

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: P1439583

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439583
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-085D-940-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

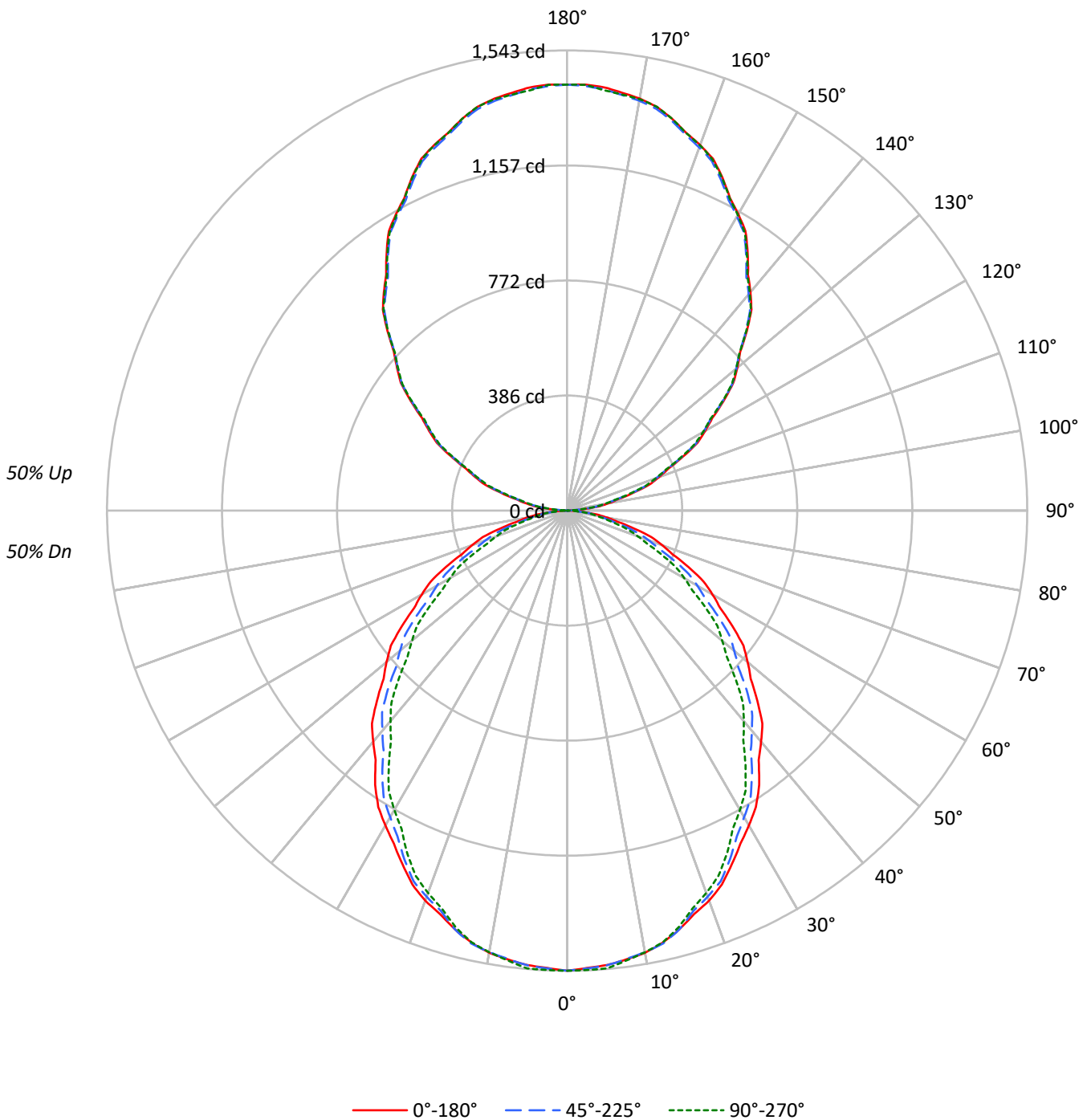
Lumens per Lamp: N/A
Luminaire Lumens: 7372.7 lumens
Efficiency: N/A
Efficacy: 148.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 49.5
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

