

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: P1439575

Luminaire Tested: CB3-D-085U-055D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439575
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-940-1D-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: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

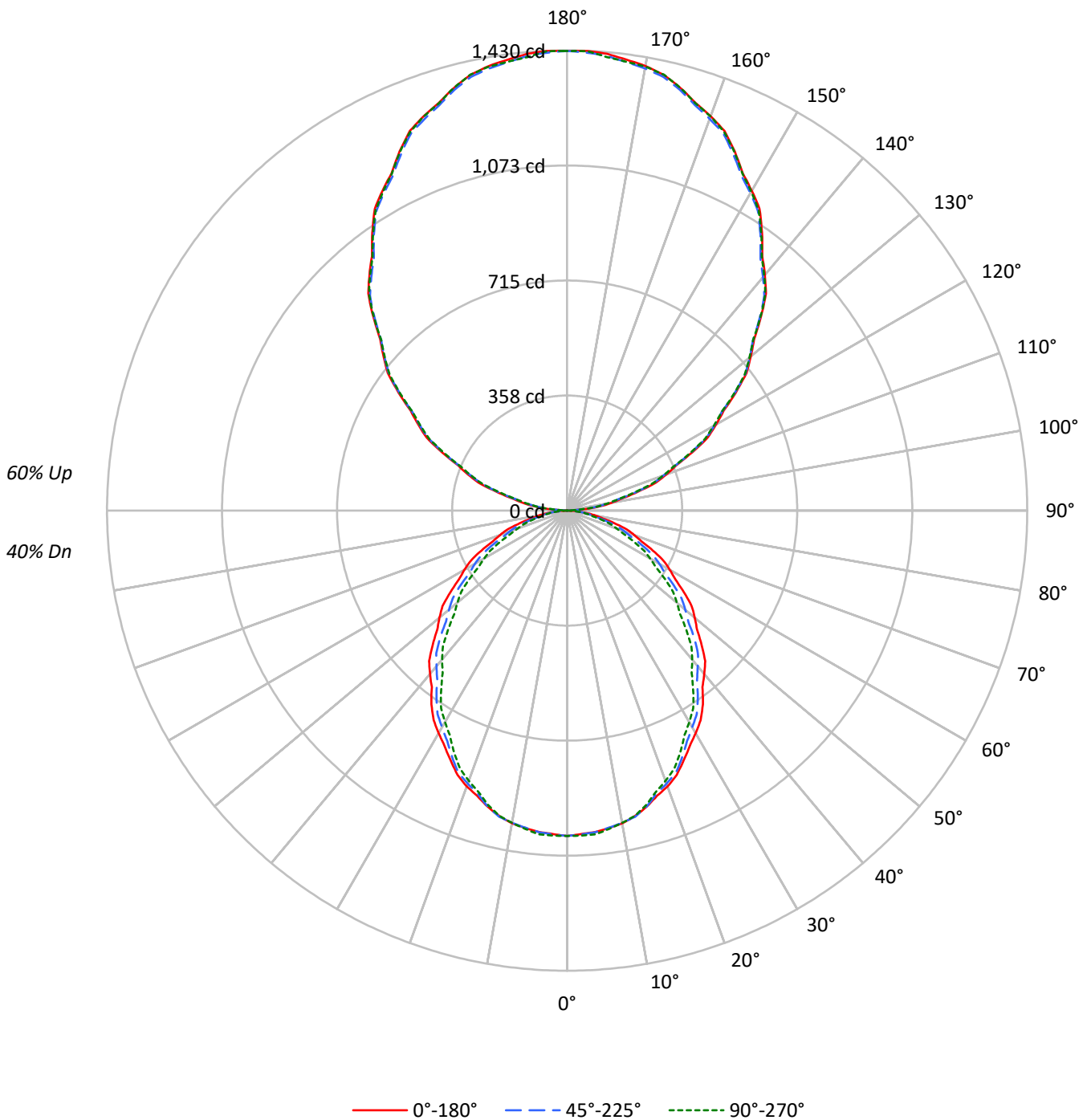
Lumens per Lamp: N/A
Luminaire Lumens: 6099.7 lumens
Efficiency: N/A
Efficacy: 151.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

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: P1439575

CATALOG NUMBER: CB3-D-085U-055D-940-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P1439575

