

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: P1439521

Luminaire Tested: CB3-D-030U-120D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439521
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-927-1D-UNV-STD-W-4
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: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

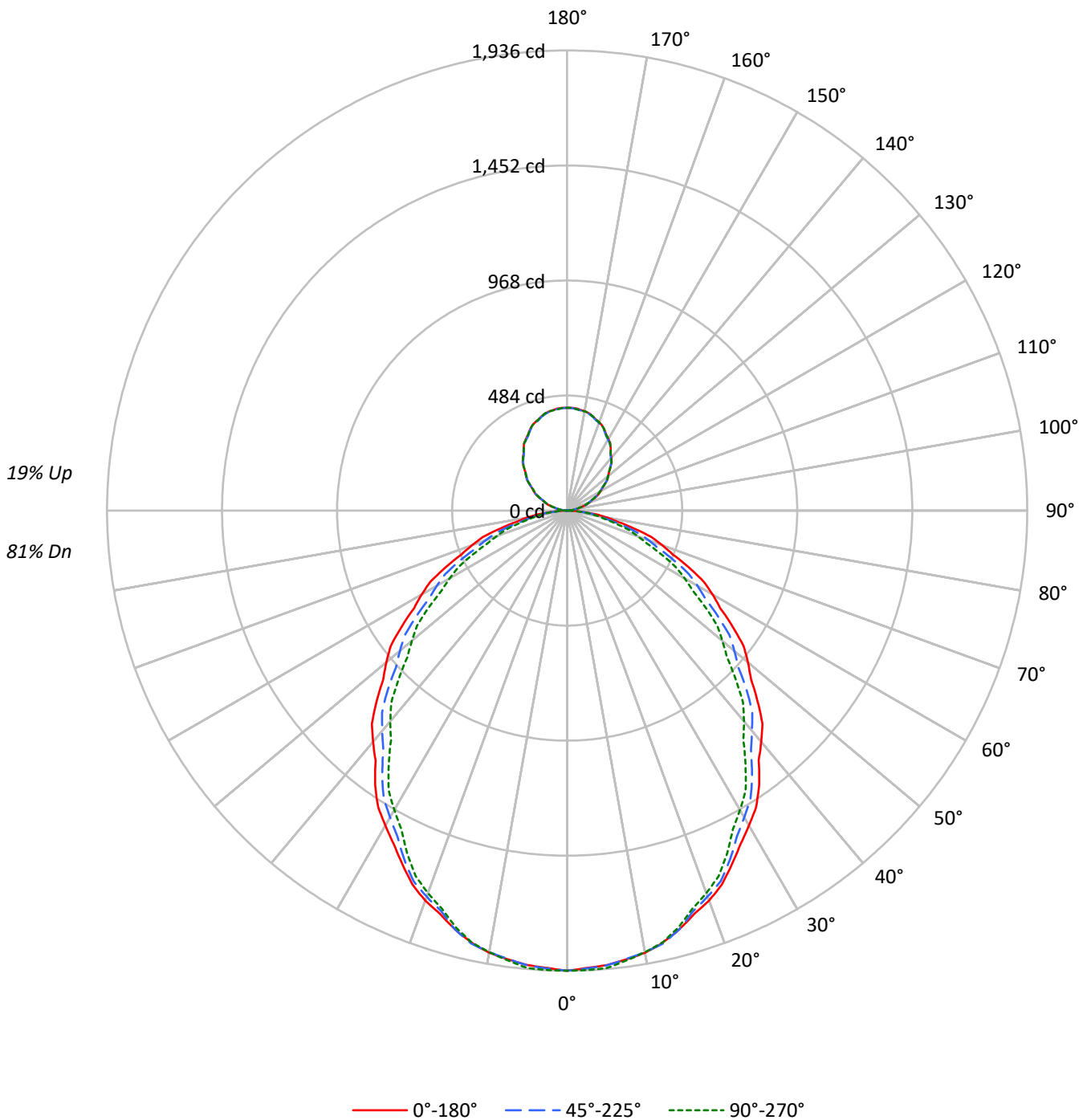
Lumens per Lamp: N/A
Luminaire Lumens: 5748.2 lumens
Efficiency: N/A
Efficacy: 124.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 46.3
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	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°	21903	21903	21903
5°	21799	21815	21943
10°	21704	21672	21672
15°	21372	21372	21243
20°	21024	20810	20623
25°	20490	20233	19872
30°	19989	19468	19002
35°	19462	18741	18076
40°	18761	17867	17095
45°	18125	17091	16035
50°	17470	16164	15002
55°	16758	15266	14020
60°	15990	14340	12910
65°	15089	13285	11740
70°	14053	12052	10460
75°	12739	10575	9316
80°	11109	8868	8242
85°	8568	7491	7491

