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: P1439166

Luminaire Tested: CB3-055U-030D-840-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method:	LM-79-2024
Report Number:	P1439166
	REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)
Test Lab:	INNOVATION CENTER
Issue Date:	3/31/2026
Manufacturer:	COOPER LIGHTING SOLUTIONS
Product Line:	CORELITE
Catalog Number:	CB3-055U-030D-840-1D-UNV-STD-W-8
Description:	CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT 3-INCH APERTURE DOWNLIGHT 300 LUMENS PER FOOT UPLIGHT 550 LUMENS PER FOOT
Light Source:	4000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7402.9 lumens
Efficiency:	N/A
Efficacy:	139.2 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-Indirect
Input Watts (W):	53.2
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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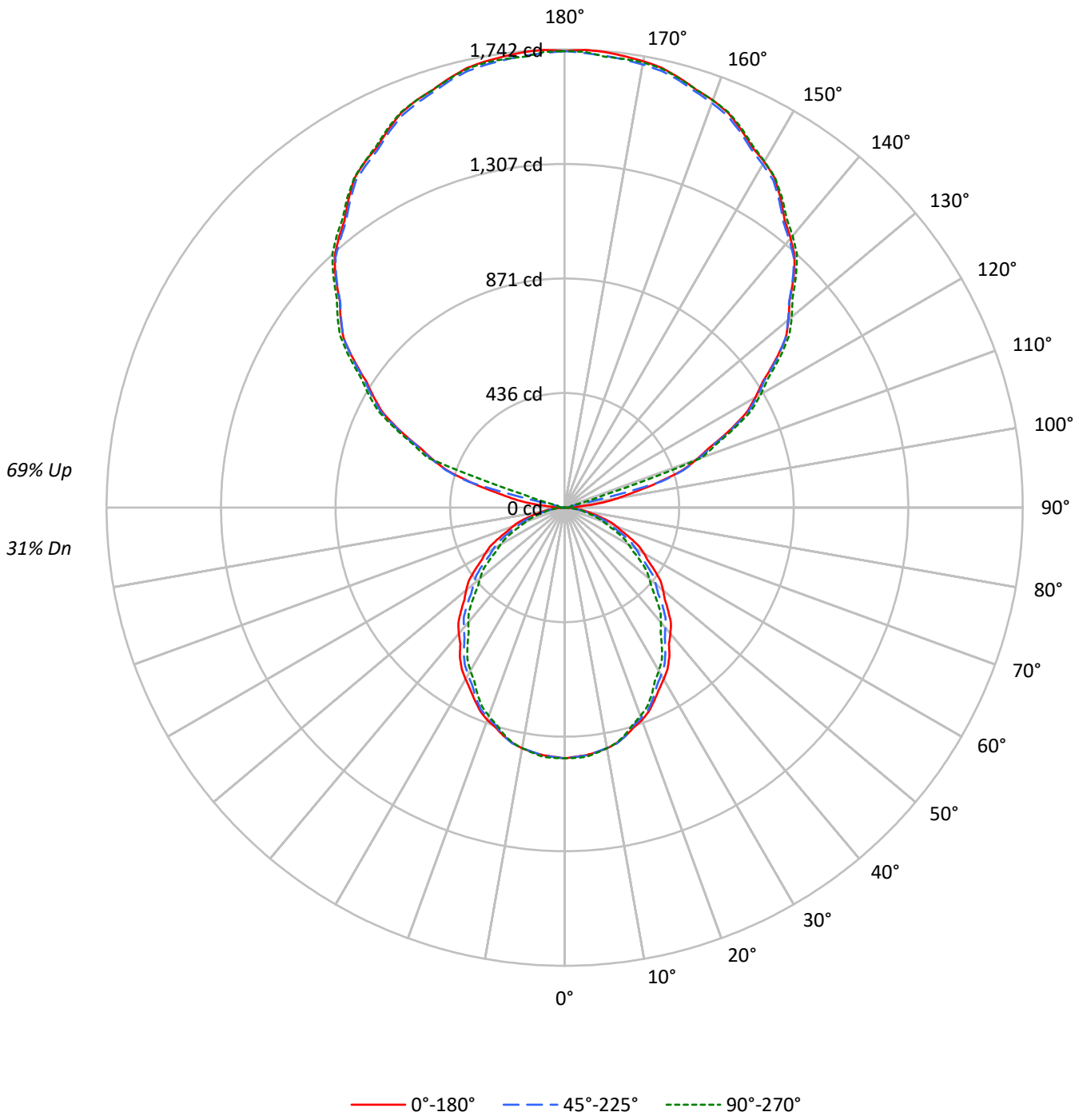
Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20			20			20			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	103	103	103	103	92	92	92	92	73	73	73	55	55	55	39	39	39	31
1	94	89	86	82	84	81	77	75	64	62	60	48	47	46	34	33	33	26
2	85	78	72	67	76	70	66	61	56	53	50	43	40	38	30	29	28	22
3	78	69	62	56	70	62	56	51	49	45	42	38	35	33	27	25	24	19
4	71	61	53	47	64	55	48	43	44	39	36	34	30	28	24	22	20	16
5	65	54	46	41	58	49	42	37	39	34	31	30	27	24	22	20	18	14
6	60	48	41	35	54	44	37	32	35	30	27	27	24	21	20	17	16	13
7	55	44	36	31	50	40	33	28	32	27	23	25	21	19	18	16	14	11
8	51	40	32	27	46	36	29	25	29	24	21	23	19	17	16	14	13	10
9	48	36	29	24	43	33	26	22	27	22	18	21	17	15	15	13	11	9
10	45	33	26	21	40	30	24	20	24	20	17	19	16	13	14	12	10	8

