

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: P1439508

Luminaire Tested: CB3-D-030U-055D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439508
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-055D-930-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

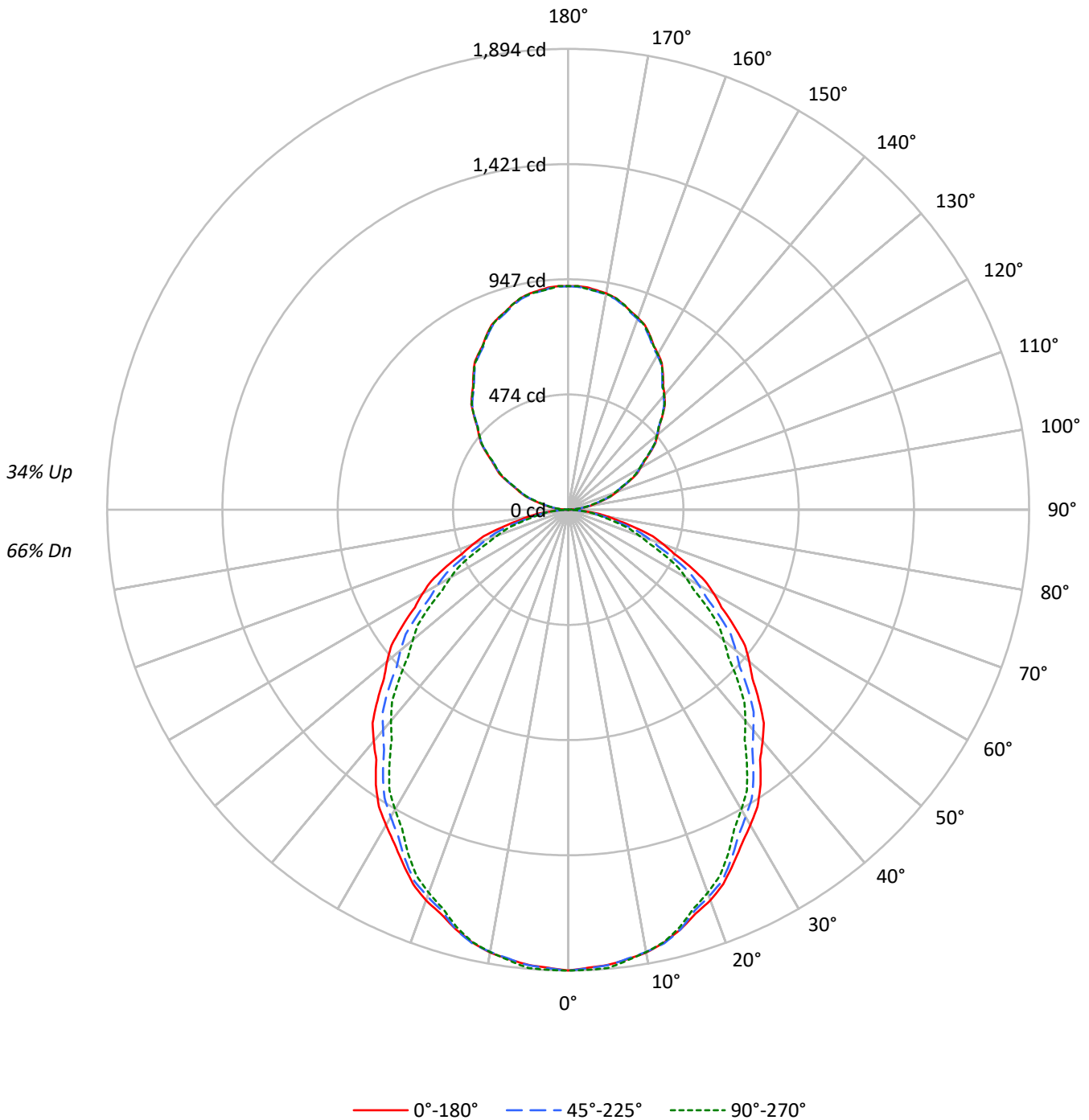
Lumens per Lamp: N/A
Luminaire Lumens: 6901.6 lumens
Efficiency: N/A
Efficacy: 136.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 50.6
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																		
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	50	30	10	50	30	10	0																
RCR																																														
0	111	111	111	111	104	104	104	104	92	92	92	81	81	81	71	71	71	66																												
1	102	97	93	90	95	92	88	85	81	79	76	72	70	68	63	61	60	56																												
2	93	85	79	74	87	80	75	70	71	67	64	63	60	57	56	53	51	47																												
3	85	75	68	62	79	71	64	59	63	58	54	56	52	49	49	46	44	40																												
4	78	67	59	53	73	63	56	50	56	51	46	50	46	42	44	41	38	35																												
5	71	60	51	45	67	57	49	44	51	45	40	45	40	36	40	36	33	30																												
6	66	54	45	40	62	51	43	38	46	40	35	41	36	32	36	32	29	27																												
7	61	49	41	35	57	46	39	34	42	36	31	37	32	29	33	29	26	24																												
8	57	44	36	31	53	42	35	30	38	32	28	34	29	26	31	27	24	21																												
9	53	41	33	28	50	39	32	27	35	29	25	32	27	23	28	24	21	19																												
10	50	37	30	25	47	36	29	24	32	27	23	29	24	21	26	22	19	18																												