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°	182.6	3.2
10°-20°	513.1	8.9
20°-30°	745.4	13.0
30°-40°	847.5	14.7
40°-50°	822.7	14.3
50°-60°	694.6	12.1
60°-70°	494.2	8.6
70°-80°	264.1	4.6
80°-90°	69.8	1.2
90°-100°	18.3	0.3
100°-110°	71.5	1.2
110°-120°	127.4	2.2
120°-130°	172.4	3.0
130°-140°	198.2	3.4
140°-150°	198.9	3.5
150°-160°	171.0	3.0
160°-170°	115.8	2.0
170°-180°	40.8	0.7
0°-30°	1441.2	25.1
0°-40°	2288.7	39.8
0°-60°	3806.0	66.2
0°-90°	4634.0	80.6
90°-120°	217.1	3.8
90°-150°	786.6	13.7
90°-180°	1114.0	19.4
0°-180°	5748.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1936	1936	1936	1936	1936	
5°	1919	1944	1921	1918	1932	182
15°	1824	1841	1824	1814	1814	514
25°	1641	1647	1621	1599	1592	756
35°	1409	1396	1357	1317	1309	878
45°	1133	1115	1068	1017	1002	874
55°	850	827	774	724	711	760
65°	564	543	496	452	438	558
75°	291	275	242	217	213	311
85°	66	61	58	58	58	78
90°	0	0	0	0	0	3
95°	18	16	14	13	14	20
105°	69	69	67	66	65	74
115°	130	131	128	127	127	129
125°	194	196	192	191	192	173
135°	258	260	256	254	257	199
145°	320	322	317	315	318	200
155°	373	376	370	368	372	172
165°	412	415	410	408	412	116
175°	431	435	429	427	428	41
180°	432	432	432	432	432	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1935.8	1935.8	1935.8	1935.8	1935.8
2.5°	1925.9	1945.3	1928.1	1930.4	1934.7
5°	1919.3	1943.5	1920.7	1918.3	1932.0
7.5°	1904.5	1926.5	1902.8	1897.3	1909.4
10°	1889.1	1913.3	1886.3	1879.6	1886.3
12.5°	1861.6	1886.9	1865.4	1854.3	1859.9
15°	1824.5	1840.6	1824.5	1813.5	1813.5
17.5°	1779.1	1796.0	1765.6	1757.9	1754.9
20°	1746.1	1760.9	1728.3	1717.2	1712.8
22.5°	1702.1	1715.8	1688.7	1669.6	1664.4
25°	1641.3	1646.7	1620.7	1598.6	1591.8
27.5°	1580.6	1581.9	1546.2	1519.3	1510.5
30°	1530.0	1531.3	1490.1	1461.1	1454.4
32.5°	1479.4	1475.4	1436.2	1401.8	1397.2
35°	1409.0	1395.6	1356.8	1316.7	1308.7
37.5°	1324.1	1316.0	1270.2	1230.0	1217.9
40°	1270.2	1256.7	1209.7	1169.5	1157.4
42.5°	1216.3	1200.7	1152.5	1107.9	1094.8
45°	1132.7	1115.2	1068.1	1016.9	1002.1
47.5°	1048.6	1029.5	977.6	928.1	911.7
50°	992.5	972.3	918.3	869.7	852.3
52.5°	935.3	914.1	860.0	810.4	796.2
55°	849.5	826.7	773.9	724.1	710.7
57.5°	763.7	741.2	688.7	641.6	625.5
60°	706.6	685.1	633.7	586.6	570.5
62.5°	648.3	627.8	577.6	531.6	516.6
65°	563.6	543.4	496.2	452.0	438.5
67.5°	479.7	462.5	416.0	375.3	364.6
70°	424.8	408.6	364.3	326.9	316.2
72.5°	372.0	354.8	312.6	280.8	273.3
75°	291.4	275.3	241.9	217.1	213.1
77.5°	217.7	204.6	175.7	161.6	159.5
80°	170.5	158.4	136.1	126.5	126.5
82.5°	126.5	116.5	102.0	97.9	97.9
85°	66.0	60.6	57.7	57.7	57.7
87.5°	19.8	19.8	18.7	17.6	17.6
90°	0.0	0.0	0.0	0.0	0.0
92.5°	4.8	4.3	2.7	2.1	2.1
95°	17.6	15.9	14.3	13.3	13.6
97.5°	32.4	30.9	28.8	27.8	28.0
100°	42.8	41.5	39.1	38.1	38.1
102.5°	52.8	52.1	49.7	48.7	49.0
105°	69.3	69.0	66.6	65.6	65.0
107.5°	87.4	86.9	84.3	84.2	83.6
110°	99.1	98.8	96.5	96.1	95.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	111.0	111.5	108.9	108.6	108.3
115°	129.9	130.6	127.6	127.3	127.0
117.5°	149.3	150.2	147.0	146.7	146.1
120°	161.8	163.7	159.8	159.4	159.1
122.5°	174.5	176.2	172.5	171.9	171.8
125°	193.6	195.9	191.9	191.3	191.6
127.5°	212.7	215.0	211.4	210.0	210.8
130°	225.4	228.0	224.1	222.8	223.8
132.5°	238.4	241.0	237.1	235.8	237.3
135°	257.9	260.5	256.2	254.3	256.9
137.5°	276.9	279.2	274.5	273.2	275.9
140°	289.4	291.7	286.7	285.2	288.4
142.5°	301.6	304.1	298.7	297.1	300.6
145°	319.6	322.2	316.9	315.3	318.2
147.5°	336.8	339.5	334.1	332.3	335.3
150°	347.4	350.3	344.8	343.2	346.4
152.5°	357.7	360.9	355.1	353.3	357.3
155°	372.9	376.2	369.9	368.4	372.3
157.5°	386.6	389.6	383.9	382.4	385.7
160°	394.8	398.0	392.2	390.6	394.5
162.5°	402.0	405.2	399.8	397.7	401.6
165°	411.7	415.3	409.7	407.5	411.7
167.5°	419.9	423.7	417.8	415.8	420.0
170°	424.6	428.2	422.3	419.8	424.0
172.5°	427.8	431.4	425.5	422.9	425.8
175°	431.3	435.2	429.3	426.7	428.3
177.5°	432.8	435.9	431.2	428.9	432.5
180°	432.3	432.3	432.3	432.3	432.3



