

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: P1439577

Luminaire Tested: CB3-D-085U-085D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439577
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-927-1D-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: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

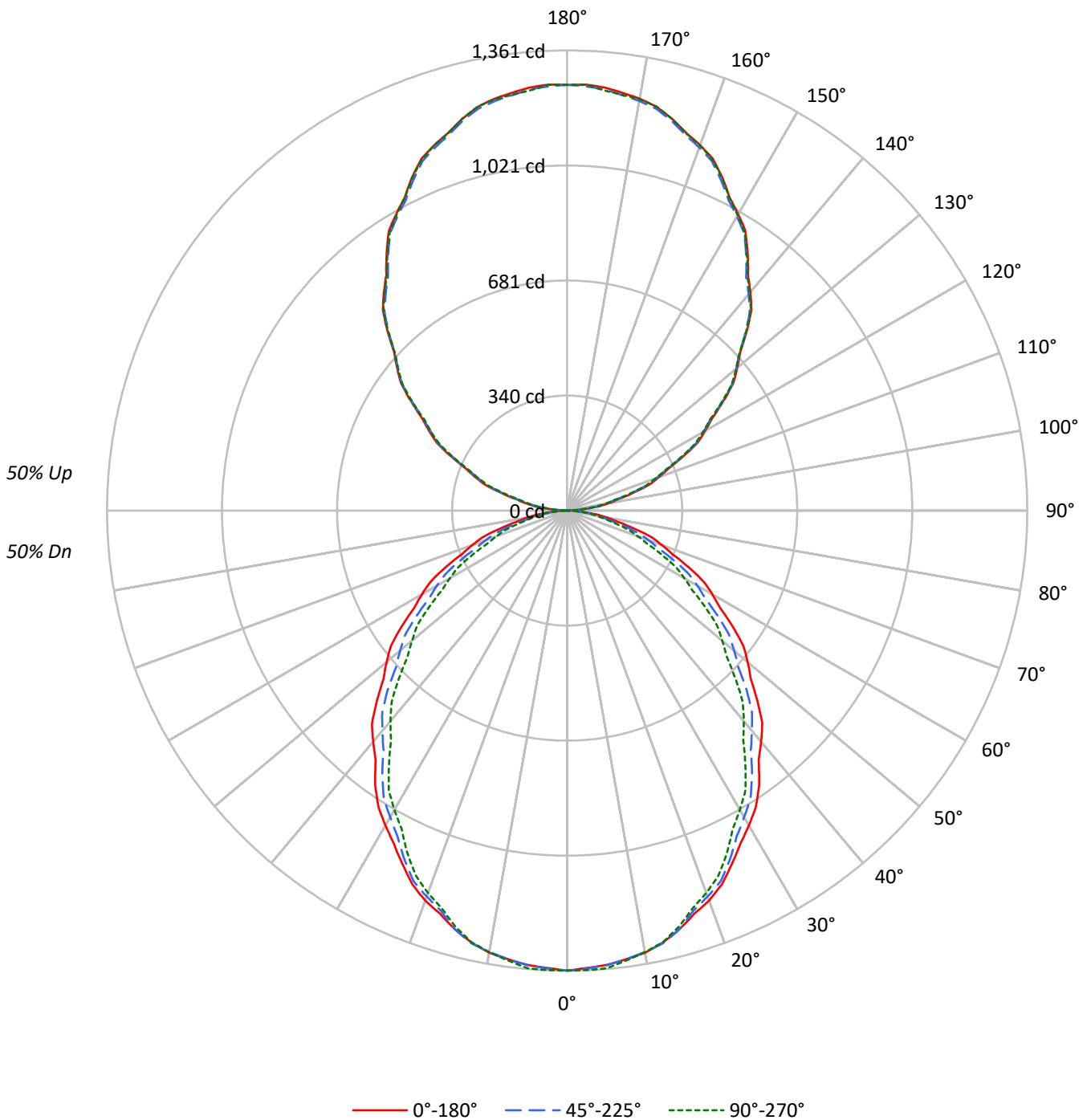
Lumens per Lamp: N/A
Luminaire Lumens: 6501.4 lumens
Efficiency: N/A
Efficacy: 131.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15395	15395	15395
5°	15322	15333	15432
10°	15255	15232	15232
15°	15022	15022	14930
20°	14778	14627	14487
25°	14394	14213	13960
30°	14042	13676	13347
35°	13672	13165	12698
40°	13179	12552	12010
45°	12732	12006	11265
50°	12272	11354	10539
55°	11773	10725	9847
60°	11231	10074	9067
65°	10599	9333	8246
70°	9872	8466	7347
75°	8949	7432	6544
80°	7799	6229	5786
85°	6024	5271	5271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12732 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.4	2.0
10°-20°	360.7	5.5
20°-30°	523.7	8.1
30°-40°	595.3	9.2
40°-50°	577.9	8.9
50°-60°	487.9	7.5
60°-70°	347.1	5.3
70°-80°	185.5	2.9
80°-90°	49.0	0.8
90°-100°	53.2	0.8
100°-110°	208.2	3.2
110°-120°	371.1	5.7
120°-130°	502.2	7.7
130°-140°	577.3	8.9
140°-150°	579.3	8.9
150°-160°	498.2	7.7
160°-170°	337.2	5.2
170°-180°	118.9	1.8
0°-30°	1012.8	15.6
0°-40°	1608.1	24.7
0°-60°	2674.0	41.1
0°-90°	3255.6	50.1
90°-120°	632.5	9.7
90°-150°	2291.3	35.2
90°-180°	3246.0	49.9
0°-180°	6501.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1361	1361	1361	1361	1361	
5°	1349	1366	1350	1348	1359	128
15°	1282	1294	1282	1275	1275	361
25°	1153	1157	1138	1123	1118	531
35°	990	980	953	925	919	617
45°	796	783	750	714	704	614
55°	597	581	544	509	499	534
65°	396	382	349	318	308	392
75°	205	193	170	152	150	218
85°	46	43	41	41	41	55
90°	0	0	0	0	0	4
95°	51	46	42	39	40	58
105°	202	201	194	191	189	215
115°	378	380	372	371	370	375
125°	564	570	559	557	558	504
135°	751	759	746	741	748	579
145°	931	938	923	918	927	582
155°	1086	1096	1078	1073	1084	500
165°	1199	1210	1194	1187	1199	338
