

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: P1439562

Luminaire Tested: CB3-D-085U-030D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439562
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-030D-927-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 850 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

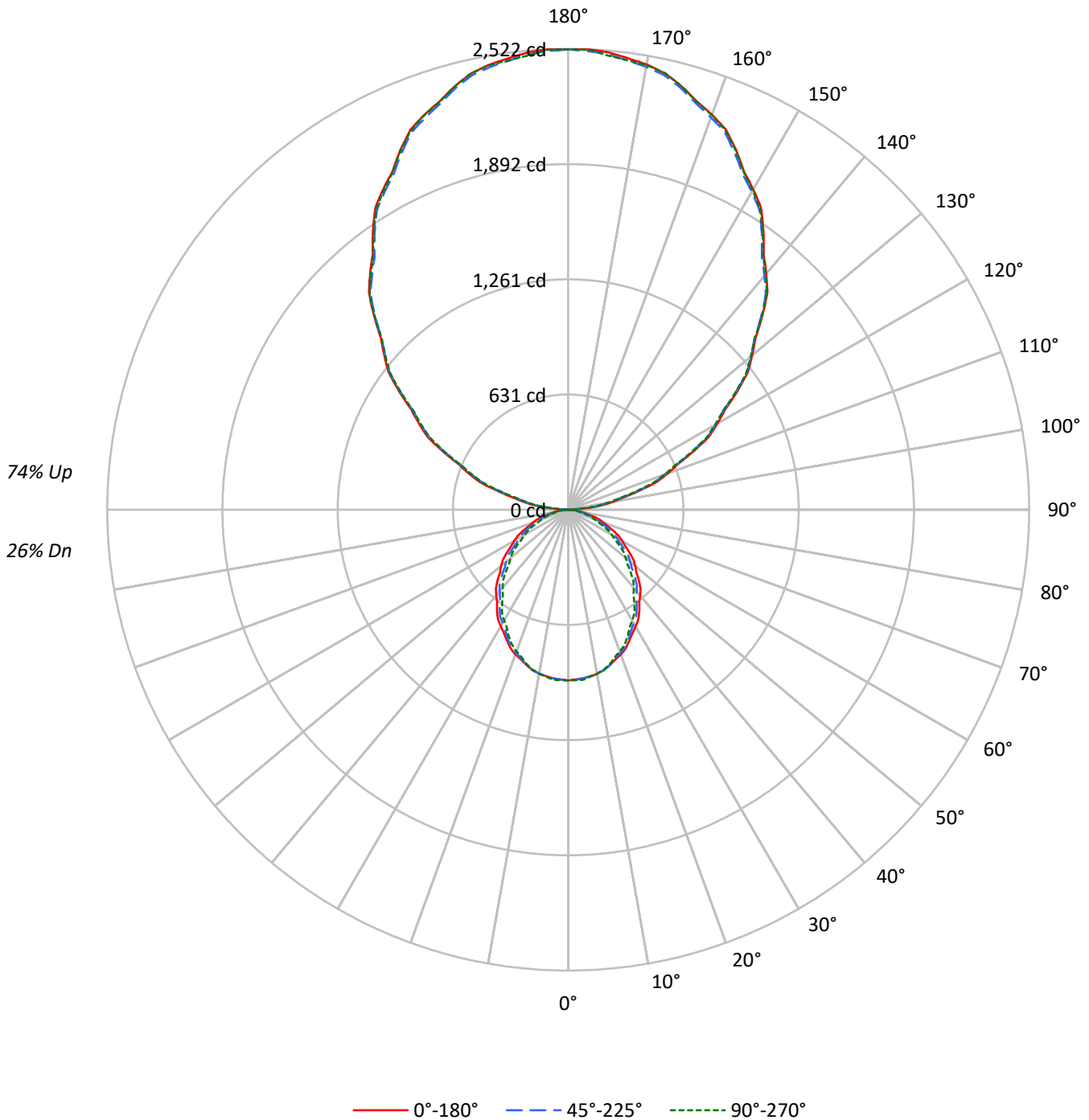
Lumens per Lamp: N/A
Luminaire Lumens: 8725.0 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 73
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				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	101	101	101	101	90	90	90	90	70	70	70	51	51	51	34	34	34	26
1	92	88	85	81	82	79	76	73	61	59	57	45	44	42	30	29	29	22
2	84	77	71	66	75	69	64	60	54	50	47	39	37	36	26	25	24	18
3	77	68	61	55	68	61	55	50	47	43	40	35	32	30	23	22	21	16
4	70	60	52	47	62	54	47	42	42	38	34	31	28	26	21	19	18	14
5	64	53	46	40	57	48	41	36	38	33	29	28	25	22	19	17	16	12
6	59	48	40	34	53	43	36	31	34	29	25	25	22	19	17	15	14	10
7	55	43	35	30	49	39	32	27	30	26	22	23	20	17	16	14	12	9
8	51	39	31	26	45	35	29	24	28	23	20	21	18	15	14	12	11	8
9	47	35	28	23	42	32	26	21	25	21	17	19	16	14	13	11	10	8
10	44	32	25	21	39	29	23	19	23	19	16	18	14	12	12	10	9	7

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5287	5287	5287
5°	5261	5265	5306
10°	5239	5231	5231
15°	5159	5159	5128
20°	5076	5024	4968
25°	4936	4874	4788
30°	4816	4690	4577
35°	4689	4515	4354
40°	4520	4304	4119
45°	4367	4117	3863
50°	4209	3894	3614
55°	4037	3678	3377
60°	3851	3454	3110
65°	3636	3201	2829
70°	3386	2903	2519
75°	3069	2549	2245
80°	2675	2137	1984
85°	2064	1805	1805