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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	50	30	10	50	30	10	0		
RCR																										
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	56	56	56	56	56	56	50		
1	98	94	90	86	90	87	83	80	73	71	69	61	60	58	50	49	48	48	48	48	48	48	48	43		
2	89	82	76	71	82	76	71	66	65	61	57	54	51	49	44	42	41	41	41	41	41	41	41	36		
3	82	72	65	59	75	67	61	56	57	52	48	48	44	41	39	37	35	35	35	35	35	35	35	31		
4	75	64	56	50	69	59	53	47	51	46	41	43	39	36	35	32	30	30	30	30	30	30	30	26		
5	69	57	49	43	63	53	46	41	46	40	36	38	34	31	32	29	26	26	26	26	26	26	26	23		
6	63	51	43	38	58	48	41	35	41	35	31	35	30	27	29	26	23	23	23	23	23	23	23	20		
7	59	46	39	33	54	43	36	31	37	32	28	32	27	24	26	23	21	21	21	21	21	21	21	18		
8	54	42	34	29	50	39	32	28	34	29	25	29	25	22	24	21	19	19	19	19	19	19	19	16		
9	51	39	31	26	47	36	29	25	31	26	22	27	22	19	22	19	17	17	17	17	17	17	17	15		
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15	15	15	15	15	15	15	13		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17457	17457	17457
5°	17375	17388	17499
10°	17299	17274	17274
15°	17034	17034	16932
20°	16758	16587	16428
25°	16323	16118	15831
30°	15924	15508	15137
35°	15503	14929	14400
40°	14944	14234	13618
45°	14438	13615	12774
50°	13916	12876	11950
55°	13349	12161	11167
60°	12738	11423	10283
65°	12021	10583	9352
70°	11195	9600	8333
75°	10151	8424	7419
80°	8848	7063	6561
85°	6829	5972	5972

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 14438 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	145.6	2.0
10°-20°	409.0	5.5
20°-30°	593.9	8.1
30°-40°	675.1	9.2
40°-50°	655.4	8.9
50°-60°	553.3	7.5
60°-70°	393.7	5.3
70°-80°	210.3	2.9
80°-90°	55.6	0.8
90°-100°	60.4	0.8
100°-110°	236.1	3.2
110°-120°	420.8	5.7
120°-130°	569.5	7.7
130°-140°	654.7	8.9
140°-150°	657.0	8.9
150°-160°	565.0	7.7
160°-170°	382.4	5.2
170°-180°	134.9	1.8
0°-30°	1148.5	15.6
0°-40°	1823.6	24.7
0°-60°	3032.3	41.1
0°-90°	3691.9	50.1
90°-120°	717.3	9.7
90°-150°	2598.4	35.2
90°-180°	3681.0	49.9
0°-180°	7372.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1543	1543	1543	1543	1543	
5°	1530	1549	1531	1529	1541	145
15°	1454	1467	1454	1446	1446	410
25°	1308	1312	1291	1273	1268	603
35°	1122	1112	1081	1049	1042	699
45°	902	888	851	810	798	696
55°	677	658	616	577	566	605
65°	449	433	395	360	349	445
75°	232	219	193	173	170	248
85°	53	48	46	46	46	62
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	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1542.9	1542.9	1542.9	1542.9	1542.9
2.5°	1535.1	1550.5	1536.8	1538.6	1542.1
5°	1529.8	1549.1	1530.9	1529.0	1540.7
7.5°	1518.0	1535.5	1516.7	1512.3	1521.9
10°	1505.7	1525.0	1503.5	1498.2	1503.5
12.5°	1483.8	1503.9	1486.9	1478.0	1482.5
15°	1454.2	1467.1	1454.2	1445.5	1445.5
17.5°	1418.1	1431.6	1407.4	1401.2	1398.6
20°	1391.8	1403.6	1377.6	1368.7	1364.4
22.5°	1356.8	1367.7	1346.0	1330.2	1325.9
25°	1307.5	1311.8	1291.1	1273.4	1268.1
27.5°	1259.1	1260.2	1231.7	1210.3	1203.3
30°	1218.8	1219.9	1187.0	1163.9	1158.6
32.5°	1178.5	1175.3	1144.1	1116.7	1113.0
35°	1122.4	1111.7	1080.8	1048.9	1042.5
37.5°	1054.8	1048.3	1011.8	979.9	970.2
40°	1011.8	1001.1	963.7	931.7	922.0
42.5°	968.9	956.5	918.1	882.6	872.1
45°	902.3	888.4	850.9	810.1	798.3
47.5°	835.3	820.1	778.8	739.3	726.2
50°	790.6	774.6	731.5	692.9	678.9
52.5°	745.1	728.2	685.1	645.6	634.3
55°	676.7	658.5	616.5	576.9	566.1
57.5°	608.4	590.4	548.6	511.1	498.3
60°	562.9	545.7	504.8	467.3	454.4
62.5°	516.4	500.2	460.1	423.5	411.5
65°	449.0	432.9	395.3	360.0	349.3
67.5°	382.2	368.5	331.4	299.0	290.4
70°	338.4	325.5	290.2	260.4	251.9
72.5°	296.3	282.6	249.0	223.7	217.7
75°	232.2	219.3	192.7	172.9	169.7
77.5°	173.5	163.0	139.9	128.7	127.0
80°	135.8	126.2	108.4	100.7	100.7
82.5°	100.7	92.8	81.3	78.0	78.0
85°	52.6	48.3	46.0	46.0	46.0
87.5°	15.8	15.8	14.9	14.0	14.0
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