175°	1256	1268	1250	1243	1248	119
180°	1259	1259	1259	1259	1259	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1360.6	1360.6	1360.6	1360.6	1360.6
2.5°	1353.6	1367.2	1355.2	1356.8	1359.8
5°	1349.0	1366.0	1350.0	1348.3	1358.7
7.5°	1338.6	1354.1	1337.4	1333.5	1342.0
10°	1327.8	1344.8	1325.8	1321.1	1325.8
12.5°	1308.4	1326.2	1311.1	1303.3	1307.3
15°	1282.4	1293.7	1282.4	1274.6	1274.6
17.5°	1250.5	1262.4	1241.0	1235.6	1233.3
20°	1227.3	1237.7	1214.8	1207.0	1203.2
22.5°	1196.4	1206.1	1187.0	1173.0	1169.2
25°	1153.0	1156.8	1138.5	1122.9	1118.2
27.5°	1110.3	1111.2	1086.2	1067.3	1061.0
30°	1074.8	1075.7	1046.8	1026.4	1021.6
32.5°	1039.2	1036.4	1008.9	984.7	981.5
35°	989.8	980.3	953.1	925.0	919.3
37.5°	930.1	924.4	892.3	864.1	855.6
40°	892.3	882.8	849.8	821.6	813.1
42.5°	854.4	843.4	809.6	778.3	769.0
45°	795.7	783.4	750.3	714.3	704.0
47.5°	736.6	723.2	686.8	651.9	640.4
50°	697.2	683.0	645.0	611.0	598.7
52.5°	657.0	642.1	604.1	569.3	559.3
55°	596.8	580.7	543.7	508.7	499.2
57.5°	536.5	520.6	483.8	450.7	439.4
60°	496.3	481.2	445.2	412.1	400.7
62.5°	455.4	441.0	405.8	373.5	362.9
65°	395.9	381.7	348.6	317.5	308.0
67.5°	337.0	324.9	292.2	263.6	256.1
70°	298.4	287.1	255.9	229.7	222.1
72.5°	261.3	249.2	219.6	197.3	192.0
75°	204.7	193.4	170.0	152.5	149.7
77.5°	153.0	143.7	123.4	113.5	112.0
80°	119.7	111.2	95.6	88.8	88.8
82.5°	88.8	81.9	71.7	68.8	68.8
85°	46.4	42.6	40.6	40.6	40.6
87.5°	13.9	13.9	13.1	12.4	12.4
90°	0.0	0.0	0.0	0.0	0.0
92.5°	13.9	12.4	7.7	6.2	6.2
95°	51.2	46.5	41.5	38.6	39.6
97.5°	94.4	89.9	83.8	80.9	81.7
100°	124.6	120.8	113.9	111.0	111.0
102.5°	153.9	151.7	144.8	142.0	142.7
105°	201.8	200.9	194.1	191.2	189.3
107.5°	254.7	253.0	245.5	245.2	243.5
110°	288.7	287.8	281.0	280.0	279.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	323.5	324.8	317.3	316.3	315.4
115°	378.5	380.4	371.8	370.8	369.8
117.5°	434.9	437.6	428.4	427.4	425.7
120°	471.2	476.9	465.4	464.5	463.5
122.5°	508.3	513.2	502.5	500.8	500.6
125°	563.9	570.5	559.1	557.2	558.1
127.5°	619.6	626.4	615.7	611.9	614.0
130°	656.6	664.2	652.8	649.0	651.8
132.5°	694.5	702.0	690.6	686.9	691.2
