

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: P1439031

Luminaire Tested: CB2-D-055U-085D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439031
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-13, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-D-055U-085D-940-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

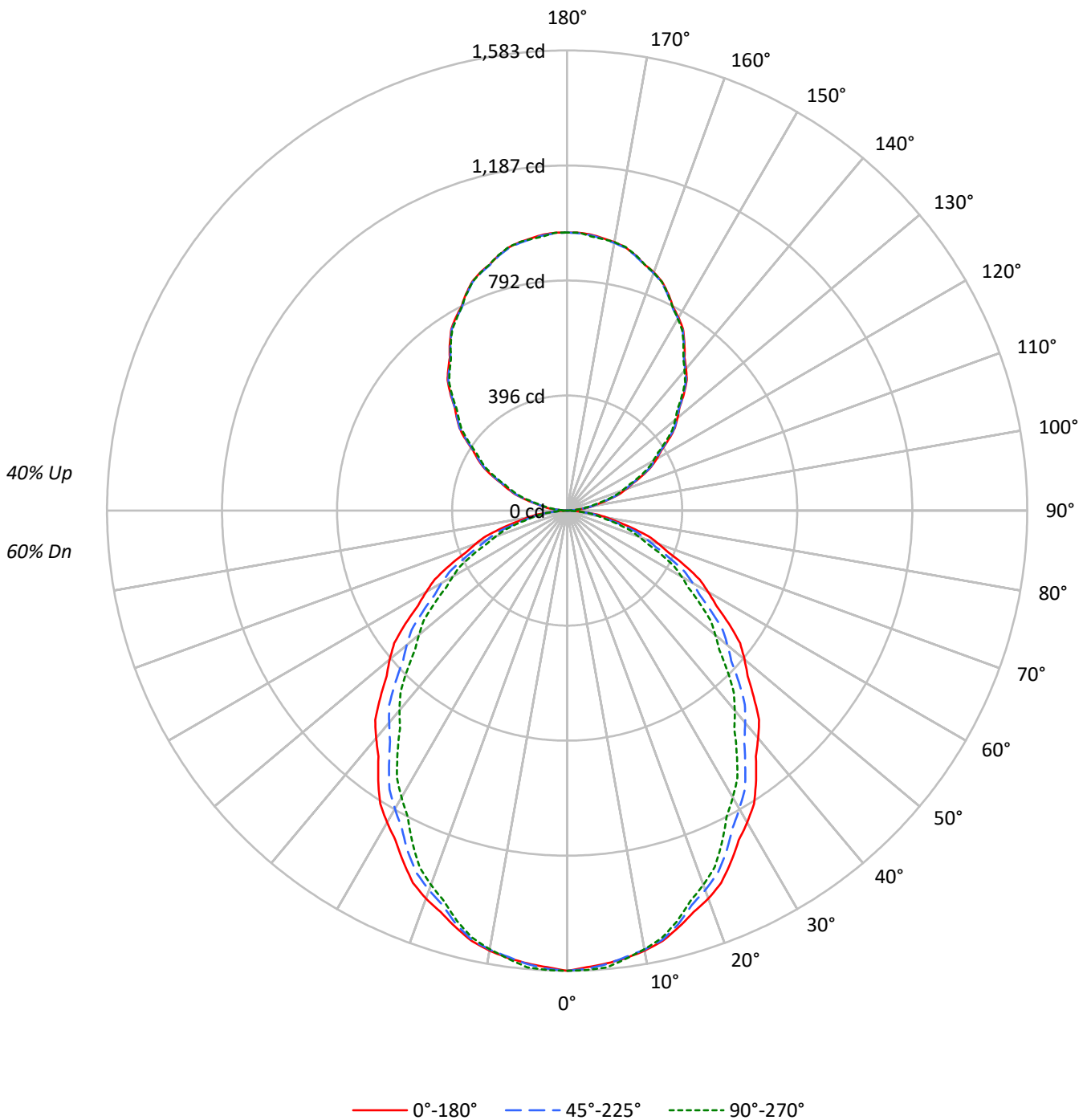
Lumens per Lamp: N/A
Luminaire Lumens: 6131.3 lumens
Efficiency: N/A
Efficacy: 136.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 44.9
Input Voltage (V): 120
Input Current (Ain): 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

