

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: P1439610

Luminaire Tested: CB3-D-125U-085D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439610
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-125U-085D-927-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

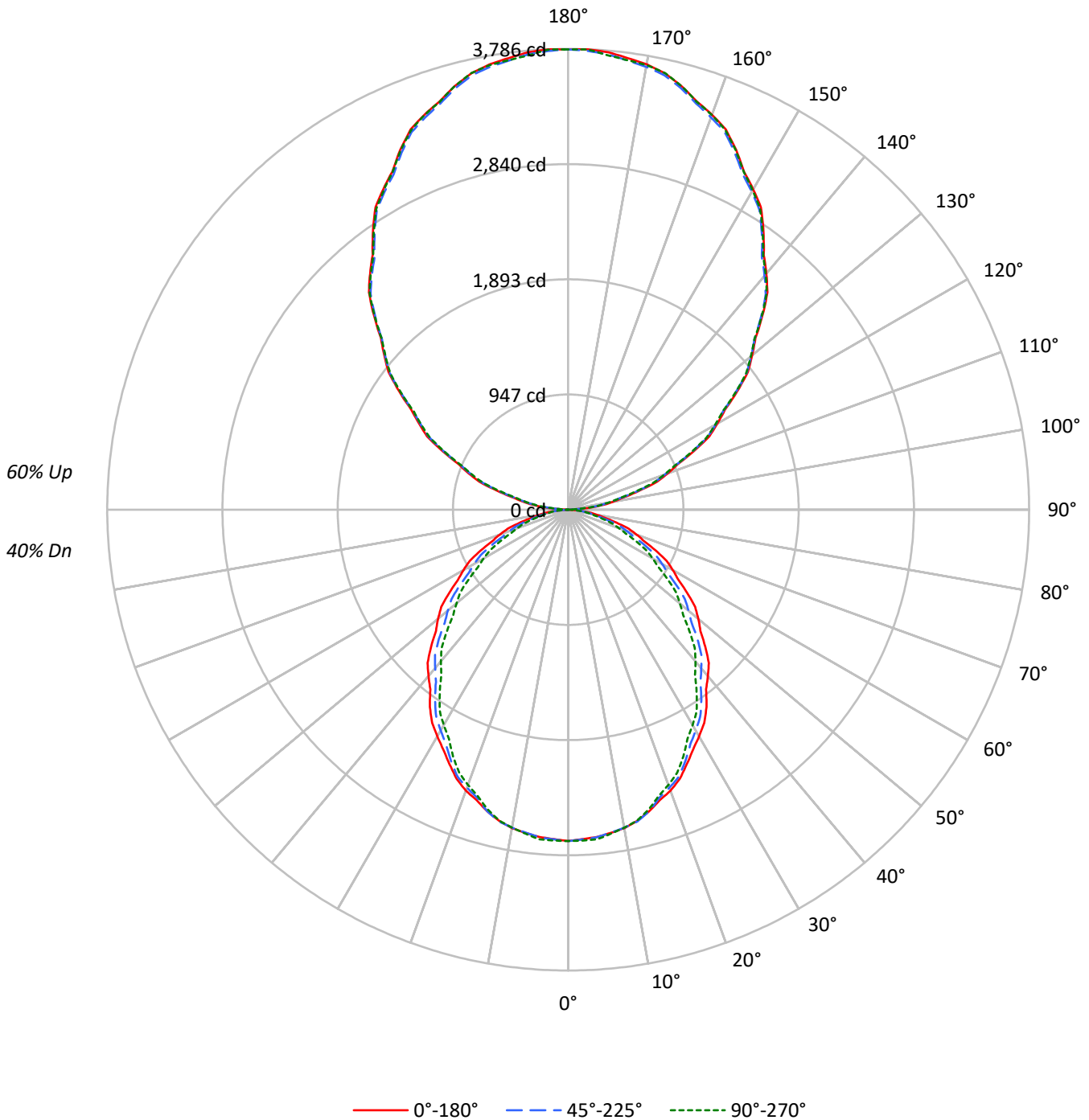
Lumens per Lamp: N/A
Luminaire Lumens: 16258.4 lumens
Efficiency: N/A
Efficacy: 112.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 144.6
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										
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	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47	40																				
1	96	92	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	34																				
2	87	80	74	69	79	73	68	64	60	56	53	48	46	43	37	35	34	29																				
3	80	70	63	58	72	64	58	53	53	49	45	43	39	37	33	31	29	24																				
4	73	62	55	49	66	57	50	45	47	42	38	38	34	32	29	27	25	21																				
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	27	24	22	18																				
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	21	19	16																				
7	57	45	37	32	52	41	34	30	34	29	25	28	24	21	22	19	17	14																				
8	53	41	33	28	48	38	31	26	31	26	23	26	22	19	20	18	15	13																				
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12																				
10	46	34	27	22	42	31	25	21	27	22	18	22	18	15	17	15	13	11																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15400	15400	15400
5°	15327	15338	15442
10°	15260	15238	15238
15°	15027	15027	14937
20°	14784	14632	14487
25°	14394	14213	13960
30°	14042	13676	13348
35°	13672	13165	12698
40°	13179	12551	12009
45°	12732	12006	11264
50°	12272	11354	10539
55°	11772	10724	9848
60°	11232	10073	9069
65°	10599	9333	8247
70°	9872	8466	7347
75°	8949	7430	6542
80°	7803	6229	5789
85°	6017	5264	5264

