	21.98	22.60	22.96	24.19	20.43	20.79	21.41	21.77	23.00
	8H	21.93	22.24	22.90	23.22	24.49	20.72	21.04	21.70	22.01	23.28