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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	65	65	65	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	71	59	51	45	66	55	48	43	49	43	39	43	38	35	37	34	31	28
6	65	53	45	39	61	50	43	37	44	38	34	39	34	30	34	30	27	25
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	33	28	24	29	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	25	21	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	27573	27573	27573
5°	27340	27381	27574
10°	27185	27120	27099
15°	26754	26579	26361
20°	26333	25749	25389
25°	25625	24903	24205
30°	24917	23818	22917
35°	24099	22706	21624
40°	23235	21664	20395
45°	22363	20573	19198
50°	21580	19510	18033
55°	20613	18405	16932
60°	19507	17355	15836
65°	18336	16184	14738
70°	17039	14875	13332
75°	15498	13459	12073
80°	13862	11796	10943
85°	10652	9692	7994

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 22363 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.9	2.4
10°-20°	415.0	6.8
20°-30°	596.7	9.7
30°-40°	670.7	10.9
40°-50°	647.9	10.6
50°-60°	547.4	8.9
60°-70°	393.2	6.4
70°-80°	214.9	3.5
80°-90°	57.1	0.9
90°-100°	36.9	0.6
100°-110°	152.4	2.5
110°-120°	276.7	4.5
120°-130°	376.5	6.1
130°-140°	434.6	7.1
140°-150°	438.0	7.1
150°-160°	378.0	6.2
160°-170°	256.2	4.2
170°-180°	90.4	1.5
0°-30°	1160.6	18.9
0°-40°	1831.2	29.9
0°-60°	3026.5	49.4
0°-90°	3691.7	60.2
90°-120°	466.0	7.6
90°-150°	1715.1	28.0
90°-180°	2440.0	39.8
0°-180°	6131.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1583	1583	1583	1583	1583	
5°	1564	1585	1566	1566	1577	148
15°	1484	1497	1474	1460	1462	418
25°	1333	1335	1296	1267	1260	614
35°	1133	1120	1068	1026	1017	708
45°	908	889	835	791	779	701
55°	679	654	606	568	558	607
65°	445	428	393	365	358	441
75°	230	216	200	184	179	246
85°	53	50	48	42	40	63
90°	0	0	1	0	1	3
95°	36	31	30	23	23	42
105°	151	148	145	136	135	160
115°	286	286	281	272	272	283
125°	426	430	422	413	413	380
135°	568	574	565	554	558	437
145°	704	712	701	693	698	440
155°	823	831	819	814	821	378
165°	910	919	907	902	910	256
175°	953	963	951	945	947	90
180°	957	957	957	957	957	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1583.1	1583.1	1583.1	1583.1	1583.1
2.5°	1572.5	1591.4	1577.3	1579.3	1582.1
5°	1563.7	1585.1	1566.1	1566.4	1577.1
7.5°	1552.6	1572.7	1548.9	1544.6	1554.5
10°	1537.1	1557.2	1533.4	1525.1	1532.2
12.5°	1516.7	1535.9	1513.1	1499.9	1506.0
15°	1483.7	1496.8	1474.0	1459.5	1461.9
17.5°	1447.8	1455.9	1423.1	1410.9	1408.6
20°	1420.7	1427.8	1389.2	1372.1	1369.8
22.5°	1385.8	1391.9	1351.3	1330.4	1327.1
25°	1333.4	1334.6	1295.8	1266.6	1259.5
27.5°	1278.6	1274.8	1231.8	1197.2	1187.9
30°	1238.9	1234.1	1184.3	1147.8	1139.5
32.5°	1196.2	1187.7	1137.8	1098.3	1090.0
35°	1133.4	1120.4	1067.9	1026.5	1017.0
37.5°	1066.5	1051.8	1000.3	955.2	944.5
40°	1021.9	1005.3	952.8	907.7	897.0
42.5°	977.3	958.8	905.3	860.1	848.5
45°	907.9	889.0	835.2	791.3	779.4
47.5°	842.0	817.8	765.6	722.0	710.1
50°	796.4	770.3	720.0	677.3	665.5
52.5°	749.9	722.8	674.5	633.7	621.9
55°	678.8	653.9	606.1	568.3	557.6
57.5°	608.5	584.6	540.9	504.8	494.3
60°	560.0	539.9	498.2	464.1	454.6
62.5°	513.5	495.2	455.5	424.3	414.8
65°	444.9	428.3	392.7	364.7	357.6
67.5°	378.2	361.6	332.9	307.7	299.7
70°	334.6	318.0	292.1	268.9	261.8
72.5°	292.9	275.3	254.3	233.1	227.9
75°	230.3	216.1	200.0	184.1	179.4
77.5°	175.0	161.3	149.6	138.4	137.2
80°	138.2	126.3	117.6	110.3	109.1
82.5°	103.3	94.3	88.5	83.2	82.9
85°	53.3	49.8	48.5	42.4	40.0
87.5°	15.5	15.5	13.7	11.6	11.8
90°	0.0	0.0	0.7	0.0	0.7
92.5°	9.0	7.8	7.3	4.8	5.5
95°	35.8	31.4	29.8	23.1	23.1
97.5°	67.6	63.2	60.9	54.0	52.5
100°	90.3	85.9	83.6	76.1	74.6
102.5°	113.6	111.5	107.4	99.4	97.9
105°	150.7	148.5	144.8	136.5	135.1
107.5°	188.9	189.4	183.7	176.9	174.9
110°	216.4	215.7	211.2	204.4	203.0