CATALOG NUMBER: CB3-D-085U-055D-940-1D-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	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°	11441	11441	11441
5°	11387	11395	11474
10°	11337	11321	11321
15°	11164	11164	11098
20°	10984	10872	10763
25°	10694	10559	10372
30°	10432	10161	9916
35°	10158	9781	9434
40°	9791	9324	8923
45°	9460	8919	8369
50°	9118	8435	7830
55°	8747	7967	7317
60°	8346	7483	6737
65°	7874	6934	6128
70°	7334	6289	5458
75°	6649	5521	4861
80°	5799	4626	4300
85°	4466	3908	3908

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9460 cd/sqm



TEST NUMBER: P1439575

CATALOG NUMBER: CB3-D-085U-055D-940-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.4	1.6
10°-20°	268.1	4.4
20°-30°	389.1	6.4
30°-40°	442.3	7.3
40°-50°	429.4	7.0
50°-60°	362.5	5.9
60°-70°	257.9	4.2
70°-80°	137.8	2.3
80°-90°	36.4	0.6
90°-100°	60.4	1.0
100°-110°	236.1	3.9
110°-120°	420.8	6.9
120°-130°	569.5	9.3
130°-140°	654.7	10.7
140°-150°	657.0	10.8
150°-160°	565.0	9.3
160°-170°	382.4	6.3
170°-180°	134.9	2.2
0°-30°	752.6	12.3
0°-40°	1194.9	19.6
0°-60°	1986.8	32.6
0°-90°	2418.9	39.7
90°-120°	717.3	11.8
90°-150°	2598.4	42.6
90°-180°	3681.0	60.3
0°-180°	6099.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1011	1011	1011	1011	1011	
5°	1003	1015	1003	1002	1010	95
15°	953	962	953	947	947	268
25°	857	859	846	834	831	395
35°	735	728	708	687	683	458
45°	591	582	557	531	523	456
55°	443	431	404	378	371	396
65°	294	284	259	236	229	291
75°	152	144	126	113	111	162
85°	34	32	30	30	30	41
90°	0	0	0	0	0	4
95°	58	53	47	44	45	66
105°	229	228	220	217	215	244
115°	429	431	422	420	419	425
125°	640	647	634	632	633	572
135°	852	860	846	840	849	657
145°	1056	1064	1047	1042	1051	660
155°	1232	1243	1222	1217	1230	567
165°	1360	1372	1354	1346	1360	383
175°	1425	1438	1418	1410	1415	135
180°	1428	1428	1428	1428	1428	



TEST NUMBER: P1439575

CATALOG NUMBER: CB3-D-085U-055D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1011.2	1011.2	1011.2	1011.2	1011.2
2.5°	1006.1	1016.2	1007.2	1008.4	1010.7
5°	1002.6	1015.2	1003.3	1002.1	1010.2
7.5°	994.9	1006.4	994.0	991.1	997.5
10°	986.8	999.5	985.4	981.9	985.4
12.5°	972.5	985.7	974.5	968.7	971.6
15°	953.1	961.5	953.1	947.4	947.4
17.5°	929.4	938.3	922.4	918.4	916.6
20°	912.2	919.9	902.9	897.1	893.9
22.5°	889.3	896.4	882.2	871.5	868.7
25°	856.6	859.4	845.8	834.3	830.8
27.5°	824.9	825.6	807.0	792.9	788.3
30°	798.5	799.2	777.7	762.5	759.0
32.5°	772.1	770.0	749.6	731.6	729.2
35°	735.4	728.3	708.1	687.2	683.0
37.5°	691.0	686.8	662.9	642.0	635.6
40°	662.9	655.9	631.3	610.4	604.1
42.5°	634.8	626.6	601.5	578.2	571.4
45°	591.2	582.0	557.4	530.7	523.0
47.5°	547.3	537.3	510.2	484.4	475.8
50°	518.0	507.5	479.2	453.9	444.8
52.5°	488.1	477.1	448.8	423.0	415.5
55°	443.4	431.4	403.9	377.9	370.9
57.5°	398.6	386.8	359.4	334.8	326.4
60°	368.8	357.5	330.7	306.1	297.7
62.5°	338.3	327.7	301.5	277.5	269.6
65°	294.1	283.6	259.0	235.9	228.9
67.5°	250.4	241.4	217.1	195.9	190.3
70°	221.7	213.3	190.1	170.6	165.0
72.5°	194.1	185.2	163.1	146.6	142.6
75°	152.1	143.7	126.3	113.3	111.2
77.5°	113.6	106.8	91.7	84.3	83.2
80°	89.0	82.6	71.0	66.0	66.0
82.5°	66.0	60.8	53.2	51.1	51.1
85°	34.4	31.6	30.1	30.1	30.1
87.5°	10.3	10.3	9.8	9.2	9.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	15.8	14.1	8.8	7.0	7.0
95°	58.0	52.7	47.1	43.8	44.9
97.5°	107.1	102.0	95.1	91.8	92.6
100°	141.3	137.0	129.2	125.9	125.9
102.5°	174.6	172.0	164.3	161.0	161.8
105°	228.9	227.8	220.1	216.8	214.6
107.5°	288.9	286.9	278.4	278.1	276.2
110°	327.4	326.4	318.7	317.5	316.5



