

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: P1439587

Luminaire Tested: CB3-D-085U-120D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439587
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-120D-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

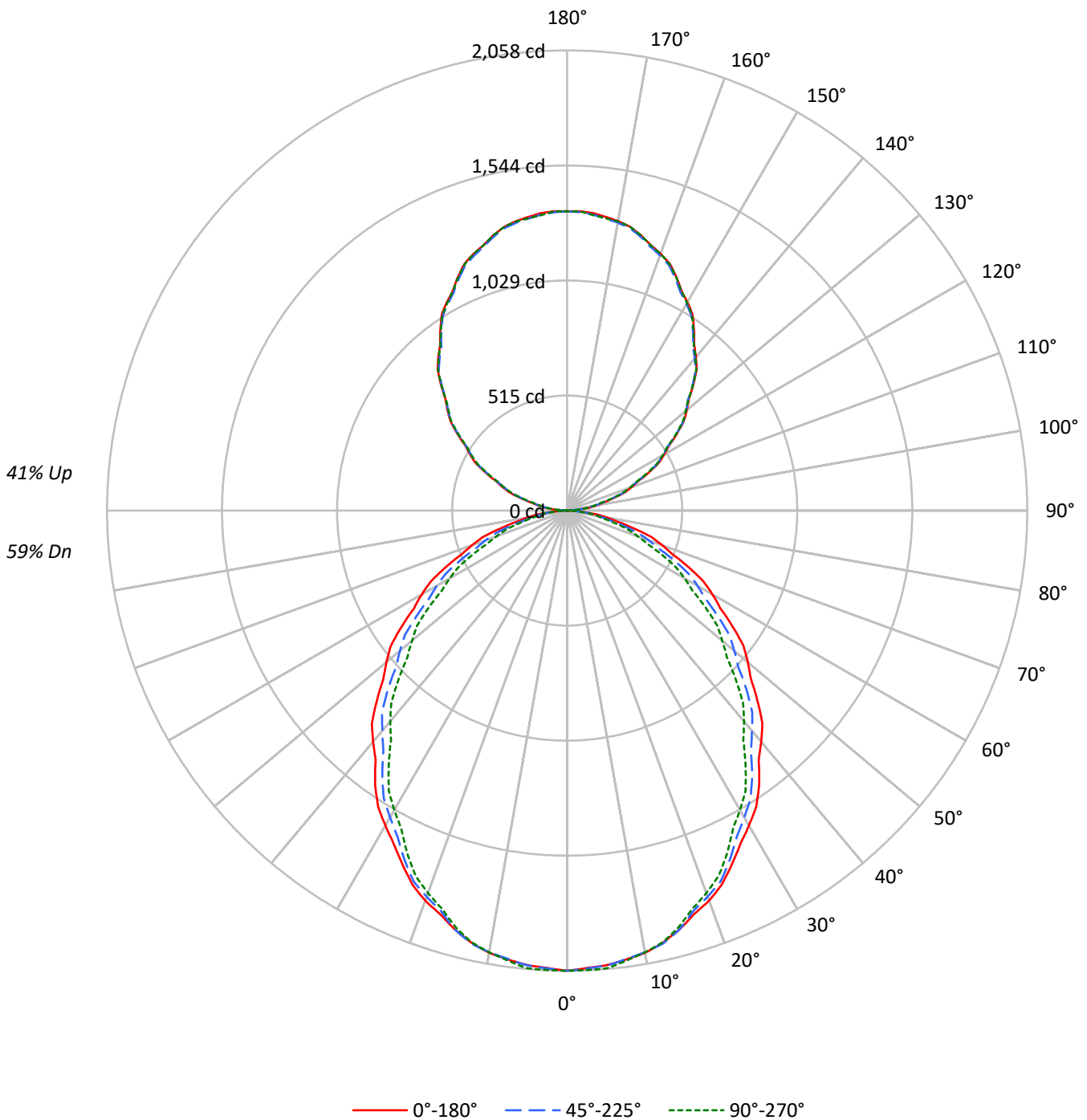
Lumens per Lamp: N/A
Luminaire Lumens: 8374.7 lumens
Efficiency: N/A
Efficacy: 135.1 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 62
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: P1439587