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	244.4	243.1	238.6	231.9	230.4
115°	286.5	285.8	280.6	272.3	271.6
117.5°	326.5	328.9	322.6	314.0	313.7
120°	355.2	358.1	350.7	343.2	341.7
122.5°	383.2	386.7	379.4	370.7	371.0
125°	426.1	430.4	421.6	412.6	413.4
127.5°	467.4	472.8	464.6	455.5	456.4
130°	495.5	502.0	493.2	483.6	485.0
132.5°	524.1	530.7	521.9	511.6	514.3
135°	567.8	574.4	564.9	554.5	558.1
137.5°	609.0	615.6	605.1	596.4	600.8
140°	636.5	643.0	632.0	623.9	628.3
142.5°	663.3	671.1	659.5	650.8	656.3
145°	703.6	711.7	700.7	692.6	697.7
147.5°	741.8	749.9	738.7	730.9	736.2
150°	766.3	774.3	762.6	756.0	761.8
152.5°	789.0	798.2	785.9	779.3	786.9
155°	823.0	831.1	819.3	814.2	820.8
157.5°	852.6	861.9	850.2	845.8	851.1
160°	872.3	881.0	869.3	864.9	870.8
162.5°	887.2	896.5	885.4	880.5	887.5
165°	909.6	919.1	907.3	902.3	910.3
167.5°	927.2	937.3	925.4	920.2	928.4
170°	937.9	947.4	935.0	929.2	937.9
172.5°	945.1	955.2	942.1	936.3	942.1
175°	952.9	963.1	950.6	944.7	946.9
177.5°	956.6	964.8	954.8	949.6	956.6
180°	956.6	956.6	956.6	956.6	956.6



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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	19.42	20.37	20.29	21.25	22.37	18.32	19.27	19.19	20.15	21.27
	3H	21.07	21.92	21.95	22.82	23.96	19.85	20.70	20.73	21.60	22.74
	4H	21.70	22.51	22.60	23.41	24.56	20.43	21.23	21.33	22.14	23.29
	6H	22.11	22.85	23.02	23.76	24.93	20.81	21.55	21.71	22.46	23.62
	8H	22.26	22.97	23.18	23.89	25.06	20.95	21.65	21.87	22.58	23.75
	12H	22.34	23.01	23.26	23.93	25.12	21.02	21.69	21.94	22.61	23.80
4H	2H	19.84	20.64	20.74	21.54	22.70	18.97	19.77	19.87	20.67	21.82
	3H	21.72	22.39	22.63	23.32	24.49	20.71	21.38	21.62	22.31	23.48
	4H	22.47	23.08	23.39	24.00	25.20	21.38	21.99	22.31	22.92	24.12
	6H	22.99	23.52	23.93	24.47	25.66	21.86	22.39	22.80	23.34	24.54
	8H	23.20	23.69	24.14	24.63	25.84	22.06	22.55	22.99	23.49	24.70
	12H	23.31	23.75	24.26	24.71	25.93	22.15	22.59	23.11	23.56	24.77
8H	4H	22.63	23.12	23.57	24.07	25.28	21.67	22.16	22.60	23.10	24.31
	6H	23.27	23.68	24.24	24.67	25.88	22.27	22.68	23.24	23.67	24.88
	8H	23.57	23.92	24.54	24.90	26.13	22.55	22.91	23.52	23.89	25.11
	12H	23.74	24.06	24.72	25.03	26.31	22.70	23.02	23.68	23.99	25.26
12H	4H	22.61	23.06	23.57	24.02	25.23	21.67	22.11	22.63	23.08	24.29
	6H	23.30	23.66	24.28	24.64	25.87	22.34	22.70	23.31	23.67	24.90
	8H	23.62	23.94	24.60	24.91	26.19	22.65	22.96	23.62	23.93	25.21