TEST NUMBER: P1439575

CATALOG NUMBER: CB3-D-085U-055D-940-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	366.8	368.3	359.8	358.7	357.6
115°	429.3	431.4	421.6	420.5	419.4
117.5°	493.2	496.2	485.8	484.6	482.7
120°	534.4	540.8	527.8	526.7	525.6
122.5°	576.4	582.0	569.9	567.9	567.7
125°	639.5	647.0	634.0	631.9	632.9
127.5°	702.6	710.3	698.2	693.9	696.2
130°	744.6	753.2	740.3	736.0	739.2
132.5°	787.6	796.1	783.2	778.9	783.8
135°	852.0	860.5	846.5	840.1	848.7
137.5°	914.8	922.3	906.9	902.5	911.5
140°	956.0	963.5	947.2	942.0	952.7
142.5°	996.3	1004.6	986.6	981.4	993.0
145°	1055.6	1064.2	1046.9	1041.6	1051.3
147.5°	1112.6	1121.4	1103.8	1097.7	1107.5
150°	1147.6	1157.3	1138.9	1133.6	1144.3
152.5°	1181.8	1192.3	1173.0	1167.0	1180.3
155°	1231.9	1242.6	1222.1	1216.9	1229.8
157.5°	1277.1	1286.9	1268.3	1263.1	1274.2
160°	1304.2	1314.9	1295.5	1290.3	1303.1
162.5°	1327.9	1338.6	1320.9	1313.9	1326.8
165°	1360.1	1371.8	1353.5	1346.1	1360.1
167.5°	1387.0	1399.6	1380.2	1373.5	1387.4
170°	1402.8	1414.5	1395.1	1386.7	1400.6
172.5°	1413.3	1425.1	1405.6	1397.1	1406.7
175°	1424.7	1437.5	1418.1	1409.5	1414.8
177.5°	1429.7	1440.0	1424.5	1416.8	1428.8
180°	1428.0	1428.0	1428.0	1428.0	1428.0



TEST NUMBER: P1439575
 CATALOG NUMBER: CB3-D-085U-055D-940-1D-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	14.57	15.34	15.61	16.39	17.80	13.49	14.26	14.54	15.31	16.72
	3H	16.23	16.92	17.28	17.97	19.41	14.90	15.59	15.95	16.64	18.07
	4H	16.86	17.51	17.92	18.57	20.00	15.41	16.06	16.48	17.12	18.56
	6H	17.24	17.84	18.31	18.90	20.35	15.73	16.32	16.80	17.39	18.84
	8H	17.37	17.94	18.45	19.02	20.46	15.85	16.42	16.92	17.49	18.94
	12H	17.44	17.98	18.52	19.05	20.52	15.92	16.46	17.00	17.53	19.00
4H	2H	14.97	15.62	16.04	16.68	18.12	14.11	14.76	15.18	15.82	17.26
	3H	16.85	17.39	17.93	18.48	19.93	15.72	16.26	16.80	17.35	18.80
	4H	17.59	18.09	18.68	19.17	20.64	16.32	16.82	17.41	17.90	19.37
	6H	18.09	18.52	19.18	19.62	21.08	16.73	17.16	17.82	18.26	19.72
	8H	18.28	18.68	19.37	19.77	21.25	16.90	17.30	17.99	18.39	19.87
	12H	18.37	18.73	19.48	19.84	21.33	17.00	17.36	18.11	18.46	19.95
8H	4H	17.72	18.11	18.81	19.21	20.69	16.58	16.97	17.67	18.07	19.55
	6H	18.33	18.66	19.45	19.79	21.27	17.10	17.43	18.22	18.56	20.04
	8H	18.61	18.89	19.73	20.01	21.51	17.35	17.64	18.47	18.76	20.26
	12H	18.77	19.02	19.89	20.13	21.67	17.52	17.78	18.65	18.89	20.43
12H	4H	17.68	18.04	18.79	19.15	20.64	16.57	16.93	17.68	18.04	19.53
	6H	18.35	18.64	19.47	19.75	21.25	17.16	17.45	18.28	18.56	20.06
	8H	18.64	18.90	19.77	20.01	21.54	17.44	17.69	18.56	18.80	20.34