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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	20.34	21.55	20.98	22.20	22.96	19.26	20.47	19.91	21.12	21.88
	3H	22.03	23.11	22.69	23.78	24.57	20.70	21.78	21.36	22.45	23.24
	4H	22.68	23.70	23.36	24.38	25.18	21.23	22.25	21.91	22.93	23.73
	6H	23.08	24.02	23.77	24.71	25.53	21.57	22.51	22.26	23.20	24.02
	8H	23.23	24.12	23.93	24.83	25.65	21.70	22.60	22.40	23.31	24.13
	12H	23.31	24.16	24.01	24.86	25.71	21.79	22.64	22.50	23.35	24.19
4H	2H	20.79	21.81	21.47	22.49	23.29	19.93	20.95	20.61	21.63	22.43
	3H	22.71	23.56	23.40	24.27	25.10	21.58	22.43	22.27	23.15	23.97
	4H	23.47	24.24	24.18	24.96	25.81	22.20	22.97	22.91	23.69	24.54
	6H	23.99	24.66	24.72	25.40	26.27	22.63	23.30	23.36	24.04	24.91
	8H	24.19	24.82	24.92	25.56	26.43	22.81	23.43	23.54	24.17	25.05
	12H	24.31	24.87	25.06	25.63	26.51	22.93	23.49	23.68	24.26	25.14
8H	4H	23.63	24.25	24.36	24.99	25.87	22.49	23.11	23.22	23.85	24.73
	6H	24.26	24.78	25.02	25.56	26.44	23.03	23.55	23.79	24.33	25.21
	8H	24.54	25.00	25.31	25.78	26.68	23.29	23.75	24.06	24.53	25.42
	12H	24.72	25.12	25.50	25.90	26.85	23.48	23.88	24.25	24.66	25.61
12H	4H	23.62	24.18	24.37	24.94	25.82	22.51	23.07	23.26	23.83	24.71
	6H	24.28	24.74	25.05	25.53	26.42	23.09	23.55	23.87	24.34	25.23
	8H	24.59	25.00	25.37	25.77	26.73	23.39	23.79	24.17	24.57	25.52