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5391	5391	5391
5°	5365	5369	5399
10°	5341	5334	5334
15°	5259	5259	5228
20°	5174	5122	5076
25°	5044	4981	4892
30°	4920	4792	4677
35°	4791	4613	4450
40°	4618	4398	4208
45°	4461	4207	3947
50°	4300	3979	3693
55°	4125	3758	3451
60°	3935	3530	3177
65°	3715	3270	2890
70°	3459	2966	2575
75°	3137	2603	2293
80°	2733	2183	2030
85°	2110	1843	1843

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 4461 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.9	1.2
10°-20°	252.6	3.4
20°-30°	367.0	5.0
30°-40°	417.2	5.6
40°-50°	405.0	5.5
50°-60°	342.0	4.6
60°-70°	243.3	3.3
70°-80°	130.0	1.8
80°-90°	34.4	0.5
90°-100°	40.1	0.5
100°-110°	290.2	3.9
110°-120°	690.0	9.3
120°-130°	881.5	11.9
130°-140°	950.9	12.8
140°-150°	896.4	12.1
150°-160°	731.3	9.9
160°-170°	476.5	6.4
170°-180°	164.7	2.2
0°-30°	709.4	9.6
0°-40°	1126.7	15.2
0°-60°	1873.6	25.3
0°-90°	2281.3	30.8
90°-120°	1020.3	13.8
90°-150°	3749.2	50.6
90°-180°	5122.0	69.2
0°-180°	7402.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	953	953	953	953	953	
5°	945	957	945	944	951	90
15°	898	906	898	893	893	253
25°	808	811	798	787	784	372
35°	694	687	668	648	644	432
45°	558	549	526	501	493	430
55°	418	407	381	356	350	374
65°	278	268	244	222	216	275
75°	144	136	119	107	105	153
85°	32	30	28	28	28	38
90°	0	0	0	1	0	4
95°	73	13	17	18	18	90
105°	368	373	378	28	29	388
115°	689	694	696	706	710	680
125°	980	986	983	994	1000	874
135°	1231	1237	1227	1236	1244	948
145°	1432	1441	1423	1432	1440	896
155°	1586	1599	1577	1581	1592	732
165°	1691	1700	1682	1677	1688	477
175°	1739	1748	1725	1716	1721	165
180°	1735	1735	1735	1735	1735	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	952.9	*952.9*	952.9	952.9	952.9
2.5°	948.0	*957.5*	949.1	950.2	952.3
5°	944.7	*956.6*	945.4	944.2	950.8
7.5°	937.4	*948.3*	936.6	933.9	939.9
10°	929.8	*941.8*	928.5	925.2	928.5
12.5°	916.3	*928.7*	918.2	912.7	915.5
15°	898.0	*906.0*	898.0	892.6	892.6
17.5°	875.7	*884.0*	869.1	865.3	863.8
20°	859.5	*866.7*	850.7	845.2	843.2
22.5°	837.8	*844.6*	831.2	821.9	819.4
25°	808.0	*810.7*	797.9	787.0	783.7
27.5°	778.1	*778.8*	761.2	748.0	743.6
30°	753.2	*753.9*	733.6	719.3	716.0
32.5°	728.3	*726.3*	707.1	690.1	687.8
35°	693.7	*687.0*	667.9	648.2	644.3
37.5°	651.8	*647.9*	625.3	605.5	599.6
40°	625.3	*618.7*	595.5	575.8	569.8
42.5°	598.8	*591.1*	567.4	545.4	539.0
45°	557.6	*549.0*	525.8	500.6	493.3
47.5°	516.2	*506.8*	481.3	456.9	448.8
50°	488.6	*478.7*	452.1	428.2	419.6
52.5°	460.5	*450.0*	423.4	399.0	392.0
55°	418.2	*407.0*	381.0	356.5	349.9
57.5°	376.0	*364.9*	339.0	315.9	307.9
60°	347.8	*337.3*	312.0	288.8	280.8
62.5°	319.2	*309.1*	284.4	261.7	254.3
65°	277.5	*267.5*	244.3	222.5	215.9
67.5°	236.2	*227.7*	204.8	184.8	179.5
70°	209.1	*201.2*	179.3	160.9	155.7
72.5°	183.1	*174.7*	153.9	138.2	134.5
75°	143.5	*135.5*	119.1	106.9	104.9
77.5°	107.2	*100.7*	86.5	79.6	78.5
80°	83.9	*78.0*	67.0	62.3	62.3
82.5°	62.3	*57.4*	50.2	48.2	48.2
85°	32.5	*29.8*	28.4	28.4	28.4
87.5°	9.7	*9.7*	9.2	8.9	8.7
90°	0.0	*0.0*	0.0	1.3	0.0
92.5°	19.9	*7.6*	6.3	7.6	7.3
95°	73.2	*13.1*	17.0	18.3	18.3
97.5°	147.5	*144.7*	19.9	23.8	24.1
100°	204.0	*210.4*	20.9	24.9	26.2
102.5°	266.8	*272.2*	38.7	25.9	27.2
105°	367.5	*372.6*	377.9	27.5	28.8
107.5°	467.7	*471.5*	475.0	427.6	160.1
110°	533.6	*537.4*	538.8	551.9	554.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	595.3	*600.2*	602.6	613.7	618.3
115°	689.2	*694.3*	695.7	706.3	710.1
117.5°	778.4	*783.8*	786.2	794.7	800.9
120°	837.0	*843.4*	844.8	855.4	860.5
122.5°	894.5	*901.9*	901.3	910.9	918.1
125°	979.5	*985.9*	983.4	994.1	1000.4
127.5°	1060.3	*1064.2*	1058.8	1071.7	1077.1
130°	1111.6	*1115.4*	1109.0	1120.9	1127.3
132.5°	1158.7	*1164.6*	1157.1	1168.0	1174.4
135°	1230.6	*1237.0*	1226.7	1236.0	1243.7
137.5°	1294.7	*1302.4*	1290.0	1300.9	1307.5
140°	1336.5	*1344.2*	1328.7	1340.6	1348.3
142.5°	1375.3	*1385.0*	1366.4	1377.3	1386.0
145°	1432.0	*1441.0*	1422.9	1432.2	1439.9
147.5°	1485.9	*1493.6*	1476.2	1482.9	1488.2
150°	1518.3	*1526.0*	1506.6	1513.2	1519.6
152.5°	1544.5	*1555.2*	1535.8	1540.5	1550.0
155°	1586.3	*1599.1*	1577.2	1581.3	1591.6
157.5°	1624.8	*1636.3*	1614.3	1617.9	1626.9
160°	1647.8	*1659.3*	1637.3	1638.8	1647.8
162.5°	1665.6	*1676.1*	1657.2	1654.6	1665.6
165°	1690.9	*1699.9*	1681.8	1676.8	1688.3
167.5°	1712.1	*1722.4*	1700.1	1696.0	1709.0
170°	1723.6	*1733.9*	1710.6	1704.3	1718.4
172.5°	1731.0	*1740.2*	1717.9	1709.5	1720.5
175°	1739.3	*1748.3*	1724.9	1715.9	1721.0
177.5°	*1741.7*	*1748.8*	*1730.2*	*1722.1*	*1734.4*
180°	1735.4	*1735.4*	1735.4	1735.4	1735.4