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°	256.9	1.6
10°-20°	721.6	4.4
20°-30°	1047.6	6.4
30°-40°	1190.6	7.3
40°-50°	1155.8	7.1
50°-60°	975.9	6.0
60°-70°	694.3	4.3
70°-80°	371.0	2.3
80°-90°	98.0	0.6
90°-100°	159.8	1.0
100°-110°	625.2	3.8
110°-120°	1114.4	6.9
120°-130°	1508.0	9.3
130°-140°	1733.7	10.7
140°-150°	1739.7	10.7
150°-160°	1496.1	9.2
160°-170°	1012.7	6.2
170°-180°	357.2	2.2
0°-30°	2026.0	12.5
0°-40°	3216.7	19.8
0°-60°	5348.4	32.9
0°-90°	6511.6	40.1
90°-120°	1899.4	11.7
90°-150°	6880.8	42.3
90°-180°	9747.0	60.0
0°-180°	16258.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2722	2722	2722	2722	2722	
5°	2699	2733	2701	2698	2719	256
15°	2566	2588	2566	2550	2550	723
25°	2306	2314	2277	2246	2236	1063
35°	1980	1961	1906	1850	1839	1234
45°	1591	1567	1501	1429	1408	1227
55°	1194	1161	1087	1017	998	1067
65°	792	764	697	635	616	784
75°	409	387	340	305	299	436
85°	93	85	81	81	81	110
90°	0	0	0	0	0	10
95°	154	140	125	116	119	175
105°	606	603	583	574	568	647
115°	1137	1142	1116	1113	1111	1127
125°	1694	1713	1679	1673	1676	1514
135°	2256	2279	2242	2225	2247	1739
145°	2795	2818	2772	2758	2784	1747
155°	3262	3291	3236	3222	3256	1500
165°	3602	3633	3584	3565	3602	1015
175°	3773	3807	3755	3732	3746	358
180°	3781	3781	3781	3781	3781	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2722.1	2722.1	2722.1	2722.1	2722.1
2.5°	2708.2	2735.4	2711.3	2714.6	2720.6
5°	2699.0	2733.0	2700.9	2697.5	2719.2
7.5°	2678.1	2709.1	2675.8	2668.1	2685.1
10°	2656.5	2690.5	2652.6	2643.2	2652.6
12.5°	2617.9	2653.4	2623.3	2607.6	2615.5
15°	2565.7	2588.4	2565.7	2550.3	2550.3
17.5°	2502.0	2525.8	2483.0	2472.1	2467.4
20°	2455.6	2476.4	2430.5	2414.9	2406.4
22.5°	2393.8	2413.1	2374.9	2346.1	2338.4
25°	2305.9	2313.5	2277.0	2245.9	2236.4
27.5°	2220.6	2222.5	2172.3	2134.6	2122.1
30°	2149.5	2151.4	2093.5	2052.7	2043.3
32.5°	2078.4	2072.8	2017.8	1969.4	1963.0
35°	1979.6	1960.7	1906.2	1849.9	1838.6
37.5°	1860.2	1848.9	1784.5	1728.1	1711.1
40°	1784.5	1765.6	1699.5	1643.1	1626.1
42.5°	1708.8	1686.9	1619.2	1556.6	1538.1
45°	1591.4	1566.8	1500.6	1428.7	1407.9
47.5°	1473.2	1446.4	1373.5	1303.9	1280.8
50°	1394.4	1366.1	1290.1	1221.9	1197.4
52.5°	1314.0	1284.2	1208.2	1138.6	1118.6
55°	1193.5	1161.4	1087.3	1017.4	998.5
57.5°	1073.0	1041.3	967.6	901.4	878.7
60°	992.7	962.5	890.3	824.1	801.5
62.5°	910.8	882.1	811.5	746.9	725.8
65°	791.8	763.5	697.2	635.0	616.1
67.5°	674.0	649.8	584.4	527.3	512.2
70°	596.8	574.1	511.8	459.3	444.2
72.5°	522.6	498.4	439.2	394.5	383.9
75°	409.4	386.8	339.9	305.0	299.3
77.5°	305.9	287.4	246.8	227.0	224.0
80°	239.5	222.5	191.2	177.7	177.7
82.5°	177.7	163.7	143.3	137.5	137.5
85°	92.7	85.1	81.1	81.1	81.1
87.5°	27.8	27.8	26.3	24.7	24.7
90°	0.0	0.0	0.0	0.0	0.0
92.5°	41.8	37.2	23.2	18.6	18.6
95°	153.7	139.5	124.7	116.1	118.9
97.5°	283.6	270.0	251.7	243.1	245.3
100°	374.1	362.7	342.2	333.5	333.5
102.5°	462.2	455.4	435.0	426.3	428.6
105°	606.0	603.2	582.9	574.0	568.4
107.5°	765.0	759.9	737.1	736.4	731.3
110°	867.0	864.2	843.8	840.9	838.0

