

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: P1439525

Luminaire Tested: CB3-D-030U-120D-935-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439525
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-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: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

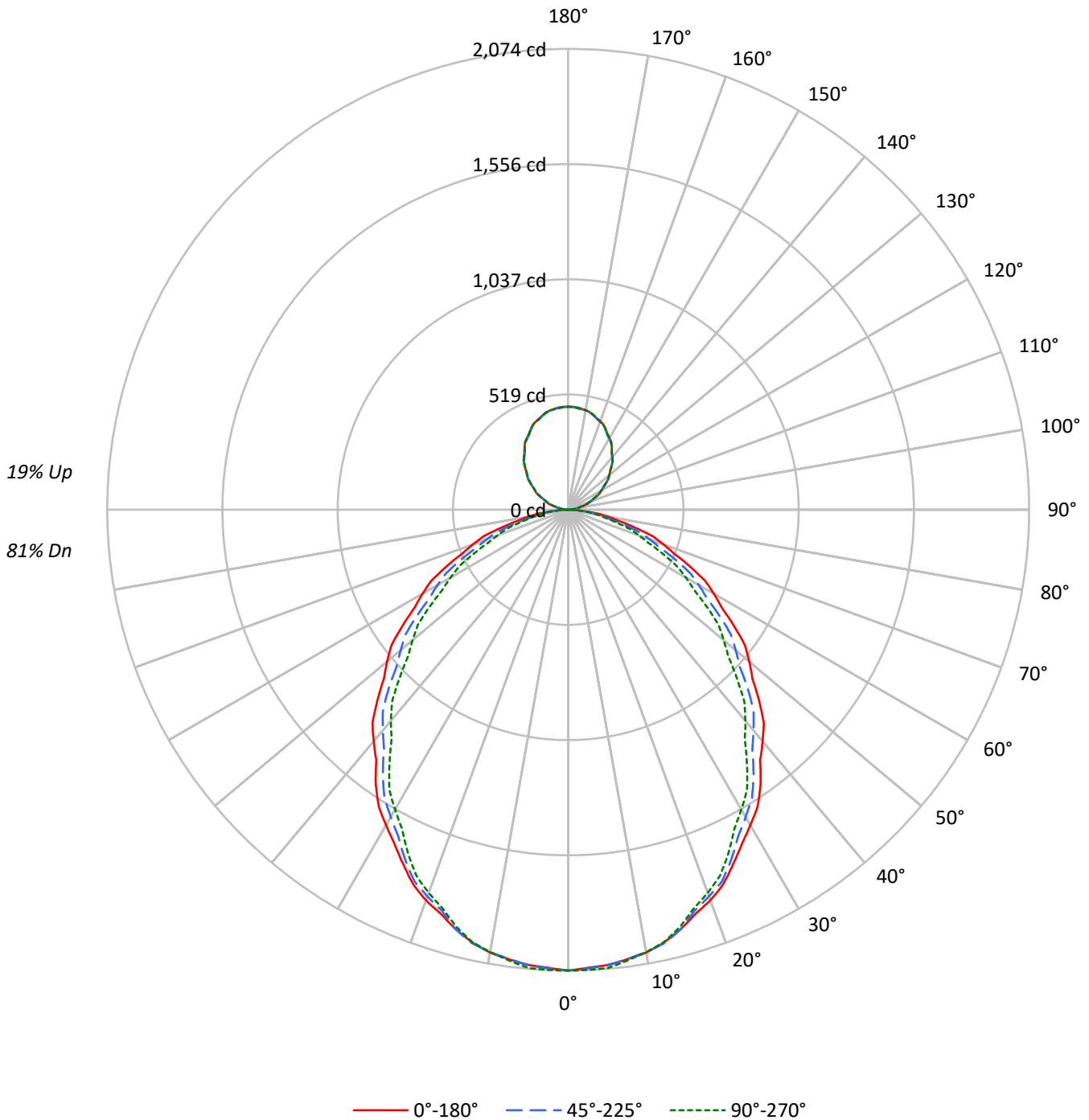
Lumens per Lamp: N/A
Luminaire Lumens: 6159.3 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 46.3
Input Voltage (V): 120
Input Current (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	23223	23223
15°	22900	22900	22762
20°	22528	22298	22098
25°	21956	21680	21294
30°	21419	20861	20360
35°	20854	20081	19369
40°	20102	19145	18318
45°	19421	18313	17182
50°	18720	17319	16074
55°	17957	16359	15022
60°	17133	15365	13833
65°	16168	14235	12580
70°	15055	12912	11208
75°	13653	11331	9980
80°	11898	9500	8829
85°	9178	8036	8036

