

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: P1439528

Luminaire Tested: CB3-D-030U-120D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439528
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-030U-120D-940-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

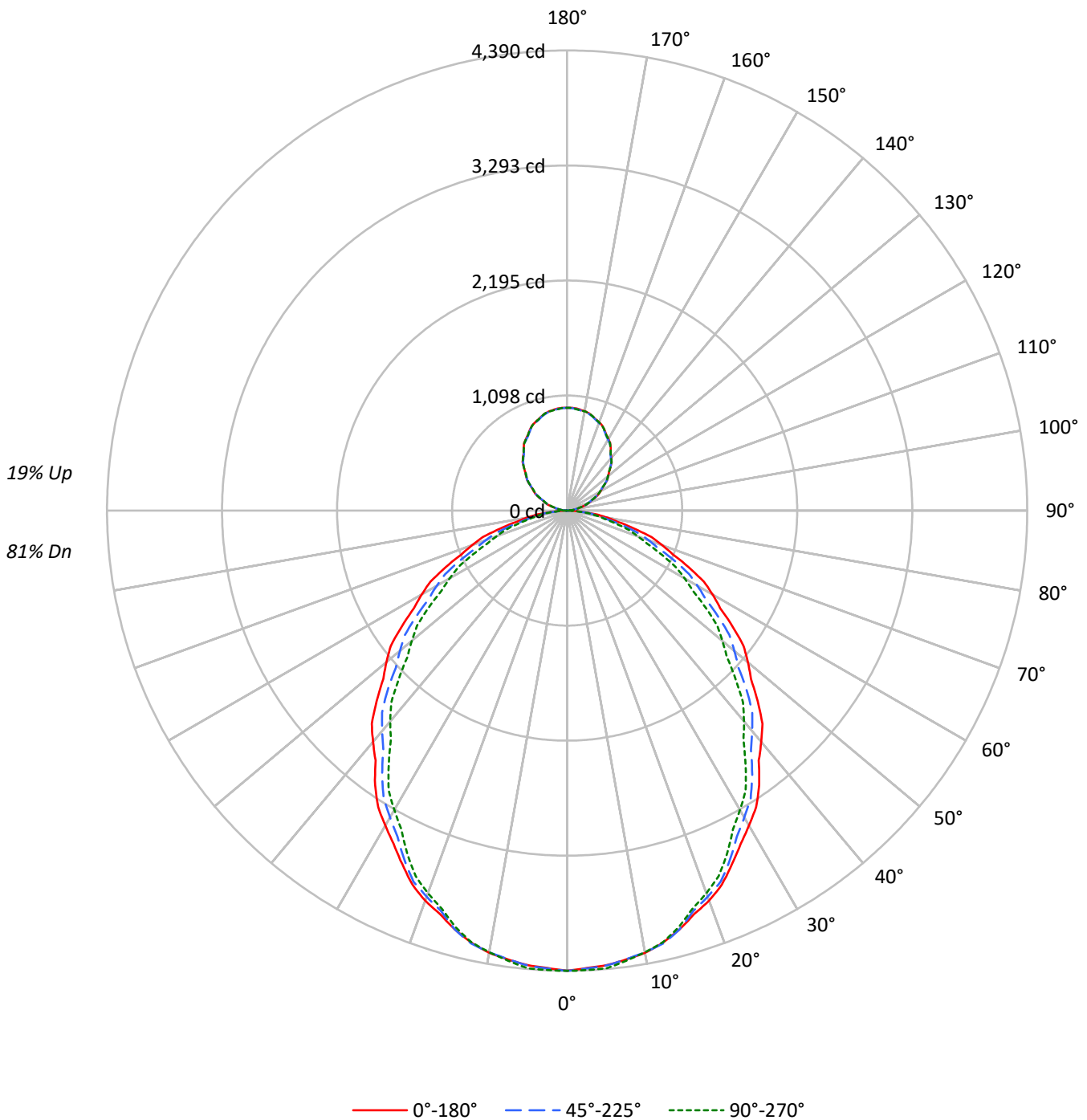
Lumens per Lamp: N/A
Luminaire Lumens: 13037.2 lumens
Efficiency: N/A
Efficacy: 137.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 94.6
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					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	0	
RCR																						
0	114	114	114	114	110	110	110	110	100	100	100	92	92	92	84	84	84	84	84	84	81	
1	105	101	97	93	100	96	93	90	89	86	83	82	79	77	75	73	72	72	72	72	69	
2	96	88	82	77	91	85	79	74	78	73	70	72	68	65	66	63	61	61	61	61	58	
3	88	78	70	64	84	75	68	62	69	64	59	64	59	55	59	55	52	52	52	52	49	
4	80	69	61	55	77	67	59	53	62	55	51	57	52	48	53	49	45	45	45	45	43	
5	74	62	54	47	71	60	52	46	56	49	44	52	46	42	48	43	40	40	40	40	37	
6	68	56	47	41	65	54	46	41	50	44	39	47	41	37	44	39	35	35	35	35	33	
7	64	51	42	37	61	49	41	36	46	39	34	43	37	33	40	35	31	31	31	31	29	
8	59	46	38	33	57	45	37	32	42	35	31	39	34	29	37	32	28	28	28	28	26	
9	55	43	35	29	53	41	34	29	39	32	28	36	31	27	34	29	26	26	26	26	24	
10	52	39	32	27	50	38	31	26	36	30	25	34	28	24	32	27	23	23	23	23	22	

