

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: P1439586

Luminaire Tested: CB3-D-085U-120D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439586
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-927-1D-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: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

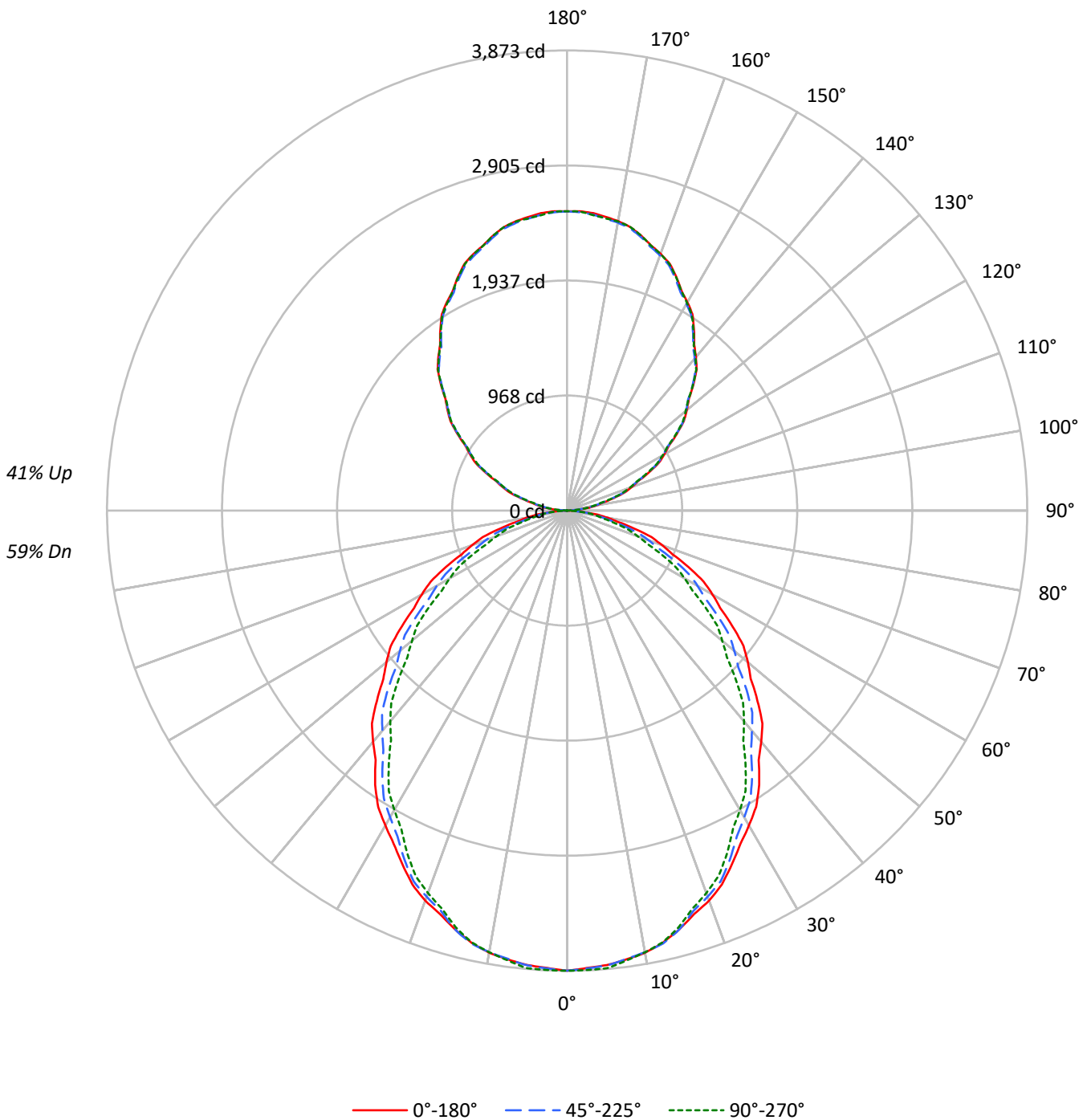
Lumens per Lamp: N/A
Luminaire Lumens: 15760.1 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 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				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	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°	21910	21910	21910
5°	21806	21822	21958
10°	21711	21679	21679
15°	21379	21379	21250
20°	21032	20817	20623
25°	20490	20233	19873
30°	19989	19468	19001
35°	19462	18740	18076
40°	18760	17867	17096
45°	18125	17091	16035
50°	17470	16163	15002
55°	16759	15266	14020
60°	15989	14340	12910
65°	15089	13286	11740
70°	14051	12052	10459
75°	12739	10577	9314
80°	11106	8868	8239
85°	8568	7497	7497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 18125 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	365.4	2.3
10°-20°	1026.6	6.5
20°-30°	1491.0	9.5
30°-40°	1694.9	10.8
40°-50°	1645.4	10.4
50°-60°	1389.2	8.8
60°-70°	988.4	6.3
70°-80°	528.1	3.4
80°-90°	139.5	0.9
90°-100°	106.4	0.7
100°-110°	416.4	2.6
110°-120°	742.2	4.7
120°-130°	1004.4	6.4
130°-140°	1154.7	7.3
140°-150°	1158.7	7.4
150°-160°	996.4	6.3
160°-170°	674.5	4.3
170°-180°	237.9	1.5
0°-30°	2883.1	18.3
0°-40°	4578.0	29.0
0°-60°	7612.6	48.3
0°-90°	9268.6	58.8
90°-120°	1265.0	8.0
90°-150°	4582.7	29.1
90°-180°	6491.0	41.2
0°-180°	15760.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3873	3873	3873	3873	3873	
5°	3840	3888	3843	3838	3867	364
15°	3650	3682	3650	3628	3628	1028
25°	3283	3293	3241	3197	3184	1513
35°	2818	2791	2714	2633	2617	1756
45°	2265	2230	2136	2034	2004	1747
55°	1699	1653	1548	1448	1421	1519
65°	1127	1087	992	904	877	1116
75°	583	551	484	434	426	621
85°	132	121	116	116	116	156
90°	0	0	0	0	0	9
95°	102	93	83	77	79	117
105°	404	402	388	382	378	431
115°	757	761	744	742	740	750
125°	1128	1141	1118	1114	1116	1008
135°	1502	1518	1493	1482	1497	1158
145°	1862	1877	1846	1837	1854	1163