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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



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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	17.09	17.94	18.05	18.91	20.18	16.01	16.86	16.97	17.83	19.11
	3H	18.75	19.52	19.72	20.50	21.79	17.42	18.19	18.39	19.17	20.46
	4H	19.38	20.11	20.37	21.09	22.39	17.94	18.66	18.92	19.65	20.95
	6H	19.77	20.43	20.76	21.42	22.74	18.26	18.92	19.25	19.91	21.23
	8H	19.91	20.54	20.91	21.55	22.86	18.38	19.01	19.38	20.02	21.33
	12H	19.97	20.57	20.98	21.58	22.91	18.46	19.06	19.46	20.06	21.39
4H	2H	17.50	18.22	18.49	19.20	20.50	16.64	17.36	17.63	18.34	19.65
	3H	19.38	19.99	20.38	21.00	22.32	18.26	18.86	19.25	19.87	21.19
	4H	20.13	20.68	21.14	21.69	23.03	18.86	19.41	19.87	20.42	21.76
	6H	20.63	21.11	21.65	22.14	23.47	19.27	19.75	20.29	20.78	22.11
	8H	20.83	21.27	21.85	22.29	23.64	19.44	19.88	20.46	20.91	22.26
	12H	20.92	21.32	21.96	22.36	23.72	19.55	19.95	20.59	20.99	22.34
8H	4H	20.26	20.70	21.28	21.73	23.08	19.12	19.56	20.14	20.59	21.94
	6H	20.88	21.24	21.92	22.31	23.66	19.65	20.01	20.69	21.08	22.43
	8H	21.16	21.48	22.21	22.53	23.90	19.90	20.22	20.95	21.27	22.64
	12H	21.32	21.60	22.37	22.65	24.06	20.08	20.36	21.13	21.41	22.82
12H	4H	20.23	20.63	21.27	21.67	23.03	19.12	19.52	20.16	20.56	21.92
	6H	20.90	21.22	21.95	22.27	23.64	19.71	20.03	20.76	21.08	22.45
	8H	21.20	21.48	22.25	22.52	23.93	19.99	20.27	21.04	21.32	22.73