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	24838	24838	24838
5°	24721	24738	24884
10°	24613	24577	24577
15°	24236	24236	24090
20°	23842	23599	23387
25°	23237	22945	22537
30°	22668	22077	21548
35°	22070	21252	20499
40°	21275	20262	19387
45°	20554	19381	18184
50°	19811	18330	17013
55°	19004	17313	15898
60°	18132	16262	14640
65°	17112	15066	13314
70°	15935	13666	11861
75°	14448	11994	10564
80°	12595	10057	9344
85°	9717	8497	8497

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20554 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.3	3.2
10°-20°	1163.8	8.9
20°-30°	1690.7	13.0
30°-40°	1922.1	14.7
40°-50°	1865.9	14.3
50°-60°	1575.4	12.1
60°-70°	1120.8	8.6
70°-80°	598.9	4.6
80°-90°	158.2	1.2
90°-100°	41.4	0.3
100°-110°	162.1	1.2
110°-120°	288.9	2.2
120°-130°	391.0	3.0
130°-140°	449.5	3.4
140°-150°	451.1	3.5
150°-160°	387.9	3.0
160°-170°	262.6	2.0
170°-180°	92.6	0.7
0°-30°	3268.8	25.1
0°-40°	5190.9	39.8
0°-60°	8632.2	66.2
0°-90°	10510.1	80.6
90°-120°	492.5	3.8
90°-150°	1784.0	13.7
90°-180°	2527.0	19.4
0°-180°	13037.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4390	4390	4390	4390	4390	
5°	4353	4408	4356	4351	4382	413
15°	4138	4175	4138	4113	4113	1166
25°	3723	3735	3676	3626	3610	1715
35°	3196	3165	3077	2986	2968	1991
45°	2569	2529	2422	2306	2273	1982
55°	1927	1875	1755	1642	1612	1723
65°	1278	1232	1126	1025	995	1266
75°	661	624	549	492	483	705
85°	150	138	131	131	131	177
90°	0	0	0	0	0	8
95°	40	36	32	30	31	45
105°	157	156	151	149	147	168
115°	295	296	290	289	288	292
125°	439	444	435	434	435	393
135°	585	591	581	577	583	451
145°	725	731	719	715	722	453
155°	846	853	839	836	844	389
165°	934	942	929	924	934	263
175°	978	987	974	968	971	93
180°	980	980	980	980	980	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4390.5	4390.5	4390.5	4390.5	4390.5
2.5°	4368.1	4412.0	4373.1	4378.3	4388.0
5°	4353.1	4408.0	4356.2	4350.7	4381.9
7.5°	4319.5	4369.5	4315.7	4303.2	4330.7
10°	4284.5	4339.4	4278.3	4263.1	4278.3
12.5°	4222.2	4279.5	4230.9	4205.6	4218.4
15°	4138.0	4174.6	4138.0	4113.1	4113.1
17.5°	4035.1	4073.5	4004.6	3986.9	3980.1
20°	3960.3	3993.8	3919.8	3894.6	3884.7
22.5°	3860.5	3891.6	3830.0	3786.7	3775.0
25°	3722.6	3734.8	3675.8	3625.6	3610.4
27.5°	3584.8	3587.8	3506.8	3445.9	3425.8
30°	3470.1	3473.1	3379.6	3313.8	3298.6
32.5°	3355.3	3346.2	3257.4	3179.2	3168.9
35°	3195.7	3165.2	3077.2	2986.4	2968.1
37.5°	3003.0	2984.7	2880.8	2789.8	2762.3
40°	2880.8	2850.3	2743.6	2652.6	2625.1
42.5°	2758.6	2723.2	2613.9	2512.8	2483.0
45°	2569.0	2529.4	2422.5	2306.4	2272.8
47.5°	2378.2	2334.9	2217.3	2104.9	2067.7
50°	2251.0	2205.3	2082.7	1972.6	1933.0
52.5°	2121.3	2073.1	1950.5	1838.1	1805.8
55°	1926.8	1874.9	1755.3	1642.4	1611.9
57.5°	1732.2	1681.0	1562.0	1455.2	1418.6
60°	1602.5	1553.7	1437.3	1330.4	1293.9
62.5°	1470.3	1424.0	1310.1	1205.8	1171.6
65°	1278.3	1232.5	1125.5	1025.0	994.6
67.5°	1088.1	1049.1	943.4	851.2	826.8
70°	963.4	926.8	826.2	741.5	717.1
72.5°	843.7	804.6	709.0	636.9	619.8
75°	661.0	624.4	548.7	492.4	483.3
77.5°	493.9	464.0	398.4	366.5	361.7
80°	386.6	359.2	308.7	286.8	286.8
82.5°	286.8	264.3	231.3	222.0	222.0
85°	149.7	137.5	130.9	130.9	130.9
87.5°	44.9	44.9	42.4	39.9	39.9
90°	0.0	0.0	0.0	0.0	0.0
92.5°	10.8	9.7	6.0	4.8	4.8
95°	39.8	36.2	32.3	30.1	30.8
97.5°	73.5	70.0	65.3	63.0	63.6
100°	97.0	94.0	88.7	86.5	86.5
102.5°	119.8	118.1	112.8	110.5	111.1
105°	157.1	156.4	151.1	148.8	147.4
107.5°	198.3	197.0	191.1	190.9	189.6
110°	224.8	224.1	218.8	218.0	217.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	251.9	252.9	247.1	246.3	245.6
115°	294.7	296.2	289.5	288.7	288.0
117.5°	338.6	340.7	333.5	332.7	331.4
120°	366.9	371.3	362.4	361.6	360.9
122.5°	395.8	399.6	391.3	389.9	389.8
125°	439.1	444.2	435.3	433.8	434.6
127.5°	482.4	487.7	479.4	476.4	478.0
130°	511.2	517.1	508.2	505.3	507.5
132.5°	540.7	546.6	537.7	534.8	538.2
135°	584.9	590.8	581.2	576.8	582.7
137.5°	628.1	633.2	622.7	619.7	625.8
140°	656.4	661.5	650.3	646.7	654.1
142.5°	684.0	689.8	677.4	673.8	681.8
145°	724.8	730.7	718.8	715.1	721.8
147.5°	763.9	769.9	757.9	753.6	760.4
150°	787.9	794.5	781.9	778.3	785.7
152.5°	811.4	818.6	805.4	801.2	810.3
155°	845.8	853.2	839.1	835.5	844.3
157.5°	876.8	883.6	870.8	867.2	874.8
160°	895.4	902.8	889.4	885.9	894.7
162.5°	911.7	919.0	906.9	902.1	910.9
165°	933.8	941.9	929.3	924.2	933.8
167.5°	952.3	961.0	947.6	943.0	952.6
170°	963.1	971.2	957.8	952.0	961.6
172.5°	970.3	978.4	965.1	959.2	965.8
175°	978.1	987.0	973.6	967.7	971.4
177.5°	981.6	988.7	978.0	972.8	981.0
180°	980.4	980.4	980.4	980.4	980.4