155°	2173	2192	2155	2146	2169	999
165°	2399	2419	2387	2374	2399	676
175°	2513	2535	2501	2486	2495	238
180°	2518	2518	2518	2518	2518	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3872.9	3872.9	3872.9	3872.9	3872.9
2.5°	3853.1	3891.8	3857.5	3862.1	3870.7
5°	3839.9	3888.3	3842.7	3837.8	3866.6
7.5°	3810.2	3854.3	3806.9	3795.9	3820.1
10°	3779.4	3827.8	3773.9	3760.5	3773.9
12.5°	3724.5	3775.0	3732.2	3709.9	3721.2
15°	3650.2	3682.5	3650.2	3628.2	3628.2
17.5°	3559.5	3593.4	3532.6	3517.0	3510.7
20°	3493.5	3523.1	3457.8	3435.6	3425.6
22.5°	3405.5	3433.0	3378.6	3339.4	3328.8
25°	3282.6	3293.4	3241.4	3197.1	3183.7
27.5°	3161.1	3163.8	3092.4	3038.6	3020.9
30°	3059.9	3062.6	2980.2	2922.2	2908.7
32.5°	2958.8	2950.7	2872.4	2803.5	2794.4
35°	2818.0	2791.1	2713.5	2633.4	2617.3
37.5°	2648.1	2632.0	2540.3	2460.1	2435.9
40°	2540.3	2513.5	2419.4	2339.1	2314.9
42.5°	2432.6	2401.4	2305.0	2215.9	2189.5
45°	2265.4	2230.5	2136.2	2033.8	2004.2
47.5°	2097.1	2059.0	1955.3	1856.1	1823.3
50°	1985.0	1944.7	1836.5	1739.5	1704.6
52.5°	1870.6	1828.1	1719.9	1620.9	1592.4
55°	1699.1	1653.4	1547.8	1448.3	1421.4
57.5°	1527.5	1482.3	1377.4	1283.2	1250.9
60°	1413.1	1370.1	1267.4	1173.2	1141.0
62.5°	1296.6	1255.7	1155.2	1063.3	1033.2
65°	1127.2	1086.9	992.5	903.9	877.0
67.5°	959.5	925.1	831.9	750.6	729.1
70°	849.5	817.3	728.6	653.8	632.3
72.5°	744.0	709.5	625.2	561.6	546.6
75°	582.8	550.6	483.9	434.2	426.1
77.5°	435.5	409.1	351.4	323.2	318.9
80°	340.9	316.7	272.2	252.9	252.9
82.5°	252.9	233.0	204.0	195.7	195.7
85°	132.0	121.2	115.5	115.5	115.5
87.5°	39.6	39.6	37.4	35.2	35.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	27.8	24.8	15.5	12.4	12.4
95°	102.4	92.9	83.0	77.3	79.2
97.5°	188.9	179.8	167.6	161.9	163.4
100°	249.1	241.6	227.9	222.1	222.1
102.5°	307.8	303.3	289.7	283.9	285.4
105°	403.6	401.7	388.2	382.3	378.5
107.5°	509.5	506.1	490.9	490.5	487.1
110°	577.5	575.6	562.0	560.0	558.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	647.0	649.6	634.6	632.6	630.8
115°	757.1	760.8	743.5	741.6	739.7
117.5°	869.8	875.1	856.7	854.7	851.3
120°	942.5	953.8	930.9	928.9	927.0
122.5°	1016.6	1026.4	1005.0	1001.6	1001.2
125°	1127.9	1141.1	1118.2	1114.4	1116.3
127.5°	1239.1	1252.7	1231.4	1223.8	1227.9
