

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: P1438769

Luminaire Tested: CB2-0U-085D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438769
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-0U-085D-927-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE
2-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
DIRECT ONLY
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

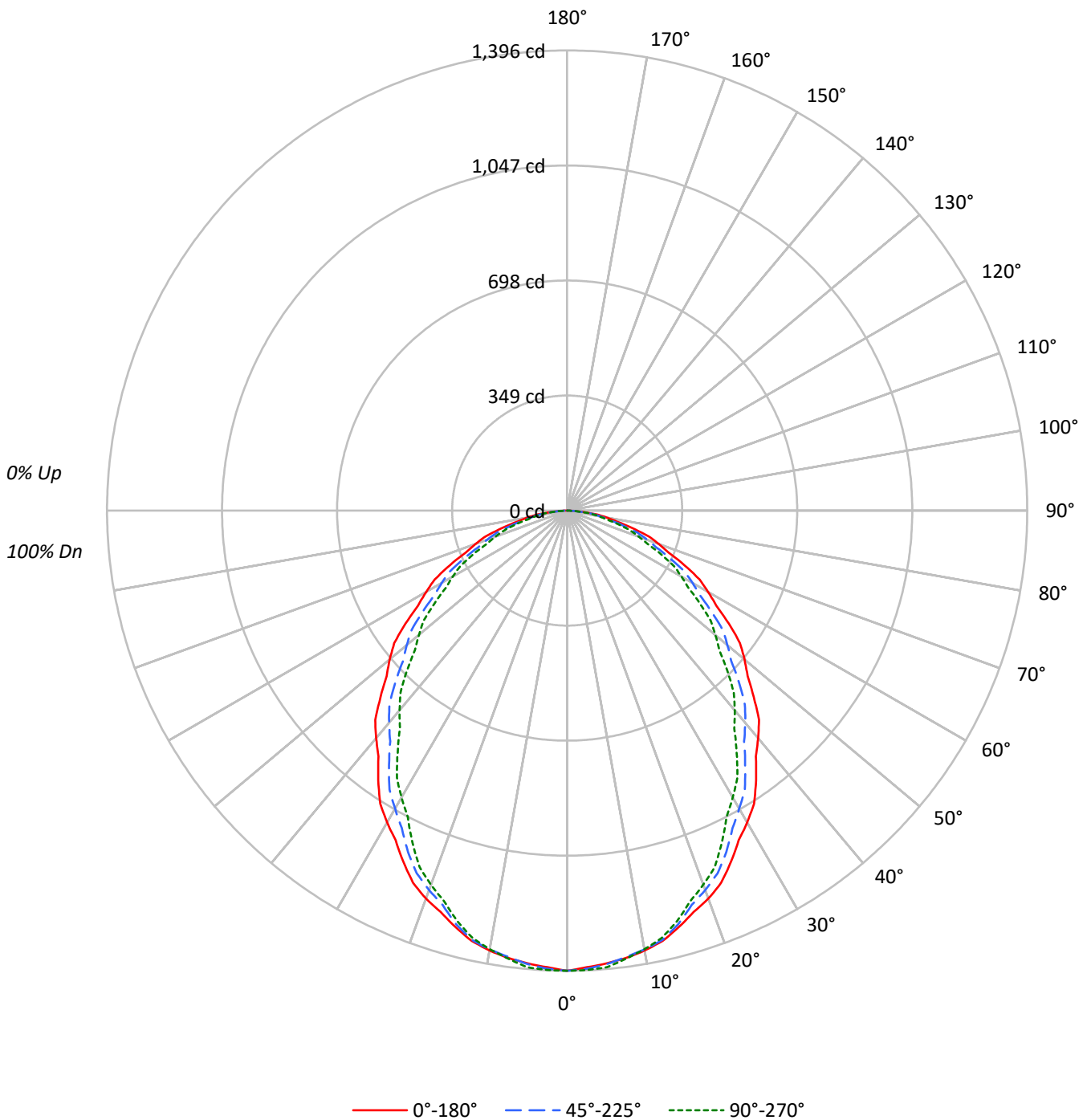
Lumens per Lamp: N/A
Luminaire Lumens: 3255.4 lumens
Efficiency: N/A
Efficacy: 112.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 28.9
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: P1438769

CATALOG NUMBER: CB2-OU-085D-927-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P1438769

CATALOG NUMBER: CB2-OU-085D-927-1D-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	0	
RCR																						
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100				100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85				85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72				72
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61				61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53				53
5	78	65	56	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46				46
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41				41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	49	43	38	36				36
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33				33
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29				29
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27				27

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24315	24315	24315
5°	24109	24147	24315
10°	23972	23915	23896
15°	23593	23438	23245
20°	23221	22706	22389
25°	22596	21960	21343
30°	21970	21003	20208
35°	21250	20023	19068
40°	20488	19103	17985
45°	19720	18141	16929
50°	19030	17204	15900
55°	18177	16231	14931
60°	17201	15303	13962
65°	16168	14272	12994
70°	15023	13118	11759
75°	13668	11871	10646
80°	12227	10401	9649
85°	9393	8553	7054