CATALOG NUMBER: CB3-D-085U-120D-930-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P1439587

CATALOG NUMBER: CB3-D-085U-120D-930-1D-UNV-STD-W-4

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20									20									20									20									
RC	80									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	109	109	109	109	102	102	102	102	88	88	88	76	76	76	64	64	64	59																			
1	100	96	92	88	93	89	86	83	78	75	73	67	65	64	57	56	55	50																			
2	91	84	78	73	85	78	73	69	68	64	61	59	56	53	51	48	46	42																			
3	83	74	67	61	78	69	63	58	61	55	51	52	49	45	45	42	40	36																			
4	76	66	58	52	71	62	54	49	54	48	44	47	43	39	40	37	34	31																			
5	70	59	50	44	65	55	48	42	48	43	38	42	38	34	36	33	30	27																			
6	65	53	45	39	60	50	42	37	44	38	33	38	34	30	33	29	27	24																			
7	60	48	40	34	56	45	38	33	40	34	30	35	30	27	30	27	24	21																			
8	56	43	36	30	52	41	34	29	36	31	26	32	27	24	28	24	21	19																			
9	52	40	32	27	49	38	31	26	33	28	24	29	25	21	26	22	19	17																			
10	49	36	29	24	45	35	28	23	31	25	21	27	23	20	24	20	18	16																			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23285	23285	23285
5°	23176	23193	23337
10°	23075	23040	23040
15°	22721	22721	22584
20°	22352	22124	21918
25°	21778	21503	21121
30°	21244	20691	20194
35°	20684	19916	19210
40°	19938	18988	18169
45°	19262	18163	17041
50°	18567	17178	15944
55°	17811	16225	14899
60°	16992	15241	13720
65°	16037	14120	12476
70°	14933	12806	11115
75°	13539	11239	9897
80°	11807	9422	8757
85°	9100	7971	7971

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19262 cd/sqm



TEST NUMBER: P1439587

CATALOG NUMBER: CB3-D-085U-120D-930-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	194.2	2.3
10°-20°	545.5	6.5
20°-30°	792.3	9.5
30°-40°	900.7	10.8
40°-50°	874.3	10.4
50°-60°	738.2	8.8
60°-70°	525.2	6.3
70°-80°	280.6	3.4
80°-90°	74.1	0.9
90°-100°	56.6	0.7
100°-110°	221.3	2.6
110°-120°	394.4	4.7
120°-130°	533.7	6.4
130°-140°	613.6	7.3
140°-150°	615.7	7.4
150°-160°	529.5	6.3
160°-170°	358.4	4.3
170°-180°	126.4	1.5
0°-30°	1532.0	18.3
0°-40°	2432.7	29.0
0°-60°	4045.3	48.3
0°-90°	4925.2	58.8
90°-120°	672.2	8.0
90°-150°	2435.2	29.1
90°-180°	3450.0	41.2
0°-180°	8374.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2058	2058	2058	2058	2058	
5°	2040	2066	2042	2039	2055	194
15°	1940	1957	1940	1928	1928	546
25°	1744	1750	1722	1699	1692	804
35°	1498	1483	1442	1399	1391	933
45°	1204	1185	1135	1081	1065	929
55°	903	879	822	770	755	807
65°	599	578	527	480	466	593
75°	310	293	257	231	226	330
85°	70	64	61	61	61	83
90°	0	0	0	0	0	5
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: P1439587