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	971.4	975.4	952.9	949.9	947.1
115°	1136.7	1142.4	1116.4	1113.4	1110.6
117.5°	1306.1	1314.0	1286.3	1283.3	1278.2
120°	1415.1	1432.1	1397.7	1394.7	1391.9
122.5°	1526.4	1541.2	1509.0	1503.8	1503.2
125°	1693.5	1713.3	1679.0	1673.2	1676.1
127.5°	1860.5	1880.9	1848.9	1837.4	1843.7
130°	1971.8	1994.5	1960.2	1948.8	1957.3
132.5°	2085.5	2108.2	2073.9	2062.6	2075.6
135°	2256.0	2278.7	2241.5	2224.6	2247.3
137.5°	2422.5	2442.3	2401.6	2389.9	2413.8
140°	2531.5	2551.3	2508.3	2494.4	2522.8
142.5°	2638.2	2660.3	2612.7	2598.9	2629.5
145°	2795.4	2818.1	2772.2	2758.3	2783.8
147.5°	2946.2	2969.4	2923.0	2906.7	2932.8
150°	3038.9	3064.5	3015.8	3001.9	3030.2
152.5°	3129.4	3157.2	3106.2	3090.2	3125.4
155°	3262.2	3290.6	3236.1	3222.4	3256.4
157.5°	3381.7	3407.8	3358.5	3344.7	3374.2
160°	3453.6	3482.0	3430.4	3416.7	3450.7
162.5°	3516.2	3544.6	3497.7	3479.3	3513.3
165°	3601.5	3632.7	3584.1	3564.6	3601.5
167.5°	3672.8	3706.3	3654.9	3637.1	3674.0
170°	3714.6	3745.8	3694.3	3671.9	3708.8
172.5°	3742.4	3773.6	3722.1	3699.5	3725.0
175°	3772.6	3806.6	3755.2	3732.3	3746.5
177.5°	3785.9	3813.1	3772.0	3751.9	3783.6
180°	3781.3	3781.3	3781.3	3781.3	3781.3



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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	15.65	16.42	16.69	17.46	18.87	14.57	15.34	15.61	16.38	17.79
	3H	17.31	18.00	18.36	19.05	20.48	15.98	16.66	17.03	17.72	19.14
	4H	17.93	18.59	18.99	19.64	21.08	16.49	17.14	17.55	18.20	19.63
	6H	18.31	18.91	19.38	19.97	21.42	16.80	17.40	17.87	18.46	19.91
	8H	18.45	19.02	19.52	20.10	21.54	16.92	17.49	18.00	18.57	20.01
	12H	18.51	19.06	19.59	20.12	21.59	16.99	17.54	18.07	18.61	20.07
4H	2H	16.04	16.70	17.11	17.75	19.19	15.18	15.84	16.25	16.89	18.33
	3H	17.93	18.47	19.00	19.55	21.00	16.80	17.34	17.87	18.42	19.87
	4H	18.67	19.17	19.75	20.24	21.71	17.40	17.90	18.48	18.97	20.44
	6H	19.17	19.60	20.26	20.69	22.15	17.81	18.23	18.90	19.33	20.79
	8H	19.36	19.76	20.45	20.85	22.32	17.97	18.37	19.06	19.46	20.94
	12H	19.45	19.81	20.56	20.91	22.40	18.07	18.44	19.18	19.54	21.02
8H	4H	18.79	19.19	19.88	20.28	21.76	17.65	18.05	18.74	19.14	20.62
	6H	19.41	19.74	20.52	20.87	22.34	18.18	18.51	19.29	19.64	21.11
	8H	19.68	19.97	20.80	21.08	22.58	18.43	18.72	19.55	19.83	21.33
	12H	19.84	20.10	20.97	21.21	22.74	18.60	18.86	19.72	19.96	21.50
12H	4H	18.76	19.12	19.87	20.23	21.71	17.65	18.01	18.76	19.12	20.60
	6H	19.42	19.71	20.54	20.83	22.32	18.23	18.52	19.35	19.64	21.13
	8H	19.72	19.97	20.84	21.08	22.61	18.51	18.77	19.63	19.88	21.41