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19720 cd/sqm



TEST NUMBER: P1438769

CATALOG NUMBER: CB2-OU-085D-927-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.3	4.0
10°-20°	365.9	11.2
20°-30°	526.2	16.2
30°-40°	591.4	18.2
40°-50°	571.3	17.5
50°-60°	482.7	14.8
60°-70°	346.7	10.7
70°-80°	189.5	5.8
80°-90°	50.3	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1023.4	31.4
0°-40°	1614.8	49.6
0°-60°	2668.8	82.0
0°-90°	3255.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3255.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1396	1396	1396	1396	1396	
5°	1379	1398	1381	1381	1391	131
15°	1308	1320	1300	1287	1289	369
25°	1176	1177	1143	1117	1111	541
35°	999	988	942	905	897	624
45°	801	784	736	698	687	619
55°	599	577	534	501	492	535
65°	392	378	346	322	315	389
75°	203	191	176	162	158	217
85°	47	44	43	37	35	58
90°	0	0	0	0	0	



TEST NUMBER: P1438769

CATALOG NUMBER: CB2-OU-085D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1396.0	1396.0	1396.0	1396.0	1396.0
2.5°	1386.6	1403.3	1390.9	1392.7	1395.2
5°	1378.9	1397.7	1381.1	1381.3	1390.7
7.5°	1369.1	1386.8	1365.9	1362.0	1370.8
10°	1355.4	1373.2	1352.2	1344.9	1351.1
12.5°	1337.4	1354.4	1334.2	1322.6	1328.0
15°	1308.4	1319.9	1299.8	1287.0	1289.1
17.5°	1276.7	1283.8	1254.9	1244.2	1242.1
20°	1252.8	1259.1	1225.0	1210.0	1207.9
22.5°	1222.0	1227.4	1191.6	1173.2	1170.3
25°	1175.8	1176.9	1142.7	1116.9	1110.6
27.5°	1127.5	1124.2	1086.2	1055.7	1047.5
30°	1092.4	1088.3	1044.3	1012.1	1004.8
32.5°	1054.8	1047.3	1003.3	968.5	961.2
35°	999.4	987.9	941.7	905.2	896.8
37.5°	940.4	927.5	882.1	842.3	832.9
40°	901.1	886.5	840.2	800.4	791.0
42.5°	861.8	845.5	798.3	758.5	748.2
45°	800.6	783.9	736.5	697.8	687.3
47.5°	742.5	721.2	675.1	636.6	626.2
50°	702.3	679.3	634.9	597.3	586.8
52.5°	661.2	637.4	594.8	558.8	548.4
55°	598.6	576.7	534.5	501.1	491.7
57.5°	536.6	515.5	477.0	445.1	435.9
60°	493.8	476.1	439.3	409.2	400.8
62.5°	452.8	436.7	401.7	374.1	365.8
65°	392.3	377.7	346.3	321.6	315.3
67.5°	333.5	318.9	293.5	271.3	264.2
70°	295.0	280.4	257.6	237.2	230.9
72.5°	258.3	242.8	224.3	205.6	201.0
75°	203.1	190.6	176.4	162.4	158.2
77.5°	154.4	142.2	131.9	122.0	121.0
80°	121.9	111.4	103.7	97.2	96.2
82.5°	91.1	83.1	78.0	73.3	73.1
85°	47.0	43.9	42.8	37.4	35.3
87.5°	13.7	13.7	12.0	10.3	10.3
90°	0.0	0.0	0.0	0.0	0.0



TEST NUMBER: P1438769

CATALOG NUMBER: CB2-0U-085D-927-1D-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	21.94	23.52	22.30	23.83	24.14	20.84	22.42	21.20	22.73	23.05
	3H	23.63	25.05	24.01	25.38	25.74	22.41	23.84	22.79	24.16	24.53
	4H	24.29	25.63	24.69	25.98	26.35	23.02	24.36	23.42	24.70	25.08
	6H	24.73	25.97	25.14	26.33	26.72	23.42	24.66	23.84	25.03	25.42
	8H	24.90	26.08	25.32	26.47	26.87	23.58	24.77	24.01	25.15	25.55
	12H	24.99	26.12	25.42	26.51	26.93	23.67	24.80	24.10	25.18	25.61
4H	2H	22.43	23.76	22.83	24.11	24.49	21.55	22.89	21.95	23.24	23.61
	3H	24.36	25.47	24.77	25.87	26.27	23.35	24.46	23.76	24.86	25.26
	4H	25.13	26.14	25.56	26.55	26.99	24.05	25.06	24.48	25.47	25.91
	6H	25.69	26.57	26.14	27.01	27.47	24.56	25.44	25.02	25.88	26.34
	8H	25.91	26.73	26.37	27.17	27.64	24.77	25.59	25.23	26.03	26.50
	12H	26.05	26.79	26.53	27.26	27.73	24.89	25.63	25.37	26.10	26.57
8H	4H	25.34	26.16	25.80	26.61	27.07	24.38	25.20	24.84	25.64	26.11
	6H	26.01	26.69	26.50	27.18	27.66	25.01	25.69	25.50	26.18	26.66
	8H	26.31	26.92	26.82	27.43	27.91	25.29	25.90	25.80	26.41	26.89
	12H	26.51	27.05	27.02	27.54	28.11	25.47	26.01	25.98	26.50	27.07
12H	4H	25.35	26.09	25.83	26.57	27.04	24.41	25.15	24.89	25.63	26.10
	6H	26.04	26.66	26.55	27.16	27.65	25.08	25.69	25.59	26.20	26.68
	8H	26.39	26.93	26.90	27.43	27.99	25.41	25.96	25.92	26.45	27.01