

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: P1439545

Luminaire Tested: CB3-D-055U-085D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439545
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-055U-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 550 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

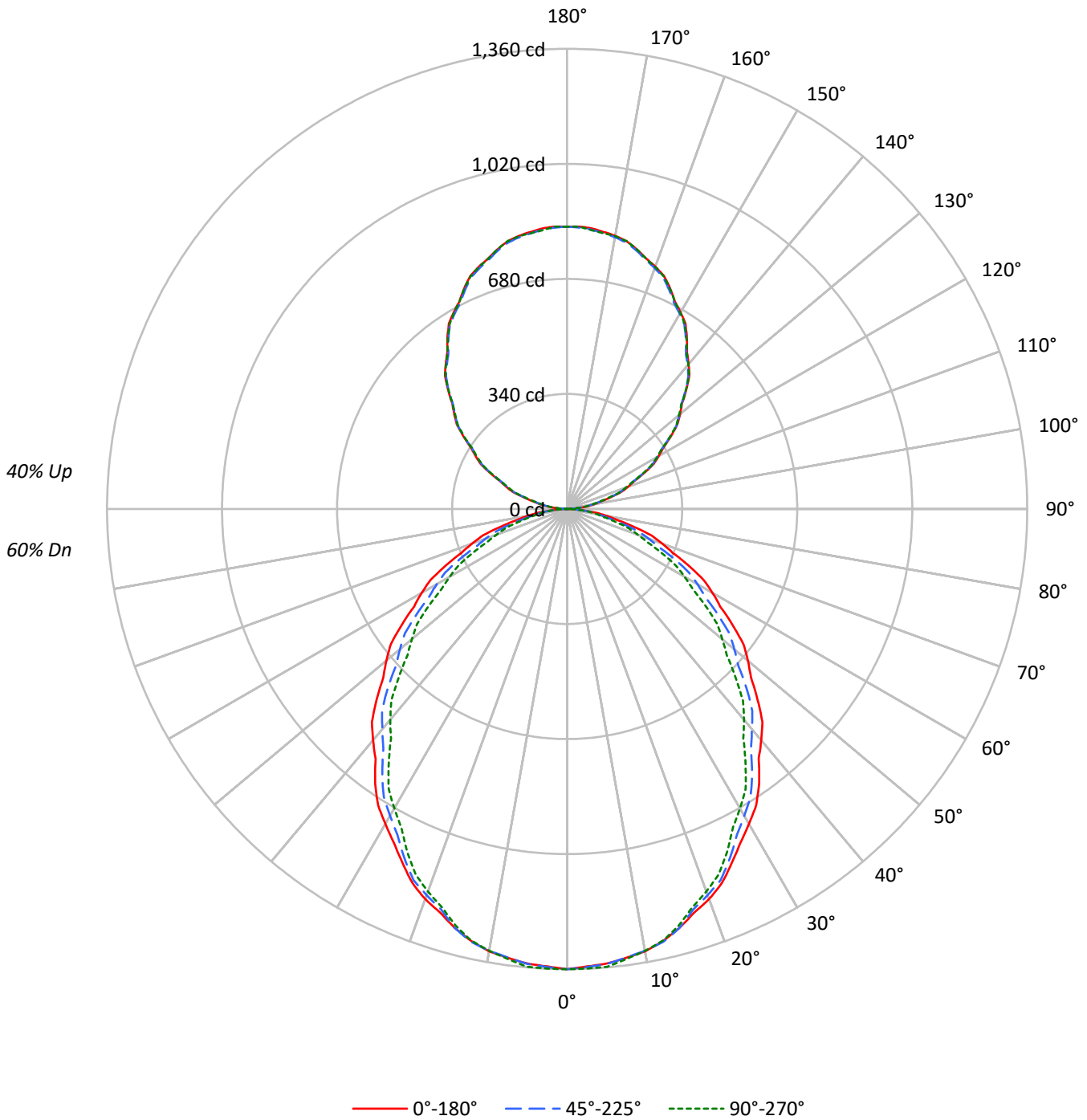
Lumens per Lamp: N/A
Luminaire Lumens: 5406.5 lumens
Efficiency: N/A
Efficacy: 130.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 41.6
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										
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	110	110	110	110	102	102	102	102	89	89	89	77	77	77	66	66	66	66	66	66	66	66	66	60														
1	100	96	92	89	94	90	87	83	78	76	74	68	66	64	58	57	56	56	56	56	56	56	56	51														
2	92	84	78	73	85	79	73	69	69	65	61	60	57	54	52	49	47	47	47	47	47	47	47	43														
3	84	74	67	61	78	70	63	58	61	56	52	53	49	46	46	43	41	41	41	41	41	41	41	37														
4	77	66	58	52	71	62	55	49	54	49	44	48	43	40	41	38	35	35	35	35	35	35	35	32														
5	70	59	51	45	66	55	48	43	49	43	38	43	38	35	37	34	31	31	31	31	31	31	31	28														
6	65	53	45	39	61	50	42	37	44	38	34	39	34	30	34	30	27	27	27	27	27	27	27	24														
7	60	48	40	34	56	45	38	33	40	34	30	35	31	27	31	27	24	24	24	24	24	24	24	22														
8	56	44	36	30	52	41	34	29	37	31	27	32	28	24	28	25	22	22	22	22	22	22	22	20														
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	26	23	20	20	20	20	20	20	20	18														
10	49	37	29	25	46	35	28	24	31	26	22	28	23	20	24	21	18	18	18	18	18	18	18	16														