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°	195.7	3.2
10°-20°	549.8	8.9
20°-30°	798.8	13.0
30°-40°	908.1	14.7
40°-50°	881.5	14.3
50°-60°	744.3	12.1
60°-70°	529.5	8.6
70°-80°	282.9	4.6
80°-90°	74.8	1.2
90°-100°	19.6	0.3
100°-110°	76.6	1.2
110°-120°	136.5	2.2
120°-130°	184.7	3.0
130°-140°	212.4	3.4
140°-150°	213.1	3.5
150°-160°	183.3	3.0
160°-170°	124.1	2.0
170°-180°	43.8	0.7
0°-30°	1544.3	25.1
0°-40°	2452.4	39.8
0°-60°	4078.2	66.2
0°-90°	4965.4	80.6
90°-120°	232.7	3.8
90°-150°	842.9	13.7
90°-180°	1194.0	19.4
0°-180°	6159.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2074	2074	2074	2074	2074	
5°	2057	2082	2058	2056	2070	195
15°	1955	1972	1955	1943	1943	551
25°	1759	1764	1737	1713	1706	810
35°	1510	1495	1454	1411	1402	941
45°	1214	1195	1144	1090	1074	936
55°	910	886	829	776	762	814
65°	604	582	532	484	470	598
75°	312	295	259	233	228	333
85°	71	65	62	62	62	84
90°	0	0	0	0	0	4
95°	19	17	15	14	15	21
105°	74	74	71	70	70	79
115°	139	140	137	136	136	138
125°	207	210	206	205	205	185
135°	276	279	275	272	275	213
145°	342	345	340	338	341	214
155°	400	403	396	395	399	184
165°	441	445	439	437	441	124
175°	462	466	460	457	459	44
180°	463	463	463	463	463	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2074.3	2074.3	2074.3	2074.3	2074.3
2.5°	2063.7	2084.4	2066.0	2068.5	2073.1
5°	2056.6	2082.5	2058.1	2055.5	2070.2
7.5°	2040.7	2064.3	2038.9	2033.0	2046.0
10°	2024.2	2050.1	2021.3	2014.1	2021.3
12.5°	1994.7	2021.8	1998.9	1986.9	1993.0
15°	1955.0	1972.3	1955.0	1943.2	1943.2
17.5°	1906.4	1924.5	1891.9	1883.6	1880.4
20°	1871.0	1886.9	1851.9	1840.0	1835.3
22.5°	1823.9	1838.6	1809.4	1789.0	1783.5
25°	1758.7	1764.5	1736.6	1712.9	1705.7
27.5°	1693.6	1695.0	1656.8	1628.0	1618.5
30°	1639.4	1640.8	1596.7	1565.6	1558.4
32.5°	1585.2	1580.9	1538.9	1502.0	1497.1
35°	1509.8	1495.4	1453.8	1410.9	1402.3
37.5°	1418.8	1410.1	1361.0	1318.0	1305.0
40°	1361.0	1346.6	1296.2	1253.2	1240.2
42.5°	1303.3	1286.6	1234.9	1187.2	1173.1
45°	1213.7	1195.0	1144.5	1089.6	1073.8
47.5°	1123.6	1103.1	1047.6	994.4	976.9
50°	1063.5	1041.9	983.9	932.0	913.2
52.5°	1002.2	979.4	921.5	868.4	853.1
55°	910.3	885.8	829.3	775.9	761.5
57.5°	818.4	794.2	738.0	687.5	670.2
60°	757.1	734.1	679.0	628.6	611.3
62.5°	694.6	672.8	618.9	569.7	553.5
65°	603.9	582.3	531.7	484.3	469.9
67.5°	514.1	495.6	445.7	402.1	390.6
70°	455.1	437.9	390.3	350.3	338.8
72.5°	398.6	380.1	335.0	300.9	292.8
75°	312.3	295.0	259.2	232.6	228.3
77.5°	233.3	219.2	188.2	173.2	170.9
80°	182.6	169.7	145.8	135.5	135.5
82.5°	135.5	124.9	109.3	104.9	104.9
85°	70.7	64.9	61.9	61.9	61.9
87.5°	21.2	21.2	20.0	18.9	18.9
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.1	4.6	2.8	2.3	2.3
95°	18.8	17.1	15.3	14.2	14.6
97.5°	34.7	33.1	30.8	29.8	30.0
100°	45.8	44.4	41.9	40.8	40.8
102.5°	56.6	55.8	53.3	52.2	52.5
105°	74.2	73.9	71.4	70.3	69.6
107.5°	93.7	93.1	90.3	90.2	89.6
110°	106.2	105.9	103.4	103.0	102.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	119.0	119.5	116.7	116.4	116.0
115°	139.2	139.9	136.8	136.4	136.0
117.5°	160.0	161.0	157.6	157.2	156.6
120°	173.3	175.4	171.2	170.8	170.5
122.5°	187.0	188.8	184.8	184.2	184.1
125°	207.4	209.9	205.7	205.0	205.3
127.5°	227.9	230.4	226.5	225.1	225.8
130°	241.5	244.3	240.1	238.7	239.8
132.5°	255.5	258.2	254.0	252.7	254.3
135°	276.3	279.1	274.6	272.5	275.3
137.5°	296.7	299.2	294.2	292.8	295.7
140°	310.1	312.5	307.2	305.6	309.0
142.5°	323.2	325.9	320.0	318.3	322.1
145°	342.4	345.2	339.6	337.9	341.0
147.5°	360.9	363.7	358.0	356.1	359.2
150°	372.2	375.4	369.4	367.7	371.2
152.5°	383.3	386.7	380.5	378.5	382.8
155°	399.6	403.1	396.4	394.7	398.9
157.5°	414.2	417.4	411.4	409.7	413.3
160°	423.0	426.5	420.2	418.5	422.7
162.5°	430.7	434.2	428.4	426.2	430.4
165°	441.2	445.0	439.0	436.6	441.2
167.5°	449.9	454.0	447.7	445.5	450.0
170°	455.0	458.8	452.5	449.8	454.3
172.5°	458.4	462.2	455.9	453.2	456.3
175°	462.1	466.3	460.0	457.2	458.9
177.5°	463.7	467.1	462.0	459.6	463.5
180°	463.2	463.2	463.2	463.2	463.2



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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	22.74	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	25.73	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