

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: P1439526

Luminaire Tested: CB3-D-030U-120D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439526
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-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 300 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

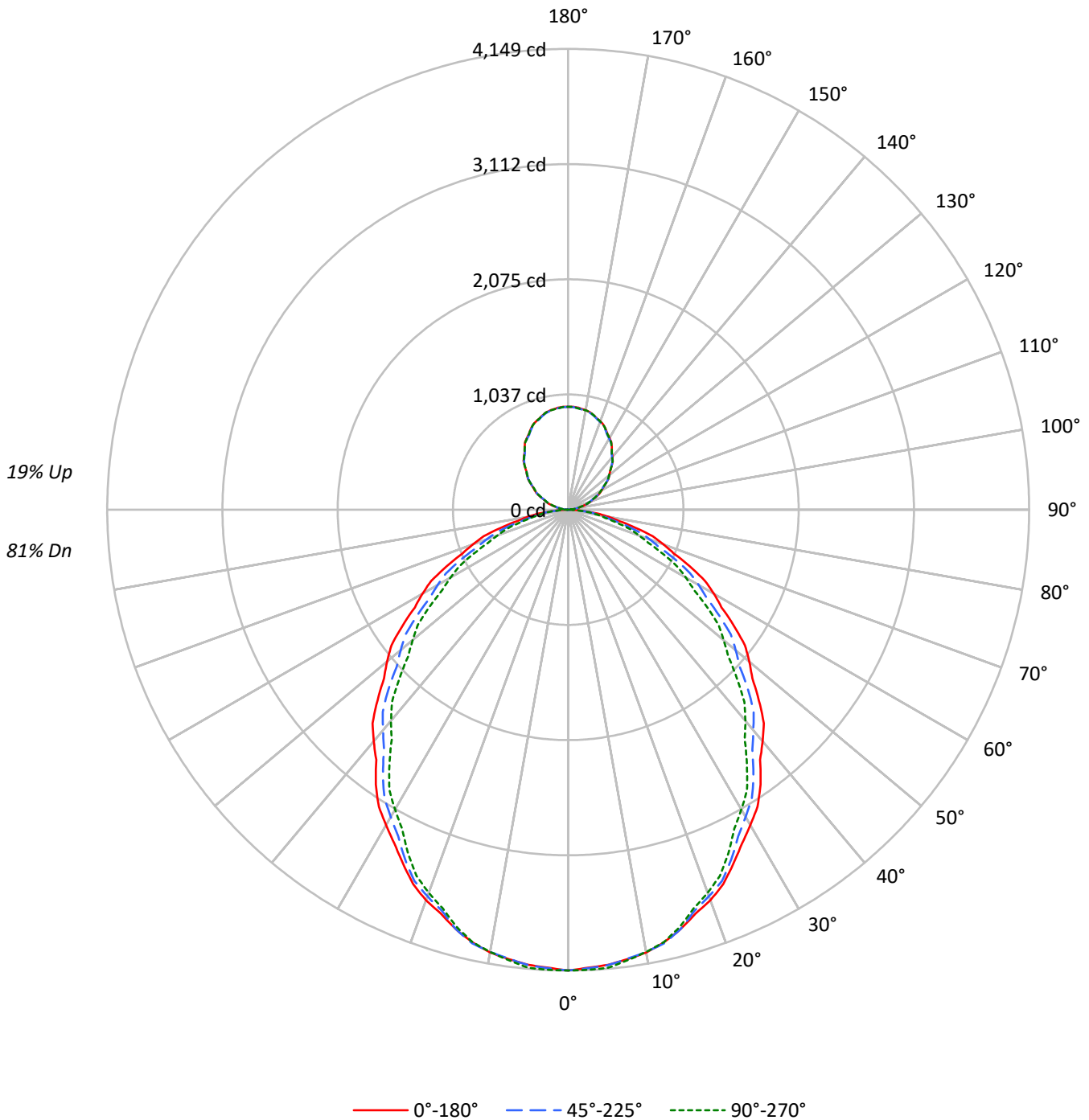
Lumens per Lamp: N/A
Luminaire Lumens: 12318.6 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Direct