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15391	15391	15391
5°	15318	15328	15424
10°	15251	15229	15229
15°	15017	15017	14927
20°	14774	14622	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°	128.3	2.4
10°-20°	360.6	6.7
20°-30°	523.7	9.7
30°-40°	595.3	11.0
40°-50°	577.9	10.7
50°-60°	487.9	9.0
60°-70°	347.1	6.4
70°-80°	185.5	3.4
80°-90°	49.0	0.9
90°-100°	35.3	0.7
100°-110°	138.0	2.6
110°-120°	245.9	4.5
120°-130°	332.8	6.2
130°-140°	382.6	7.1
140°-150°	383.9	7.1
150°-160°	330.2	6.1
160°-170°	223.5	4.1
170°-180°	78.8	1.5
0°-30°	1012.6	18.7
0°-40°	1607.9	29.7
0°-60°	2673.8	49.5
0°-90°	3255.5	60.2
90°-120°	419.2	7.8
90°-150°	1518.5	28.1
90°-180°	2151.0	39.8
0°-180°	5406.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1360	1360	1360	1360	1360	
5°	1349	1366	1350	1348	1358	128
15°	1282	1293	1282	1274	1274	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	3
95°	34	31	28	26	26	39
105°	134	133	129	127	125	143
115°	251	252	246	246	245	249
125°	374	378	370	369	370	334
135°	498	503	495	491	496	384
145°	617	622	612	609	614	385
155°	720	726	714	711	719	331
165°	795	802	791	787	795	224
175°	833	840	829	824	827	79
180°	834	834	834	834	834	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1360.3	1360.3	1360.3	1360.3	1360.3
2.5°	1353.3	1366.9	1354.9	1356.5	1359.5
5°	1348.7	1365.7	1349.6	1347.9	1358.0
7.5°	1338.2	1353.7	1337.1	1333.2	1341.7
10°	1327.4	1344.4	1325.5	1320.8	1325.5
12.5°	1308.1	1325.9	1310.8	1303.0	1307.0
15°	1282.0	1293.4	1282.0	1274.3	1274.3
17.5°	1250.2	1262.1	1240.7	1235.3	1233.1
20°	1227.0	1237.4	1214.4	1206.6	1203.2
22.5°	1196.1	1205.7	1186.6	1172.9	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°	9.2	8.2	5.1	4.1	4.1
95°	33.9	30.8	27.5	25.6	26.2
97.5°	62.6	59.6	55.5	53.6	54.1
100°	82.6	80.1	75.5	73.6	73.6
102.5°	102.0	100.5	96.0	94.1	94.6
105°	133.7	133.1	128.6	126.7	125.4
107.5°	168.8	167.7	162.7	162.5	161.4
110°	191.3	190.7	186.2	185.6	184.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	214.4	215.3	210.3	209.6	209.0
115°	250.9	252.1	246.4	245.7	245.1
117.5°	288.2	290.0	283.9	283.2	282.1
120°	312.3	316.0	308.5	307.8	307.2
122.5°	336.9	340.1	333.0	331.9	331.7
125°	373.7	378.1	370.5	369.3	369.9
127.5°	410.6	415.1	408.0	405.5	406.9
130°	435.2	440.2	432.6	430.1	432.0
132.5°	460.3	465.3	457.7	455.2	458.1
135°	497.9	502.9	494.7	491.0	496.0
137.5°	534.6	539.0	530.0	527.4	532.7
140°	558.7	563.1	553.6	550.5	556.8
142.5°	582.2	587.1	576.6	573.5	580.3
145°	616.9	621.9	611.8	608.7	614.4
147.5°	650.2	655.3	645.1	641.5	647.2
150°	670.7	676.3	665.5	662.5	668.7
152.5°	690.6	696.8	685.5	682.0	689.7
155°	719.9	726.2	714.2	711.2	718.7
157.5°	746.3	752.1	741.2	738.1	744.6
160°	762.2	768.4	757.1	754.0	761.5
162.5°	776.0	782.3	771.9	767.9	775.4
165°	794.8	801.7	791.0	786.7	794.8
167.5°	810.6	817.9	806.6	802.7	810.8
170°	819.8	826.7	815.3	810.4	818.5
172.5°	825.9	832.8	821.4	816.4	822.1
175°	832.6	840.1	828.7	823.7	826.8
177.5°	835.5	841.5	832.4	828.0	835.0
180°	834.5	834.5	834.5	834.5	834.5



