

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: P1439547

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439547
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-930-1D-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: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

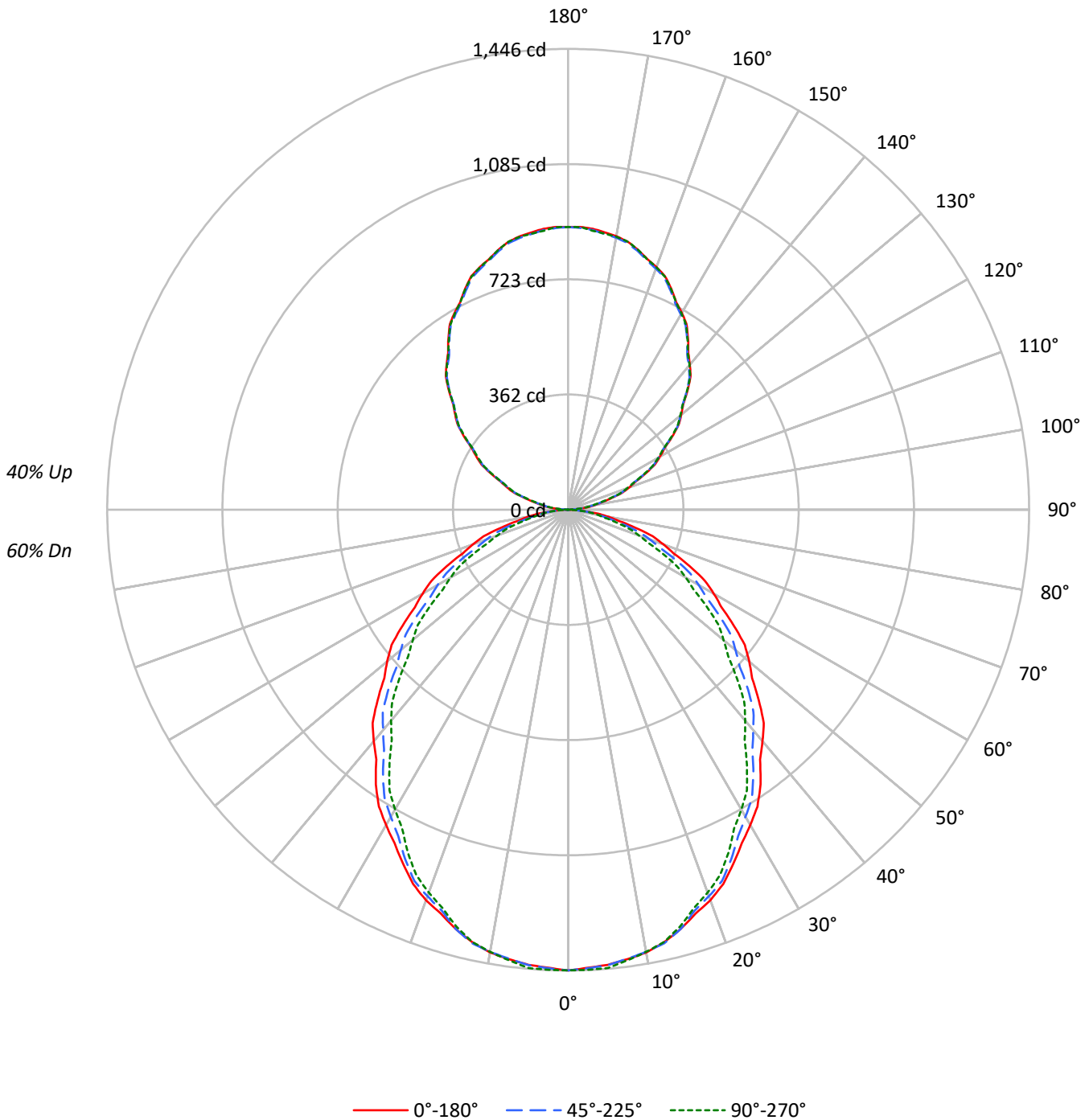
Lumens per Lamp: N/A
Luminaire Lumens: 5745.8 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 41.6
Input Voltage (V): 120
Input Current (A_{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: P1439547