CATALOG NUMBER: CB3-D-085U-120D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2058.0	2058.0	2058.0	2058.0	2058.0
2.5°	2047.5	2068.1	2049.8	2052.3	2056.9
5°	2040.5	2066.2	2042.0	2039.4	2054.7
7.5°	2024.7	2048.1	2023.0	2017.1	2030.0
10°	2008.4	2034.1	2005.4	1998.3	2005.4
12.5°	1979.1	2006.0	1983.2	1971.4	1977.4
15°	1939.7	1956.8	1939.7	1928.0	1928.0
17.5°	1891.5	1909.5	1877.2	1868.9	1865.6
20°	1856.4	1872.1	1837.4	1825.6	1820.3
22.5°	1809.7	1824.2	1795.3	1774.5	1768.9
25°	1744.4	1750.1	1722.4	1698.9	1691.8
27.5°	1679.8	1681.2	1643.3	1614.7	1605.3
30°	1626.0	1627.5	1583.7	1552.8	1545.7
32.5°	1572.3	1568.0	1526.4	1489.8	1484.9
35°	1497.5	1483.2	1441.9	1399.4	1390.8
37.5°	1407.2	1398.6	1349.9	1307.2	1294.4
40°	1349.9	1335.6	1285.6	1243.0	1230.1
42.5°	1292.6	1276.1	1224.9	1177.5	1163.5
45°	1203.8	1185.2	1135.1	1080.7	1065.0
47.5°	1114.4	1094.1	1039.0	986.3	968.9
50°	1054.8	1033.4	975.9	924.4	905.8
52.5°	994.0	971.5	914.0	861.3	846.2
55°	902.9	878.6	822.5	769.6	755.3
57.5°	811.7	787.7	731.9	681.9	664.7
60°	750.9	728.1	673.5	623.4	606.3
62.5°	689.0	667.3	613.9	565.0	549.0
65°	599.0	577.6	527.4	480.3	466.0
67.5°	509.9	491.6	442.1	398.9	387.4
70°	451.4	434.3	387.1	347.4	336.0
72.5°	395.3	377.0	332.2	298.4	290.4
75°	309.7	292.6	257.1	230.7	226.4
77.5°	231.4	217.4	186.7	171.8	169.5
80°	181.2	168.3	144.6	134.4	134.4
82.5°	134.4	123.8	108.4	104.0	104.0
85°	70.1	64.4	61.4	61.4	61.4
87.5°	21.0	21.0	19.9	18.7	18.7
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: P1439587

CATALOG NUMBER: CB3-D-085U-120D-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



TEST NUMBER: P1439587
 CATALOG NUMBER: CB3-D-085U-120D-930-1D-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	18.86	19.79	19.74	20.69	21.83	17.78	18.72	18.66	19.62	20.76
	3H	20.53	21.37	21.43	22.28	23.44	19.20	20.04	20.09	20.95	22.11
	4H	21.17	21.96	22.08	22.87	24.05	19.72	20.51	20.63	21.43	22.60
	6H	21.56	22.28	22.48	23.21	24.39	20.04	20.77	20.96	21.69	22.88
	8H	21.70	22.39	22.62	23.33	24.51	20.17	20.86	21.10	21.80	22.99
	12H	21.77	22.43	22.70	23.36	24.57	20.25	20.91	21.18	21.84	23.05
4H	2H	19.28	20.07	20.19	20.98	22.16	18.42	19.21	19.33	20.12	21.30
	3H	21.17	21.83	22.10	22.78	23.97	20.05	20.70	20.97	21.65	22.84
	4H	21.93	22.53	22.86	23.47	24.68	20.65	21.26	21.59	22.20	23.41
	6H	22.43	22.95	23.38	23.91	25.13	21.07	21.59	22.02	22.55	23.77
	8H	22.63	23.11	23.58	24.07	25.30	21.24	21.73	22.19	22.68	23.91
	12H	22.73	23.16	23.70	24.14	25.37	21.35	21.79	22.32	22.76	24.00
8H	4H	22.06	22.54	23.01	23.50	24.73	20.92	21.41	21.87	22.36	23.59
	6H	22.68	23.08	23.66	24.08	25.31	21.45	21.85	22.43	22.85	24.08
	8H	22.96	23.31	23.94	24.30	25.55	21.71	22.06	22.69	23.05	24.30
	12H	23.13	23.44	24.11	24.42	25.71	21.89	22.20	22.87	23.18	24.47
12H	4H	22.04	22.47	23.01	23.45	24.68	20.93	21.36	21.90	22.34	23.57
	6H	22.70	23.05	23.69	24.04	25.29	21.51	21.86	22.50	22.85	24.10
	8H	23.00	23.31	23.99	24.30	25.59	21.80	22.11	22.78	23.09	24.38