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4367 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.2	1.0
10°-20°	247.7	2.8
20°-30°	359.4	4.1
30°-40°	408.3	4.7
40°-50°	396.4	4.5
50°-60°	334.7	3.8
60°-70°	238.1	2.7
70°-80°	127.2	1.5
80°-90°	33.6	0.4
90°-100°	106.4	1.2
100°-110°	416.4	4.8
110°-120°	742.2	8.5
120°-130°	1004.4	11.5
130°-140°	1154.7	13.2
140°-150°	1158.7	13.3
150°-160°	996.4	11.4
160°-170°	674.5	7.7
170°-180°	237.9	2.7
0°-30°	695.3	8.0
0°-40°	1103.6	12.6
0°-60°	1834.6	21.0
0°-90°	2233.6	25.6
90°-120°	1265.0	14.5
90°-150°	4582.7	52.5
90°-180°	6491.0	74.4
0°-180°	8725.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	934	934	934	934	934	
5°	926	938	927	926	934	88
15°	881	889	881	876	876	248
25°	791	793	781	770	767	365
35°	679	672	654	634	630	423
45°	546	537	515	490	483	421
55°	409	398	373	349	342	366
65°	272	262	239	218	211	269
75°	140	133	117	105	103	150
85°	32	29	28	28	28	38
90°	0	0	0	0	0	5
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°	934.5	934.5	934.5	934.5	934.5
2.5°	929.7	939.0	930.8	931.9	933.9
5°	926.5	938.2	927.2	926.1	934.4
7.5°	919.4	930.0	918.6	915.9	921.8
10°	912.0	923.6	910.6	907.4	910.6
12.5°	898.7	910.9	900.6	895.2	897.9
15°	880.8	888.6	880.8	875.5	875.5
17.5°	859.0	867.1	852.5	848.7	846.9
20°	843.1	850.2	834.5	829.1	825.2
22.5°	821.9	828.5	815.4	804.8	801.9
25°	790.8	793.4	780.9	770.2	767.0
27.5°	761.5	762.2	745.0	732.0	727.8
30°	737.2	737.8	718.0	704.0	700.7
32.5°	712.8	710.8	692.0	675.4	673.2
35°	678.9	672.4	653.7	634.4	630.5
37.5°	637.9	634.1	612.0	592.6	586.8
40°	612.0	605.5	582.8	563.5	557.7
42.5°	586.0	578.5	555.3	533.8	527.5
45°	545.8	537.3	514.6	490.0	482.8
47.5°	505.2	496.0	471.0	447.2	439.3
50°	478.2	468.5	442.4	419.1	410.6
52.5°	450.6	440.4	414.3	390.5	383.6
55°	409.3	398.3	372.9	348.9	342.4
57.5°	368.0	357.1	331.8	309.1	301.4
60°	340.4	330.1	305.3	282.6	274.9
62.5°	312.3	302.5	278.3	256.2	248.9
65°	271.6	261.8	239.1	217.8	211.3
67.5°	231.1	222.9	200.4	180.8	175.6
70°	204.7	196.9	175.5	157.5	152.3
72.5°	179.2	170.9	150.6	135.3	131.7
75°	140.4	132.6	116.6	104.6	102.7
77.5°	104.9	98.6	84.6	77.9	76.8
80°	82.1	76.3	65.6	60.9	60.9
82.5°	60.9	56.1	49.1	47.2	47.2
85°	31.8	29.2	27.8	27.8	27.8
87.5°	9.5	9.5	9.0	8.5	8.5
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	10.07	10.74	11.21	11.87	13.45	8.99	9.66	10.13	10.79	12.38
	3H	11.72	12.32	12.87	13.46	15.06	10.39	10.99	11.54	12.13	13.73
	4H	12.34	12.91	13.50	14.05	15.66	10.90	11.47	12.06	12.61	14.21
	6H	12.72	13.24	13.88	14.38	16.00	11.20	11.73	12.37	12.87	14.49
	8H	12.85	13.35	14.02	14.51	16.11	11.32	11.82	12.49	12.98	14.59
	12H	12.91	13.38	14.08	14.53	16.16	11.39	11.87	12.56	13.02	14.65
4H	2H	10.45	11.02	11.62	12.16	13.77	9.59	10.17	10.76	11.31	12.91
	3H	12.32	12.80	13.50	13.97	15.58	11.19	11.67	12.37	12.84	14.45
	4H	13.07	13.50	14.24	14.66	16.29	11.79	12.23	12.97	13.39	15.02
	6H	13.56	13.93	14.74	15.11	16.73	12.19	12.57	13.37	13.75	15.37
	8H	13.74	14.09	14.92	15.26	16.90	12.36	12.71	13.54	13.88	15.52
	12H	13.83	14.15	15.03	15.33	16.97	12.46	12.78	13.65	13.95	15.60
8H	4H	13.18	13.53	14.36	14.70	16.34	12.04	12.39	13.22	13.56	15.20
	6H	13.79	14.08	14.99	15.29	16.93	12.56	12.85	13.76	14.06	15.70
	8H	14.06	14.32	15.27	15.50	17.16	12.81	13.06	14.01	14.25	15.91
	12H	14.22	14.44	15.43	15.63	17.32	12.98	13.20	14.19	14.39	16.07
12H	4H	13.14	13.46	14.34	14.64	16.28	12.03	12.35	13.23	13.53	15.17
	6H	13.81	14.06	15.01	15.25	16.90	12.62	12.87	13.82	14.06	15.71
	8H	14.10	14.32	15.30	15.50	17.19	12.89	13.11	14.10	14.30	15.99