

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: P1439590

Luminaire Tested: CB3-D-085U-120D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439590
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-120D-935-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

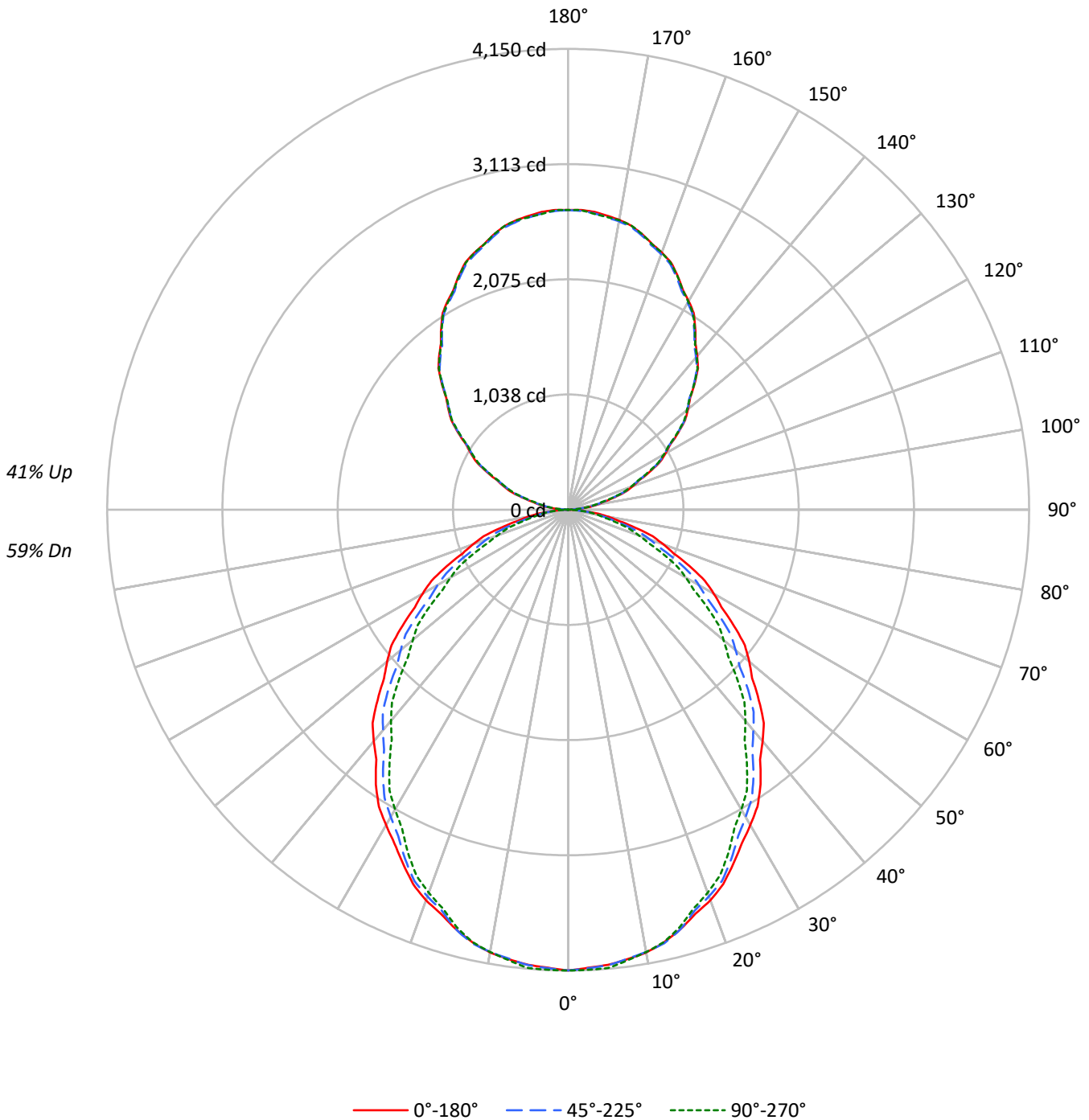
Lumens per Lamp: N/A
Luminaire Lumens: 16887.3 lumens
Efficiency: N/A
Efficacy: 126.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 133.1
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	109	109	109	109	102	102	102	102	88	88	88	76	76	76	64	64	64	59																				
1	100	96	92	88	93	89	86	83	78	75	73	67	65	64	57	56	55	50																				
2	91	84	78	73	85	78	73	69	68	64	61	59	56	53	51	48	46	42																				
3	83	74	67	61	78	69	63	58	61	55	51	52	49	45	45	42	40	36																				
4	76	66	58	52	71	62	54	49	54	48	44	47	43	39	40	37	34	31																				
5	70	59	50	44	65	55	48	42	48	43	38	42	38	34	36	33	30	27																				
6	65	53	45	39	60	50	42	37	44	38	33	38	34	30	33	29	27	24																				
7	60	48	40	34	56	45	38	33	40	34	30	35	30	27	30	27	24	21																				
8	56	43	36	30	52	41	34	29	36	31	26	32	27	24	28	24	21	19																				
9	52	40	32	27	49	38	31	26	33	28	24	29	25	21	26	22	19	17																				
10	49	36	29	24	45	35	28	23	31	25	21	27	23	20	24	20	18	16																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23477	23477	23477
5°	23366	23383	23528
10°	23264	23230	23230
15°	22908	22908	22770
20°	22537	22306	22098
25°	21956	21680	21294
30°	21419	20861	20360
35°	20854	20081	19369
40°	20102	19145	18319
45°	19421	18313	17182
50°	18719	17320	16075
55°	17957	16358	15022
60°	17133	15366	13833
65°	16168	14236	12579
70°	15057	12913	11208
75°	13650	11333	9980
80°	11901	9500	8829
85°	9178	8029	8029