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10715	10715	10715
5°	10664	10672	10737
10°	10618	10602	10602
15°	10455	10455	10392
20°	10286	10180	10087
25°	10022	9896	9720
30°	9777	9522	9294
35°	9519	9166	8841
40°	9176	8739	8361
45°	8865	8359	7843
50°	8545	7906	7338
55°	8196	7467	6857
60°	7821	7014	6315
65°	7380	6498	5743
70°	6873	5893	5116
75°	6232	5174	4555
80°	5431	4336	4030
85°	4187	3667	3667

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8865 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.7	2.6
10°-20°	502.1	7.3
20°-30°	729.2	10.6
30°-40°	829.0	12.0
40°-50°	804.8	11.7
50°-60°	679.5	9.8
60°-70°	483.4	7.0
70°-80°	258.3	3.7
80°-90°	68.2	1.0
90°-100°	38.8	0.6
100°-110°	151.9	2.2
110°-120°	270.8	3.9
120°-130°	366.4	5.3
130°-140°	421.3	6.1
140°-150°	422.7	6.1
150°-160°	363.5	5.3
160°-170°	246.1	3.6
170°-180°	86.8	1.3
0°-30°	1410.0	20.4
0°-40°	2239.0	32.4
0°-60°	3723.3	53.9
0°-90°	4533.2	65.7
90°-120°	461.5	6.7
90°-150°	1671.9	24.2
90°-180°	2368.0	34.3
0°-180°	6901.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1894	1894	1894	1894	1894	
5°	1878	1902	1879	1877	1891	178
15°	1785	1801	1785	1774	1774	503
25°	1606	1611	1585	1564	1557	740
35°	1378	1365	1327	1288	1280	859
45°	1108	1091	1045	995	980	855
55°	831	809	757	708	695	743
65°	551	532	485	442	429	546
75°	285	269	237	212	208	304
85°	64	59	56	56	56	76
90°	0	0	0	0	0	4
95°	37	34	30	28	29	43
105°	147	147	142	140	138	157
115°	276	278	271	271	270	274
125°	412	416	408	407	407	368
135°	548	554	545	541	546	423
145°	679	685	674	670	676	424
155°	793	800	786	783	791	365
165°	875	883	871	866	875	247
175°	917	925	912	907	910	87
180°	919	919	919	919	919	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1894.0	1894.0	1894.0	1894.0	1894.0
2.5°	1884.4	1903.3	1886.5	1888.8	1893.0
5°	1877.9	1901.6	1879.3	1876.9	1890.7
7.5°	1863.4	1885.0	1861.8	1856.4	1868.2
10°	1848.3	1872.0	1845.6	1839.1	1845.6
12.5°	1821.4	1846.2	1825.2	1814.3	1819.8
15°	1785.1	1800.9	1785.1	1774.4	1774.4
17.5°	1740.8	1757.3	1727.6	1720.0	1716.9
20°	1708.5	1722.9	1691.0	1680.1	1675.5
22.5°	1665.4	1678.9	1652.3	1633.3	1628.2
25°	1605.6	1610.8	1585.4	1563.7	1557.2
27.5°	1546.1	1547.5	1512.5	1486.2	1477.6
30°	1496.7	1498.0	1457.7	1429.3	1422.7
32.5°	1447.2	1443.2	1404.9	1371.2	1366.8
35°	1378.3	1365.2	1327.2	1288.0	1280.2
37.5°	1295.2	1287.3	1242.5	1203.2	1191.4
40°	1242.5	1229.4	1183.3	1144.1	1132.2
42.5°	1189.8	1174.5	1127.4	1083.8	1070.9
45°	1108.0	1090.9	1044.8	994.8	980.3
47.5°	1025.7	1007.1	956.4	907.8	891.8
50°	970.9	951.2	898.3	850.8	833.7
52.5°	914.9	894.2	841.2	792.8	778.9
55°	831.0	808.7	757.1	708.4	695.2
57.5°	747.1	725.0	673.7	627.6	611.8
60°	691.2	670.1	619.9	573.8	558.1
62.5°	634.2	614.2	565.0	520.1	505.3
65°	551.3	531.6	485.4	442.1	429.0
67.5°	469.3	452.5	406.9	367.1	356.6
70°	415.5	399.7	356.3	319.8	309.3
72.5°	363.9	347.0	305.8	274.7	267.3
75°	285.1	269.3	236.7	212.4	208.4
77.5°	213.0	200.1	171.9	158.1	156.0
80°	166.7	154.9	133.1	123.7	123.7
82.5°	123.7	114.0	99.8	95.7	95.7
85°	64.5	59.3	56.5	56.5	56.5
87.5°	19.4	19.4	18.3	17.2	17.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	10.1	9.0	5.6	4.5	4.5
95°	37.3	33.9	30.3	28.2	28.9
97.5°	68.9	65.6	61.2	59.1	59.6
100°	90.9	88.1	83.1	81.0	81.0
102.5°	112.3	110.7	105.7	103.6	104.1
105°	147.3	146.6	141.6	139.5	138.1
107.5°	185.9	184.6	179.1	178.9	177.7
110°	210.7	210.0	205.0	204.3	203.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	236.0	237.0	231.5	230.8	230.1
115°	276.2	277.6	271.3	270.6	269.9
117.5°	317.4	319.3	312.6	311.8	310.6
120°	343.8	348.0	339.6	338.9	338.2
122.5°	370.9	374.5	366.7	365.4	365.3
125°	411.5	416.3	408.0	406.6	407.3
127.5°	452.1	457.0	449.3	446.5	448.0
130°	479.1	484.6	476.3	473.5	475.6
132.5°	506.8	512.3	503.9	501.2	504.4
135°	548.2	553.7	544.7	540.6	546.1
137.5°	588.6	593.4	583.6	580.7	586.5
140°	615.1	619.9	609.5	606.1	613.0
142.5°	641.0	646.4	634.8	631.5	638.9
145°	679.2	684.7	673.6	670.2	676.4
147.5°	715.9	721.5	710.2	706.3	712.6
150°	738.4	744.6	732.8	729.4	736.3
152.5°	760.4	767.2	754.8	750.9	759.4
155°	792.7	799.6	786.3	783.0	791.3
157.5°	821.7	828.0	816.1	812.7	819.9
160°	839.2	846.1	833.5	830.2	838.5
162.5°	854.4	861.3	849.9	845.4	853.7
165°	875.1	882.7	870.9	866.2	875.1
167.5°	892.5	900.6	888.1	883.8	892.7
170°	902.6	910.2	897.7	892.2	901.2
172.5°	909.4	916.9	904.4	898.9	905.1
175°	916.7	925.0	912.5	906.9	910.3
177.5°	919.9	926.5	916.5	911.7	919.4
180°	918.8	918.8	918.8	918.8	918.8

