

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: P1439527

Luminaire Tested: CB3-D-030U-120D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439527
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-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: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

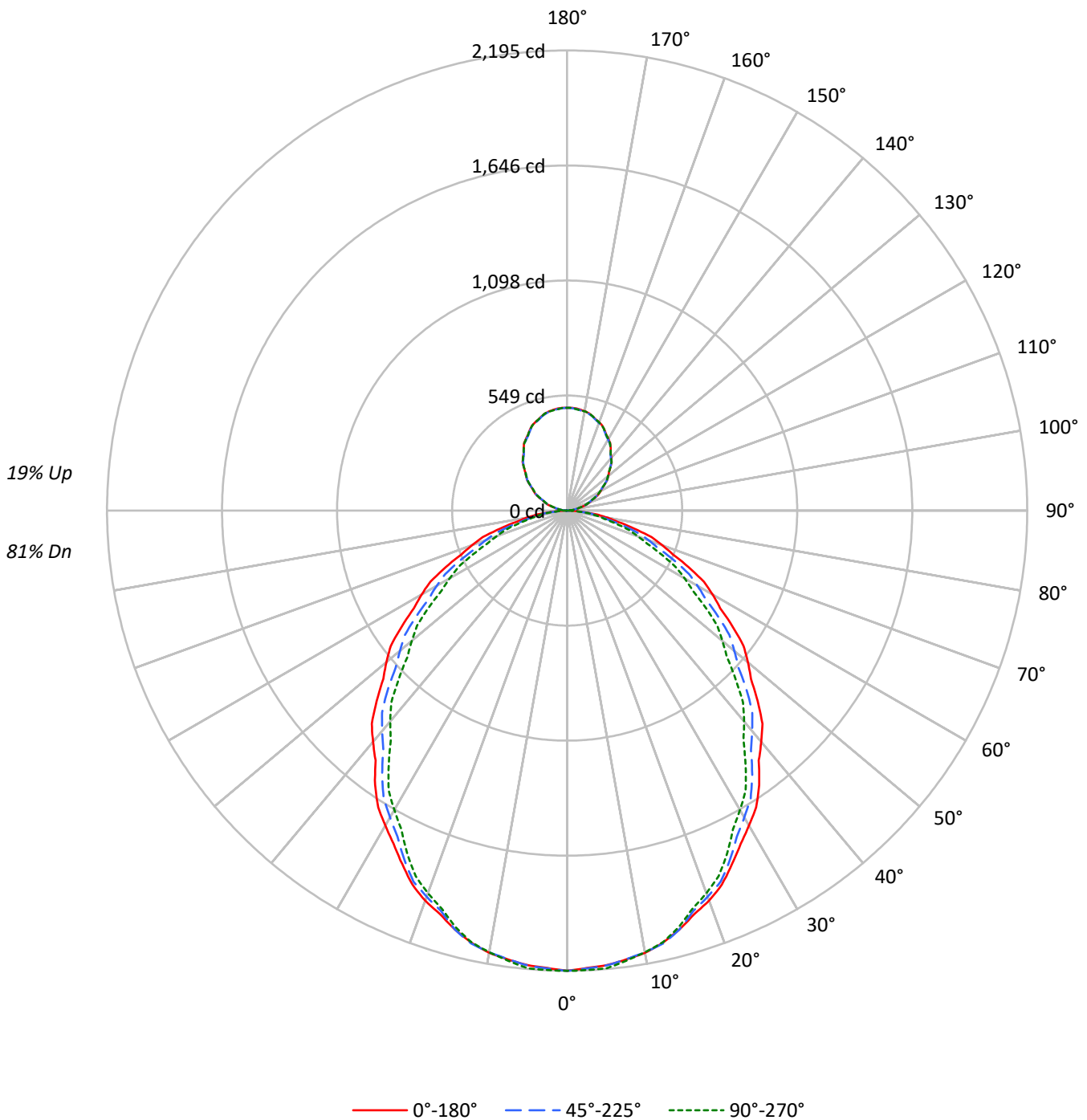
Lumens per Lamp: N/A
Luminaire Lumens: 6518.6 lumens
Efficiency: N/A
Efficacy: 140.8 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Direct

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										
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	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°	24839	24839	24839
5°	24721	24738	24885
10°	24613	24578	24578
15°	24236	24236	24089
20°	23842	23599	23388
25°	23237	22945	22537
30°	22668	22077	21548
35°	22070	21252	20498
40°	21275	20262	19387
45°	20554	19381	18184
50°	19811	18329	17013
55°	19004	17312	15897
60°	18133	16261	14639
65°	17110	15068	13314
70°	15935	13666	11860
75°	14448	11996	10562
80°	12595	10054	9344
85°	9711	8503	8503