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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23470	23470	23470
5°	23358	23375	23513
10°	23256	23222	23222
15°	22900	22900	22762
20°	22528	22298	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°	391.4	3.2
10°-20°	1099.7	8.9
20°-30°	1597.5	13.0
30°-40°	1816.2	14.7
40°-50°	1763.1	14.3
50°-60°	1488.5	12.1
60°-70°	1059.1	8.6
70°-80°	565.9	4.6
80°-90°	149.5	1.2
90°-100°	39.1	0.3
100°-110°	153.2	1.2
110°-120°	273.0	2.2
120°-130°	369.4	3.0
130°-140°	424.7	3.4
140°-150°	426.2	3.5
150°-160°	366.5	3.0
160°-170°	248.1	2.0
170°-180°	87.5	0.7
0°-30°	3088.6	25.1
0°-40°	4904.8	39.8
0°-60°	8156.4	66.2
0°-90°	9930.8	80.6
90°-120°	465.3	3.8
90°-150°	1685.7	13.7
90°-180°	2388.0	19.4
0°-180°	12318.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4149	4149	4149	4149	4149	
5°	4113	4165	4116	4111	4140	390
15°	3910	3944	3910	3886	3886	1101
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	7
95°	38	34	30	28	29	43
105°	148	148	143	141	139	158
115°	278	280	274	273	272	276
125°	415	420	411	410	411	371
135°	553	558	549	545	551	426
145°	685	690	679	676	682	428
155°	799	806	793	789	798	368
165°	882	890	878	873	882	249
175°	924	933	920	914	918	88
180°	926	926	926	926	926	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4148.6	4148.6	4148.6	4148.6	4148.6
2.5°	4127.3	4168.8	4132.1	4137.0	4146.2
5°	4113.2	4165.1	4116.2	4110.9	4140.4
7.5°	4081.4	4128.6	4077.9	4066.1	4092.0
10°	4048.4	4100.2	4042.5	4028.1	4042.5
12.5°	3989.5	4043.6	3997.7	3973.8	3985.9
15°	3909.9	3944.5	3909.9	3886.4	3886.4
17.5°	3812.7	3849.0	3783.9	3767.2	3760.7
20°	3742.0	3773.7	3703.7	3679.9	3670.6
22.5°	3647.8	3677.1	3618.9	3578.0	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°	10.2	9.1	5.7	4.5	4.5
95°	37.7	34.2	30.5	28.4	29.1
97.5°	69.5	66.1	61.7	59.5	60.1
100°	91.6	88.9	83.8	81.7	81.7
102.5°	113.2	111.6	106.6	104.4	105.0
105°	148.5	147.8	142.8	140.6	139.2
107.5°	187.4	186.2	180.6	180.4	179.2
110°	212.4	211.7	206.7	206.0	205.3



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	238.0	239.0	233.4	232.7	232.0
115°	278.5	279.9	273.5	272.8	272.1
117.5°	320.0	321.9	315.1	314.4	313.1
120°	346.7	350.8	342.4	341.7	341.0
122.5°	374.0	377.6	369.7	368.4	368.3
125°	414.9	419.7	411.3	409.9	410.6
127.5°	455.8	460.8	453.0	450.1	451.7
130°	483.1	488.6	480.2	477.4	479.5
132.5°	510.9	516.5	508.1	505.3	508.5
135°	552.7	558.2	549.1	545.0	550.6
137.5°	593.5	598.3	588.4	585.5	591.3
140°	620.2	625.0	614.5	611.1	618.0
142.5°	646.3	651.7	640.1	636.7	644.2
145°	684.8	690.4	679.1	675.7	682.0
147.5°	721.8	727.5	716.1	712.1	718.5
150°	744.5	750.8	738.8	735.4	742.4
152.5°	766.7	773.5	761.0	757.1	765.7
155°	799.2	806.1	792.8	789.4	797.8
157.5°	828.5	834.9	822.8	819.4	826.6
160°	846.1	853.0	840.4	837.0	845.4
162.5°	861.4	868.4	856.9	852.4	860.7
165°	882.3	890.0	878.1	873.3	882.3
167.5°	899.8	908.0	895.4	891.0	900.1
170°	910.0	917.7	905.1	899.6	908.6
172.5°	916.8	924.5	911.9	906.3	912.6
175°	924.2	932.6	920.0	914.4	917.8
177.5°	927.5	934.2	924.1	919.2	926.9
180°	926.4	926.4	926.4	926.4	926.4



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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	20.58	21.79	21.22	22.44	23.20	19.50	20.71	20.15	21.36	22.12
	3H	22.27	23.35	22.93	24.02	24.81	20.94	22.02	21.60	22.69	23.48
	4H	22.92	23.94	23.60	24.62	25.42	21.47	22.49	22.15	23.17	23.97
	6H	23.32	24.26	24.01	24.95	25.77	21.81	22.75	22.50	23.44	24.26
	8H	23.47	24.36	24.17	25.07	25.89	21.94	22.84	22.64	23.55	24.37
	12H	23.55	24.40	24.25	25.10	25.95	22.03	22.88	22.73	23.59	24.43
4H	2H	21.03	22.05	21.71	22.73	23.53	20.17	21.19	20.85	21.87	22.67
	3H	22.95	23.80	23.64	24.51	25.34	21.82	22.67	22.51	23.39	24.21
	4H	23.71	24.48	24.42	25.20	26.05	22.44	23.21	23.15	23.93	24.78
	6H	24.23	24.90	24.96	25.64	26.51	22.87	23.54	23.60	24.28	25.15
	8H	24.43	25.06	25.16	25.80	26.67	23.05	23.67	23.78	24.41	25.29
	12H	24.55	25.11	25.30	25.87	26.75	23.17	23.73	23.92	24.50	25.37
8H	4H	23.87	24.49	24.60	25.23	26.11	22.73	23.35	23.46	24.09	24.97
	6H	24.50	25.02	25.26	25.80	26.68	23.27	23.79	24.03	24.57	25.45
	8H	24.78	25.24	25.55	26.02	26.92	23.53	23.99	24.30	24.77	25.66
	12H	24.96	25.36	25.74	26.14	27.09	23.72	24.12	24.49	24.90	25.85
12H	4H	23.86	24.42	24.61	25.18	26.06	22.75	23.31	23.50	24.07	24.95
	6H	24.52	24.98	25.29	25.77	26.66	23.33	23.79	24.11	24.58	25.47
	8H	24.83	25.24	25.61	26.01	26.97	23.63	24.03	24.40	24.81	25.76