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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	16.73	17.73	17.54	18.57	19.59	15.65	16.65	16.46	17.49	18.52
	3H	18.40	19.31	19.23	20.15	21.21	17.07	17.98	17.90	18.82	19.88
	4H	19.04	19.89	19.88	20.74	21.81	17.60	18.45	18.44	19.30	20.37
	6H	19.43	20.22	20.29	21.08	22.16	17.92	18.71	18.78	19.57	20.65
	8H	19.57	20.32	20.44	21.20	22.28	18.05	18.80	18.91	19.67	20.75
	12H	19.65	20.36	20.52	21.23	22.34	18.13	18.84	19.00	19.71	20.82
4H	2H	17.15	18.00	18.00	18.85	19.92	16.29	17.15	17.14	18.00	19.06
	3H	19.05	19.76	19.91	20.65	21.73	17.93	18.64	18.78	19.52	20.60
	4H	19.81	20.46	20.68	21.34	22.45	18.54	19.18	19.41	20.06	21.18
	6H	20.32	20.88	21.21	21.78	22.90	18.96	19.52	19.84	20.42	21.53
	8H	20.51	21.04	21.40	21.93	23.06	19.13	19.65	20.02	20.55	21.68
	12H	20.62	21.09	21.53	22.01	23.14	19.24	19.71	20.15	20.63	21.76
8H	4H	19.95	20.47	20.84	21.37	22.50	18.81	19.33	19.70	20.23	21.36
	6H	20.57	21.01	21.49	21.95	23.07	19.35	19.78	20.26	20.72	21.84
	8H	20.85	21.23	21.78	22.17	23.31	19.60	19.98	20.52	20.91	22.06
	12H	21.02	21.36	21.95	22.28	23.48	19.78	20.12	20.71	21.04	22.24
12H	4H	19.93	20.40	20.84	21.32	22.45	18.82	19.29	19.73	20.21	21.34
	6H	20.59	20.97	21.52	21.91	23.05	19.40	19.79	20.33	20.72	21.86
	8H	20.90	21.24	21.83	22.16	23.36	19.69	20.03	20.62	20.95	22.15