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°	207.1	3.2
10°-20°	581.9	8.9
20°-30°	845.3	13.0
30°-40°	961.1	14.7
40°-50°	933.0	14.3
50°-60°	787.7	12.1
60°-70°	560.4	8.6
70°-80°	299.4	4.6
80°-90°	79.1	1.2
90°-100°	20.7	0.3
100°-110°	81.1	1.2
110°-120°	144.5	2.2
120°-130°	195.5	3.0
130°-140°	224.8	3.4
140°-150°	225.5	3.5
150°-160°	194.0	3.0
160°-170°	131.3	2.0
170°-180°	46.3	0.7
0°-30°	1634.4	25.1
0°-40°	2595.4	39.8
0°-60°	4316.1	66.2
0°-90°	5255.0	80.6
90°-120°	246.2	3.8
90°-150°	892.0	13.7
90°-180°	1264.0	19.4
0°-180°	6518.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2195	2195	2195	2195	2195	
5°	2177	2204	2178	2175	2191	207
15°	2069	2087	2069	2056	2056	583
25°	1861	1867	1838	1813	1805	858
35°	1598	1583	1539	1493	1484	996
45°	1284	1265	1211	1153	1136	991
55°	963	938	878	821	806	861
65°	639	616	563	512	497	633
75°	330	312	274	246	242	352
85°	75	69	66	66	66	89
90°	0	0	0	0	0	4
95°	20	18	16	15	15	23
105°	79	78	76	74	74	84
115°	147	148	145	144	144	146
125°	220	222	218	217	217	196
135°	292	295	291	288	291	225
145°	362	365	359	358	361	226
155°	423	427	420	418	422	195
165°	467	471	465	462	467	132
175°	489	494	487	484	486	46
180°	490	490	490	490	490	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2195.3	2195.3	2195.3	2195.3	2195.3
2.5°	2184.0	2206.0	2186.5	2189.1	2194.0
5°	2176.6	2204.0	2178.1	2175.4	2191.0
7.5°	2159.7	2184.7	2157.9	2151.6	2165.3
10°	2142.3	2169.7	2139.2	2131.5	2139.2
12.5°	2111.1	2139.7	2115.5	2102.8	2109.2
15°	2069.0	2087.3	2069.0	2056.5	2056.5
17.5°	2017.6	2036.8	2002.3	1993.5	1990.0
20°	1980.1	1996.9	1959.9	1947.3	1942.4
22.5°	1930.3	1945.8	1915.0	1893.3	1887.5
25°	1861.3	1867.4	1837.9	1812.8	1805.2
27.5°	1792.4	1793.9	1753.4	1723.0	1712.9
30°	1735.0	1736.6	1689.8	1656.9	1649.3
32.5°	1677.7	1673.1	1628.7	1589.6	1584.4
35°	1597.8	1582.6	1538.6	1493.2	1484.0
37.5°	1501.5	1492.4	1440.4	1394.9	1381.2
40°	1440.4	1425.2	1371.8	1326.3	1312.6
42.5°	1379.3	1361.6	1307.0	1256.4	1241.5
45°	1284.5	1264.7	1211.2	1153.2	1136.4
47.5°	1189.1	1167.5	1108.7	1052.4	1033.8
50°	1125.5	1102.6	1041.3	986.3	966.5
52.5°	1060.7	1036.6	975.2	919.1	902.9
55°	963.4	937.5	877.6	821.2	805.9
57.5°	866.1	840.5	781.0	727.6	709.3
60°	801.3	776.9	718.6	665.2	646.9
62.5°	735.2	712.0	655.0	602.9	585.8
65°	639.1	616.3	562.8	512.5	497.3
67.5°	544.0	524.5	471.7	425.6	413.4
70°	481.7	463.4	413.1	370.7	358.5
72.5°	421.8	402.3	354.5	318.4	309.9
75°	330.5	312.2	274.4	246.2	241.6
77.5°	246.9	232.0	199.2	183.3	180.8
80°	193.3	179.6	154.3	143.4	143.4
82.5°	143.4	132.1	115.7	111.0	111.0
85°	74.8	68.7	65.5	65.5	65.5
87.5°	22.4	22.4	21.2	20.0	20.0
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.4	4.8	3.0	2.4	2.4
95°	19.9	18.1	16.2	15.0	15.4
97.5°	36.8	35.0	32.6	31.5	31.8
100°	48.5	47.0	44.4	43.2	43.2
102.5°	59.9	59.0	56.4	55.3	55.6
105°	78.6	78.2	75.6	74.4	73.7
107.5°	99.2	98.5	95.6	95.5	94.8
110°	112.4	112.0	109.4	109.0	108.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	125.9	126.4	123.5	123.1	122.8
115°	147.4	148.1	144.7	144.3	144.0
117.5°	169.3	170.3	166.8	166.4	165.7
120°	183.4	185.7	181.2	180.8	180.4
122.5°	197.9	199.8	195.6	194.9	194.9
125°	219.5	222.1	217.7	216.9	217.3
127.5°	241.2	243.8	239.7	238.2	239.0
130°	255.6	258.6	254.1	252.6	253.7
132.5°	270.4	273.3	268.9	267.4	269.1
135°	292.5	295.4	290.6	288.4	291.3
137.5°	314.0	316.6	311.3	309.8	312.9
140°	328.2	330.8	325.2	323.4	327.0
142.5°	342.0	344.9	338.7	336.9	340.9
145°	362.4	365.3	359.4	357.6	360.9
147.5°	381.9	384.9	378.9	376.8	380.2
150°	394.0	397.3	391.0	389.2	392.8
152.5°	405.7	409.3	402.7	400.6	405.2
155°	422.9	426.6	419.5	417.7	422.2
157.5°	438.4	441.8	435.4	433.6	437.4
160°	447.7	451.4	444.7	442.9	447.3
162.5°	455.8	459.5	453.4	451.1	455.5
165°	466.9	470.9	464.6	462.1	466.9
167.5°	476.1	480.5	473.8	471.5	476.3
170°	481.6	485.6	478.9	476.0	480.8
172.5°	485.2	489.2	482.5	479.6	482.9
175°	489.1	493.5	486.8	483.8	485.7
177.5°	490.8	494.3	489.0	486.4	490.5
180°	490.2	490.2	490.2	490.2	490.2

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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	20.78	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	23.03	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	26.33	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