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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	17.54	18.49	18.41	19.37	20.49	16.46	17.41	17.33	18.30	19.41
	3H	19.21	20.06	20.09	20.96	22.10	17.88	18.73	18.76	19.63	20.77
	4H	19.85	20.65	20.74	21.55	22.71	18.40	19.21	19.30	20.11	21.26
	6H	20.24	20.98	21.14	21.89	23.05	18.73	19.47	19.63	20.37	21.54
	8H	20.38	21.08	21.29	22.01	23.17	18.85	19.56	19.77	20.48	21.65
	12H	20.45	21.12	21.37	22.04	23.23	18.93	19.60	19.85	20.52	21.71
4H	2H	17.96	18.76	18.86	19.66	20.82	17.10	17.90	18.00	18.80	19.96
	3H	19.86	20.52	20.77	21.46	22.63	18.73	19.40	19.64	20.33	21.50
	4H	20.61	21.22	21.53	22.15	23.34	19.34	19.95	20.26	20.88	22.07
	6H	21.12	21.64	22.05	22.59	23.79	19.75	20.28	20.69	21.23	22.43
	8H	21.31	21.80	22.25	22.75	23.96	19.93	20.42	20.86	21.36	22.57
	12H	21.41	21.85	22.37	22.82	24.03	20.04	20.48	20.99	21.44	22.66
8H	4H	20.74	21.24	21.68	22.18	23.39	19.61	20.10	20.54	21.04	22.25
	6H	21.37	21.77	22.33	22.76	23.97	20.14	20.54	21.10	21.53	22.74
	8H	21.64	22.00	22.62	22.98	24.21	20.39	20.75	21.36	21.73	22.95
	12H	21.81	22.13	22.79	23.10	24.37	20.57	20.89	21.55	21.86	23.13
12H	4H	20.72	21.16	21.68	22.13	23.34	19.61	20.05	20.57	21.02	22.23
	6H	21.38	21.74	22.36	22.72	23.95	20.20	20.55	21.17	21.53	22.76
	8H	21.69	22.00	22.66	22.97	24.25	20.48	20.80	21.46	21.77	23.04