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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	20.78	21.98	21.42	22.64	23.39	19.70	20.90	20.34	21.56	22.31
	3H	22.47	23.55	23.13	24.22	25.01	21.14	22.22	21.80	22.89	23.68
	4H	23.12	24.13	23.79	24.81	25.62	21.67	22.69	22.35	23.37	24.17
	6H	23.52	24.46	24.21	25.15	25.96	22.01	22.95	22.70	23.64	24.45
	8H	23.66	24.56	24.37	25.27	26.09	22.14	23.04	22.84	23.74	24.56
	12H	23.74	24.60	24.45	25.30	26.15	22.23	23.08	22.93	23.78	24.63
4H	2H	21.23	22.25	21.91	22.92	23.73	20.37	21.39	21.05	22.06	22.87
	3H	23.15	24.00	23.84	24.71	25.53	22.02	22.87	22.71	23.58	24.40
	4H	23.91	24.68	24.62	25.40	26.25	22.64	23.41	23.35	24.13	24.98
	6H	24.43	25.10	25.16	25.84	26.70	23.07	23.74	23.80	24.48	25.34
	8H	24.63	25.25	25.36	25.99	26.87	23.25	23.87	23.98	24.61	25.48
	12H	24.74	25.30	25.50	26.07	26.95	23.37	23.93	24.12	24.69	25.57
8H	4H	24.06	24.69	24.80	25.43	26.30	22.93	23.55	23.66	24.29	25.16
	6H	24.70	25.21	25.46	26.00	26.87	23.47	23.98	24.23	24.77	25.64
	8H	24.98	25.44	25.75	26.22	27.11	23.72	24.18	24.50	24.97	25.86
	12H	25.16	25.56	25.93	26.34	27.29	23.91	24.32	24.69	25.09	26.05
12H	4H	24.05	24.61	24.81	25.38	26.26	22.94	23.50	23.70	24.27	25.15
	6H	24.72	25.18	25.49	25.96	26.85	23.53	23.99	24.30	24.77	25.66
	8H	25.03	25.44	25.81	26.21	27.16	23.82	24.23	24.60	25.00	25.96