130°	1313.3	1328.4	1305.5	1297.9	1303.6
132.5°	1389.0	1404.1	1381.3	1373.7	1382.4
135°	1502.5	1517.6	1492.9	1481.6	1496.7
137.5°	1613.4	1626.6	1599.5	1591.7	1607.6
140°	1686.0	1699.2	1670.6	1661.3	1680.2
142.5°	1757.1	1771.8	1740.1	1730.9	1751.3
145°	1861.8	1876.9	1846.3	1837.0	1854.0
147.5°	1962.2	1977.7	1946.7	1935.9	1953.3
150°	2024.0	2041.0	2008.5	1999.3	2018.2
152.5°	2084.2	2102.7	2068.8	2058.1	2081.5
155°	2172.7	2191.6	2155.3	2146.2	2168.8
157.5°	2252.3	2269.6	2236.8	2227.6	2247.2
160°	2300.2	2319.0	2284.7	2275.6	2298.2
162.5°	2341.9	2360.8	2329.5	2317.3	2339.9
165°	2398.6	2419.4	2387.1	2374.1	2398.6
167.5°	2446.2	2468.4	2434.2	2422.4	2446.9
170°	2474.0	2494.7	2460.4	2445.6	2470.1
172.5°	2492.5	2513.3	2479.0	2463.9	2480.9
175°	2512.6	2535.3	2501.0	2485.8	2495.2
177.5°	2521.5	2539.6	2512.2	2498.8	2519.9
180°	2518.4	2518.4	2518.4	2518.4	2518.4



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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	18.65	19.58	19.53	20.48	21.62	17.57	18.51	18.45	19.40	20.54
	3H	20.32	21.16	21.21	22.07	23.23	18.99	19.83	19.88	20.74	21.90
	4H	20.96	21.75	21.86	22.66	23.84	19.51	20.30	20.42	21.22	22.39
	6H	21.34	22.07	22.26	22.99	24.18	19.83	20.56	20.75	21.48	22.67
	8H	21.48	22.18	22.41	23.12	24.30	19.96	20.65	20.89	21.59	22.78
	12H	21.55	22.21	22.49	23.15	24.36	20.04	20.70	20.97	21.63	22.84
4H	2H	19.07	19.86	19.98	20.77	21.95	18.21	19.00	19.12	19.91	21.09
	3H	20.96	21.62	21.89	22.57	23.76	19.83	20.49	20.76	21.44	22.63
	4H	21.71	22.32	22.65	23.26	24.47	20.44	21.04	21.38	21.98	23.20
	6H	22.22	22.74	23.17	23.70	24.92	20.86	21.38	21.81	22.34	23.56
	8H	22.41	22.90	23.36	23.86	25.09	21.03	21.51	21.98	22.47	23.70
	12H	22.51	22.95	23.48	23.93	25.16	21.14	21.58	22.11	22.55	23.79
8H	4H	21.85	22.33	22.80	23.29	24.52	20.71	21.19	21.66	22.15	23.38
	6H	22.47	22.87	23.45	23.87	25.10	21.24	21.64	22.22	22.64	23.87
	8H	22.75	23.10	23.73	24.09	25.34	21.49	21.85	22.48	22.84	24.08
	12H	22.92	23.23	23.90	24.21	25.50	21.67	21.99	22.66	22.97	24.26
12H	4H	21.83	22.26	22.80	23.24	24.47	20.72	21.15	21.69	22.13	23.36
	6H	22.49	22.84	23.47	23.83	25.08	21.30	21.65	22.28	22.64	23.89
	8H	22.79	23.10	23.78	24.08	25.38	21.58	21.90	22.57	22.88	24.17