135°	751.3	758.8	746.4	740.8	748.4
137.5°	806.7	813.3	799.7	795.9	803.8
140°	843.0	849.6	835.3	830.7	840.1
142.5°	878.5	885.9	870.0	865.4	875.6
145°	930.9	938.4	923.2	918.5	927.0
147.5°	981.1	988.8	973.4	968.0	976.6
150°	1012.0	1020.5	1004.3	999.7	1009.1
152.5°	1042.1	1051.4	1034.4	1029.1	1040.8
155°	1086.3	1095.8	1077.7	1073.1	1084.4
157.5°	1126.1	1134.8	1118.4	1113.8	1123.6
160°	1150.1	1159.5	1142.4	1137.8	1149.1
162.5°	1170.9	1180.4	1164.8	1158.6	1170.0
165°	1199.3	1209.7	1193.5	1187.0	1199.3
167.5°	1223.1	1234.2	1217.1	1211.2	1223.5
170°	1237.0	1247.4	1230.2	1222.8	1235.1
172.5°	1246.3	1256.6	1239.5	1232.0	1240.5
175°	1256.3	1267.6	1250.5	1242.9	1247.6
177.5°	1260.7	1269.8	1256.1	1249.4	1260.0
180°	1259.2	1259.2	1259.2	1259.2	1259.2

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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	16.65	17.50	17.61	18.47	19.75	15.57	16.43	16.53	17.40	18.67
	3H	18.32	19.08	19.29	20.06	21.36	16.99	17.75	17.96	18.73	20.02
	4H	18.95	19.67	19.93	20.65	21.96	17.50	18.23	18.49	19.21	20.51
	6H	19.33	20.00	20.33	20.99	22.30	17.82	18.49	18.82	19.48	20.79
	8H	19.47	20.10	20.47	21.11	22.42	17.94	18.58	18.94	19.58	20.89
	12H	19.54	20.14	20.54	21.14	22.47	18.02	18.62	19.02	19.62	20.96
4H	2H	17.06	17.78	18.05	18.77	20.07	16.20	16.92	17.19	17.91	19.21
	3H	18.95	19.55	19.95	20.56	21.88	17.82	18.42	18.82	19.43	20.75
	4H	19.70	20.25	20.70	21.25	22.59	18.42	18.97	19.43	19.98	21.32
	6H	20.20	20.67	21.22	21.70	23.04	18.84	19.31	19.85	20.34	21.68
	8H	20.39	20.83	21.41	21.85	23.20	19.01	19.45	20.03	20.47	21.82
	12H	20.49	20.88	21.52	21.92	23.28	19.11	19.51	20.15	20.55	21.91
8H	4H	19.82	20.27	20.84	21.29	22.64	18.69	19.13	19.71	20.15	21.50
	6H	20.44	20.81	21.49	21.87	23.22	19.21	19.58	20.26	20.64	21.99
	8H	20.72	21.04	21.77	22.09	23.46	19.47	19.79	20.52	20.84	22.21
	12H	20.88	21.16	21.94	22.21	23.62	19.64	19.92	20.70	20.97	22.38
12H	4H	19.80	20.20	20.83	21.23	22.59	18.69	19.09	19.73	20.13	21.48
	6H	20.46	20.78	21.51	21.83	23.20	19.27	19.59	20.32	20.64	22.01
	8H	20.76	21.04	21.81	22.09	23.50	19.55	19.83	20.61	20.88	22.29