CATALOG NUMBER: CB3-D-055U-085D-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	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°	16357	16357	16357
5°	16279	16292	16393
10°	16209	16185	16185
15°	15960	15960	15864
20°	15701	15541	15396
25°	15298	15106	14836
30°	14923	14535	14186
35°	14529	13991	13495
40°	14007	13339	12763
45°	13531	12759	11971
50°	13043	12066	11200
55°	12510	11398	10467
60°	11937	10706	9638
65°	11266	9919	8765
70°	10490	8998	7807
75°	9513	7895	6955
80°	8295	6620	6151
85°	6400	5595	5595

MAXIMUM LUMINANCE 45°-90°:

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



TEST NUMBER: P1439547

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.4	2.4
10°-20°	383.2	6.7
20°-30°	556.6	9.7
30°-40°	632.7	11.0
40°-50°	614.2	10.7
50°-60°	518.6	9.0
60°-70°	368.9	6.4
70°-80°	197.1	3.4
80°-90°	52.1	0.9
90°-100°	37.5	0.7
100°-110°	146.6	2.6
110°-120°	261.4	4.5
120°-130°	353.7	6.2
130°-140°	406.6	7.1
140°-150°	408.0	7.1
150°-160°	350.9	6.1
160°-170°	237.5	4.1
170°-180°	83.8	1.5
0°-30°	1076.2	18.7
0°-40°	1708.9	29.7
0°-60°	2841.6	49.5
0°-90°	3459.8	60.2
90°-120°	445.5	7.8
90°-150°	1613.8	28.1
90°-180°	2286.0	39.8
0°-180°	5745.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1446	1446	1446	1446	1446	
5°	1433	1451	1434	1433	1443	136
15°	1362	1375	1362	1354	1354	384
25°	1225	1229	1210	1193	1188	565
35°	1052	1042	1013	983	977	656
45°	846	833	797	759	748	652
55°	634	617	578	541	531	567
65°	421	406	370	337	327	417
75°	218	206	181	162	159	232
85°	49	45	43	43	43	58
90°	0	0	0	0	0	3
95°	36	33	29	27	28	41
105°	142	142	137	135	133	152
115°	267	268	262	261	260	264
125°	397	402	394	392	393	355
135°	529	534	526	522	527	408
145°	656	661	650	647	653	410
155°	765	772	759	756	764	352
165°	845	852	841	836	845	238
175°	885	893	881	875	879	84
180°	887	887	887	887	887	

TEST NUMBER: P1439547

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1445.7	1445.7	1445.7	1445.7	1445.7
2.5°	1438.3	1452.7	1439.9	1441.6	1444.8
5°	1433.3	1451.4	1434.4	1432.6	1443.3
7.5°	1422.3	1438.7	1421.0	1416.9	1426.0
10°	1410.8	1428.8	1408.7	1403.7	1408.7
12.5°	1390.2	1409.1	1393.1	1384.8	1389.0
15°	1362.5	1374.6	1362.5	1354.3	1354.3
17.5°	1328.7	1341.3	1318.6	1312.8	1310.5
20°	1304.0	1315.1	1290.7	1282.4	1278.7
22.5°	1271.2	1281.4	1261.1	1246.5	1242.6
25°	1225.4	1229.4	1210.0	1193.4	1188.4
27.5°	1180.0	1181.0	1154.3	1134.3	1127.7
30°	1142.2	1143.2	1112.5	1090.8	1085.8
32.5°	1104.5	1101.5	1072.2	1046.5	1043.1
35°	1051.9	1041.9	1012.9	983.0	977.0
37.5°	988.5	982.5	948.3	918.3	909.3
40°	948.3	938.2	903.1	873.1	864.1
42.5°	908.0	896.4	860.4	827.1	817.3
45°	845.6	832.6	797.4	759.2	748.1
47.5°	782.8	768.6	729.9	692.9	680.6
50°	741.0	725.9	685.5	649.3	636.3
52.5°	698.3	682.4	642.0	605.0	594.4
55°	634.2	617.2	577.8	540.6	530.6
57.5°	570.2	553.3	514.2	479.0	466.9
60°	527.5	511.4	473.1	437.9	425.9
62.5°	484.0	468.7	431.2	396.9	385.7
65°	420.8	405.7	370.5	337.4	327.4
67.5°	358.2	345.3	310.5	280.2	272.2
70°	317.1	305.1	272.0	244.1	236.0
72.5°	277.7	264.9	233.4	209.6	204.0
75°	217.6	205.5	180.6	162.1	159.1
77.5°	162.6	152.7	131.2	120.7	119.0
80°	127.3	118.2	101.6	94.4	94.4
82.5°	94.4	87.0	76.1	73.1	73.1
85°	49.3	45.2	43.1	43.1	43.1
87.5°	14.8	14.8	14.0	13.1	13.1
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.8	8.7	5.4	4.4	4.4
95°	36.0	32.7	29.2	27.2	27.9
97.5°	66.5	63.3	59.0	57.0	57.5
100°	87.7	85.1	80.3	78.2	78.2
102.5°	108.4	106.8	102.0	100.0	100.5
105°	142.1	141.5	136.7	134.6	133.3
107.5°	179.4	178.2	172.9	172.7	171.5
110°	203.4	202.7	197.9	197.2	196.6