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 19421 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	391.6	2.3
10°-20°	1100.1	6.5
20°-30°	1597.7	9.5
30°-40°	1816.2	10.8
40°-50°	1763.1	10.4
50°-60°	1488.5	8.8
60°-70°	1059.1	6.3
70°-80°	565.9	3.4
80°-90°	149.5	0.9
90°-100°	114.0	0.7
100°-110°	446.2	2.6
110°-120°	795.3	4.7
120°-130°	1076.2	6.4
130°-140°	1237.3	7.3
140°-150°	1241.5	7.4
150°-160°	1067.7	6.3
160°-170°	722.7	4.3
170°-180°	254.9	1.5
0°-30°	3089.3	18.3
0°-40°	4905.5	29.0
0°-60°	8157.1	48.3
0°-90°	9931.5	58.8
90°-120°	1355.5	8.0
90°-150°	4910.5	29.1
90°-180°	6956.0	41.2
0°-180°	16887.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4150	4150	4150	4150	4150	
5°	4115	4166	4118	4112	4143	391
15°	3911	3946	3911	3888	3888	1102
25°	3517	3529	3473	3426	3411	1621
35°	3020	2991	2908	2822	2804	1882
45°	2427	2390	2289	2179	2148	1872
55°	1821	1772	1658	1552	1523	1628
65°	1208	1165	1064	969	940	1196
75°	624	590	518	465	457	666
85°	141	130	124	124	124	168
90°	0	0	0	0	0	10
95°	110	100	89	83	85	125
105°	432	430	416	410	406	462
115°	811	815	797	795	793	804
125°	1208	1223	1198	1194	1196	1081
135°	1610	1626	1600	1588	1604	1241
145°	1995	2011	1978	1968	1987	1247
155°	2328	2348	2310	2300	2324	1071
165°	2570	2592	2558	2544	2570	724
175°	2692	2717	2680	2664	2674	255
180°	2698	2698	2698	2698	2698	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4149.9	4149.9	4149.9	4149.9	4149.9
2.5°	4128.7	4170.2	4133.4	4138.3	4147.6
5°	4114.6	4166.4	4117.5	4112.3	4143.1
7.5°	4082.7	4130.0	4079.2	4067.4	4093.4
10°	4049.8	4101.6	4043.9	4029.5	4043.9
12.5°	3990.8	4045.0	3999.1	3975.2	3987.3
15°	3911.3	3945.9	3911.3	3887.7	3887.7
17.5°	3814.1	3850.4	3785.2	3768.6	3761.8
20°	3743.4	3775.1	3705.1	3681.3	3670.6
22.5°	3649.1	3678.5	3620.2	3578.3	3566.9
25°	3517.4	3528.9	3473.2	3425.8	3411.4
27.5°	3387.2	3390.1	3313.6	3256.0	3237.0
30°	3278.8	3281.7	3193.4	3131.2	3116.8
32.5°	3170.4	3161.7	3077.9	3004.0	2994.2
35°	3019.6	2990.8	2907.6	2821.8	2804.5
37.5°	2837.5	2820.2	2722.0	2636.0	2610.1
40°	2722.0	2693.2	2592.4	2506.4	2480.5
42.5°	2606.5	2573.1	2469.9	2374.4	2346.1
45°	2427.4	2390.0	2289.0	2179.3	2147.6
47.5°	2247.1	2206.2	2095.1	1988.9	1953.7
50°	2126.9	2083.7	1967.9	1863.9	1826.5
52.5°	2004.4	1958.9	1843.0	1736.8	1706.3
55°	1820.6	1771.6	1658.5	1551.8	1523.0
57.5°	1636.7	1588.4	1475.9	1375.0	1340.4
60°	1514.2	1468.1	1358.1	1257.1	1222.6
62.5°	1389.3	1345.5	1237.9	1139.3	1107.1
65°	1207.8	1164.6	1063.5	968.6	939.7
67.5°	1028.1	991.3	891.4	804.3	781.3
70°	910.3	875.7	780.7	700.6	677.6
72.5°	797.2	760.3	669.9	601.8	585.6
75°	624.5	590.0	518.5	465.3	456.6
77.5°	466.6	438.4	376.5	346.3	341.7
80°	365.3	339.4	291.6	271.0	271.0
82.5°	271.0	249.7	218.6	209.7	209.7
85°	141.4	129.9	123.7	123.7	123.7
87.5°	42.4	42.4	40.1	37.7	37.7
90°	0.0	0.0	0.0	0.0	0.0
92.5°	29.8	26.6	16.6	13.2	13.2
95°	109.7	99.6	89.0	82.8	84.8
97.5°	202.4	192.7	179.6	173.5	175.1
100°	267.0	258.9	244.2	238.0	238.0
102.5°	329.9	325.0	310.4	304.2	305.9
105°	432.5	430.5	416.0	409.7	405.6
107.5°	545.9	542.3	526.0	525.5	521.9
110°	618.8	616.7	602.2	600.1	598.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	693.3	696.1	680.0	677.9	675.9
115°	811.2	815.3	796.7	794.6	792.6
117.5°	932.1	937.7	918.0	915.8	912.2
120°	1009.9	1022.0	997.5	995.3	993.3
122.5°	1089.3	1099.9	1076.9	1073.2	1072.8
125°	1208.5	1222.7	1198.2	1194.1	1196.1
127.5°	1327.7	1342.3	1319.5	1311.3	1315.7
130°	1407.2	1423.4	1398.9	1390.8	1396.9
132.5°	1488.3	1504.5	1480.0	1472.0	1481.3
135°	1610.0	1626.2	1599.7	1587.6	1603.8
137.5°	1728.8	1742.9	1713.9	1705.6	1722.6
140°	1806.6	1820.8	1790.0	1780.2	1800.4
142.5°	1882.7	1898.5	1864.5	1854.7	1876.5
145°	1994.9	2011.1	1978.4	1968.4	1986.6
147.5°	2102.5	2119.1	2086.0	2074.4	2093.0
150°	2168.7	2187.0	2152.2	2142.3	2162.5
152.5°	2233.3	2253.1	2216.8	2205.3	2230.4
155°	2328.1	2348.3	2309.5	2299.7	2323.9
157.5°	2413.3	2432.0	2396.8	2386.9	2408.0
160°	2464.7	2484.9	2448.1	2438.3	2462.6
162.5°	2509.4	2529.6	2496.1	2483.0	2507.3
165°	2570.2	2592.5	2557.8	2543.9	2570.2
167.5°	2621.1	2645.0	2608.3	2595.6	2621.9
170°	2650.9	2673.2	2636.4	2620.5	2646.8
172.5°	2670.8	2693.0	2656.3	2640.2	2658.4
175°	2692.3	2716.6	2679.9	2663.6	2673.7
177.5°	2701.8	2721.2	2691.9	2677.5	2700.2
180°	2698.5	2698.5	2698.5	2698.5	2698.5