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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	10.90	11.60	12.00	12.70	14.23	9.82	10.52	10.93	11.63	13.15
	3H	12.55	13.18	13.67	14.29	15.83	11.22	11.85	12.34	12.96	14.50
	4H	13.17	13.77	14.30	14.88	16.43	11.73	12.33	12.86	13.44	14.98
	6H	13.55	14.10	14.69	15.22	16.77	12.04	12.59	13.17	13.70	15.26
	8H	13.68	14.21	14.82	15.34	16.89	12.16	12.68	13.30	13.81	15.36
	12H	13.75	14.24	14.89	15.37	16.94	12.23	12.73	13.37	13.85	15.42
4H	2H	11.28	11.88	12.42	13.00	14.54	10.43	11.03	11.56	12.14	13.68
	3H	13.16	13.66	14.30	14.80	16.35	12.03	12.53	13.17	13.67	15.22
	4H	13.90	14.36	15.04	15.49	17.06	12.63	13.09	13.77	14.22	15.79
	6H	14.40	14.79	15.54	15.94	17.51	13.03	13.43	14.18	14.58	16.14
	8H	14.58	14.95	15.73	16.09	17.68	13.20	13.57	14.35	14.71	16.29
	12H	14.67	15.01	15.84	16.16	17.75	13.30	13.63	14.46	14.78	16.37
8H	4H	14.02	14.39	15.17	15.53	17.11	12.88	13.25	14.03	14.39	15.97
	6H	14.63	14.93	15.80	16.12	17.70	13.40	13.71	14.57	14.89	16.47
	8H	14.91	15.17	16.08	16.33	17.93	13.65	13.92	14.83	15.08	16.68
	12H	15.06	15.30	16.24	16.46	18.09	13.82	14.05	15.00	15.21	16.85
12H	4H	13.98	14.32	15.15	15.47	17.06	12.87	13.21	14.04	14.36	15.95
	6H	14.65	14.91	15.82	16.07	17.67	13.46	13.72	14.63	14.89	16.49
	8H	14.94	15.17	16.12	16.33	17.97	13.73	13.97	14.91	15.12	16.76

END OF REPORT