TEST NUMBER: P1439547

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

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	227.8	228.8	223.5	222.8	222.1
115°	266.6	267.9	261.8	261.2	260.5
117.5°	306.3	308.2	301.7	301.0	299.8
120°	331.9	335.9	327.8	327.1	326.5
122.5°	358.0	361.5	353.9	352.7	352.6
125°	397.2	401.8	393.8	392.4	393.1
127.5°	436.4	441.2	433.6	431.0	432.4
130°	462.5	467.8	459.8	457.1	459.1
132.5°	489.1	494.5	486.4	483.8	486.8
135°	529.1	534.5	525.7	521.8	527.1
137.5°	568.2	572.8	563.3	560.5	566.1
140°	593.7	598.4	588.3	585.1	591.7
142.5°	618.8	624.0	612.8	609.6	616.7
145°	655.6	661.0	650.2	646.9	652.9
147.5°	691.0	696.5	685.6	681.8	687.9
150°	712.8	718.8	707.3	704.1	710.7
152.5°	734.0	740.5	728.5	724.8	733.0
155°	765.1	771.8	759.0	755.8	763.8
157.5°	793.2	799.3	787.7	784.5	791.4
160°	810.0	816.7	804.6	801.4	809.3
162.5°	824.7	831.4	820.4	816.1	824.0
165°	844.7	852.0	840.6	836.1	844.7
167.5°	861.4	869.3	857.2	853.1	861.7
170°	871.2	878.6	866.5	861.2	869.9
172.5°	877.8	885.1	873.0	867.7	873.7
175°	884.8	892.8	880.8	875.4	878.7
177.5°	888.0	894.4	884.7	880.0	887.4
180°	886.9	886.9	886.9	886.9	886.9



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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	17.75	18.70	18.62	19.59	20.70	16.67	17.62	17.54	18.51	19.63
	3H	19.43	20.27	20.30	21.17	22.31	18.09	18.94	18.97	19.84	20.98
	4H	20.06	20.86	20.95	21.76	22.92	18.62	19.42	19.51	20.32	21.47
	6H	20.45	21.19	21.36	22.10	23.26	18.94	19.68	19.84	20.59	21.75
	8H	20.59	21.29	21.50	22.22	23.39	19.06	19.77	19.98	20.69	21.86
	12H	20.66	21.33	21.58	22.25	23.44	19.14	19.81	20.06	20.73	21.92
4H	2H	18.17	18.97	19.07	19.87	21.03	17.31	18.11	18.21	19.02	20.17
	3H	20.07	20.74	20.98	21.67	22.84	18.94	19.61	19.85	20.54	21.71
	4H	20.82	21.43	21.74	22.36	23.55	19.55	20.16	20.47	21.09	22.28
	6H	21.33	21.85	22.26	22.81	24.00	19.97	20.49	20.90	21.44	22.64
	8H	21.52	22.01	22.46	22.96	24.17	20.14	20.63	21.08	21.58	22.79
	12H	21.62	22.06	22.58	23.03	24.24	20.25	20.69	21.21	21.65	22.87
8H	4H	20.96	21.45	21.89	22.39	23.60	19.82	20.31	20.76	21.25	22.46
	6H	21.58	21.98	22.54	22.97	24.18	20.35	20.76	21.31	21.74	22.95
	8H	21.86	22.21	22.83	23.19	24.42	20.60	20.96	21.58	21.94	23.17
	12H	22.02	22.34	23.00	23.31	24.58	20.78	21.10	21.76	22.07	23.34
12H	4H	20.93	21.38	21.89	22.34	23.56	19.82	20.27	20.78	21.23	22.45
	6H	21.60	21.96	22.57	22.93	24.16	20.41	20.77	21.38	21.74	22.97
	8H	21.90	22.22	22.88	23.19	24.46	20.69	21.01	21.67	21.98	23.25