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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	18.89	19.82	19.77	20.72	21.86	17.81	18.75	18.69	19.64	20.78
	3H	20.56	21.40	21.45	22.31	23.47	19.23	20.07	20.12	20.98	22.14
	4H	21.20	21.99	22.10	22.90	24.08	19.75	20.54	20.66	21.46	22.63
	6H	21.59	22.31	22.50	23.23	24.42	20.07	20.80	20.99	21.72	22.91
	8H	21.72	22.42	22.65	23.36	24.54	20.20	20.89	21.13	21.83	23.02
	12H	21.79	22.45	22.73	23.39	24.60	20.28	20.94	21.21	21.87	23.08
4H	2H	19.31	20.10	20.22	21.01	22.19	18.45	19.24	19.36	20.15	21.33
	3H	21.20	21.86	22.13	22.81	24.00	20.07	20.73	21.00	21.68	22.87
	4H	21.96	22.56	22.89	23.50	24.71	20.68	21.28	21.62	22.22	23.44
	6H	22.46	22.98	23.41	23.94	25.16	21.10	21.62	22.05	22.58	23.80
	8H	22.65	23.14	23.60	24.10	25.33	21.27	21.75	22.22	22.71	23.94
	12H	22.76	23.19	23.72	24.17	25.40	21.38	21.82	22.35	22.79	24.03
8H	4H	22.09	22.57	23.04	23.53	24.76	20.95	21.43	21.90	22.39	23.62
	6H	22.71	23.11	23.69	24.11	25.34	21.48	21.88	22.46	22.88	24.11
	8H	22.99	23.34	23.97	24.33	25.58	21.73	22.09	22.72	23.08	24.32
	12H	23.16	23.47	24.14	24.45	25.74	21.91	22.23	22.90	23.21	24.50
12H	4H	22.07	22.50	23.04	23.48	24.71	20.96	21.39	21.93	22.37	23.60
	6H	22.73	23.08	23.71	24.07	25.32	21.54	21.89	22.52	22.88	24.13
	8H	23.03	23.34	24.02	24.32	25.62	21.82	22.14	22.81	23.12	24.41