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: P1439124

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

Issue Date: 3/31/2026

Test Information

Test Method:	LM-79-2024
Report Number:	P1439124
	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:	CB3-030U-055D-840-1D-UNV-STD-W-8
Description:	CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT 3-INCH APERTURE DOWNLIGHT 550 LUMENS PER FOOT UPLIGHT 300 LUMENS PER FOOT
Light Source:	4000K CCT, 80 CRI LEDS
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	7011.0 lumens
Efficiency:	N/A
Efficacy:	138.6 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 (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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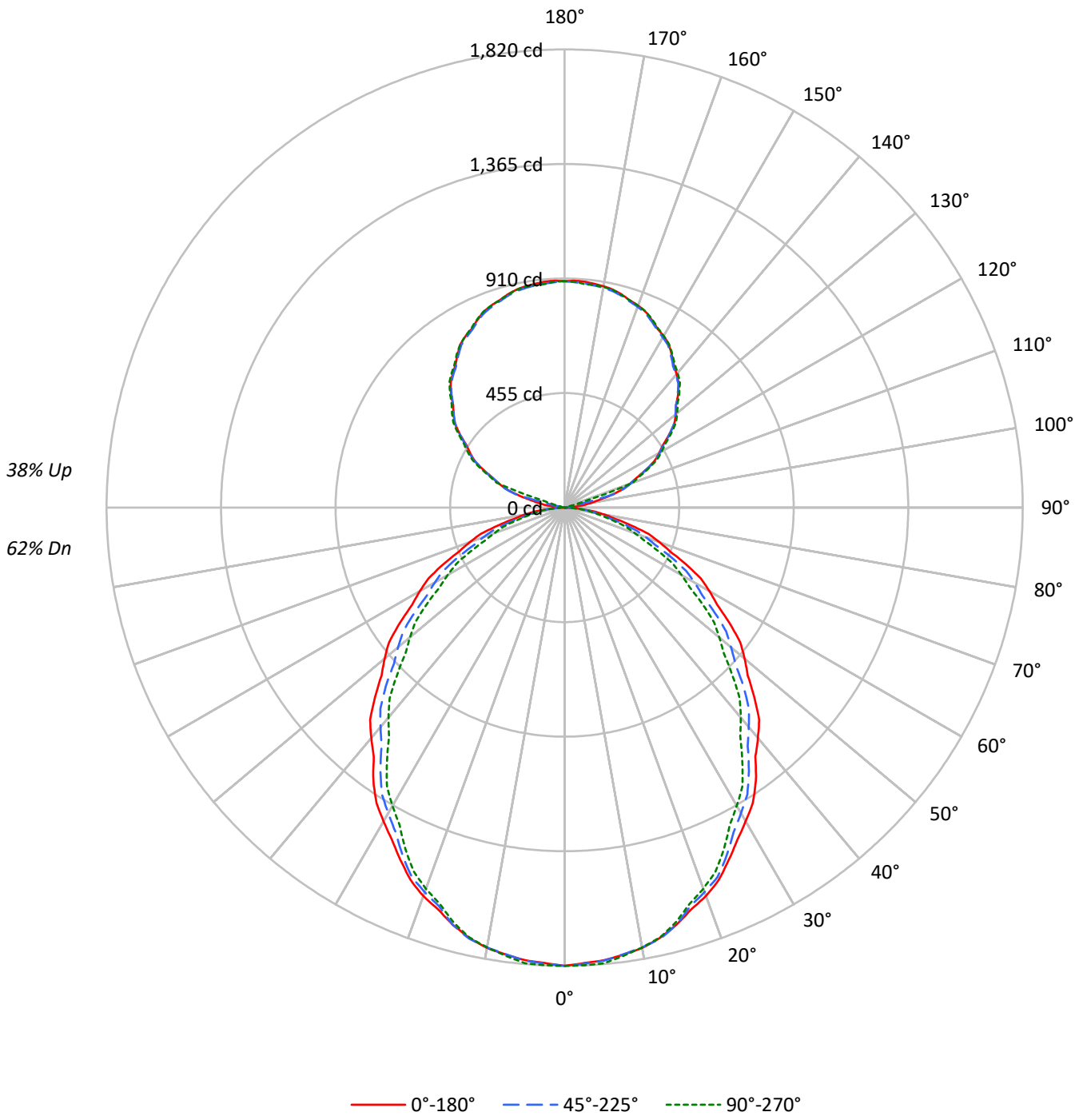
Luminous Intensity Polar Plot



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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	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67	62
1	101	96	93	89	94	91	87	84	79	77	75	69	67	66	60	59	57	53
2	92	84	78	73	86	79	74	69	70	66	62	61	58	55	53	51	49	45
3	84	74	67	61	78	70	64	58	62	57	53	54	50	47	47	44	42	38
4	77	66	58	52	72	62	55	50	55	49	45	48	44	40	42	39	36	33
5	71	59	51	45	66	56	48	43	49	44	39	44	39	35	38	35	32	29
6	65	53	45	39	61	50	43	37	45	39	34	40	35	31	35	31	28	25
7	61	48	40	34	57	46	38	33	41	35	30	36	31	28	32	28	25	22
8	56	44	36	31	53	42	34	29	37	31	27	33	28	25	29	25	22	20
9	52	40	33	27	49	38	31	26	34	28	24	31	26	22	27	23	20	18
10	49	37	30	25	46	35	28	24	32	26	22	28	24	20	25	21	18	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10298	10298	10298
5°	10249	10257	10315
10°	10204	10190	10190
15°	10048	10048	9987
20°	9885	9784	9698
25°	9635	9514	9345
30°	9400	9155	8935
35°	9152	8812	8500
40°	8822	8402	8039
45°	8523	8037	7541
50°	8215	7601	7055
55°	7881	7179	6593
60°	7519	6743	6070
65°	7096	6247	5521
70°	6608	5667	4918
75°	5991	4973	4380
80°	5222	4170	3874
85°	4031	3525	3525

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 8523 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.7	2.4
10°-20°	482.5	6.9
20°-30°	701.0	10.0
30°-40°	797.0	11.4
40°-50°	773.7	11.0
50°-60°	653.3	9.3
60°-70°	464.8	6.6
70°-80°	248.3	3.5
80°-90°	65.6	0.9
90°-100°	20.8	0.3
100°-110°	150.3	2.1
110°-120°	357.4	5.1
120°-130°	456.6	6.5
130°-140°	492.5	7.0
140°-150°	464.3	6.6
150°-160°	378.8	5.4
160°-170°	246.8	3.5
170°-180°	85.3	1.2
0°-30°	1355.3	19.3
0°-40°	2152.3	30.7
0°-60°	3579.3	51.1
0°-90°	4358.1	62.2
90°-120°	528.5	7.5
90°-150°	1942.1	27.7
90°-180°	2653.0	37.8
0°-180°	7011.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1820	1820	1820	1820	1820	
5°	1805	1828	1806	1804	1816	171
15°	1716	1731	1716	1705	1705	483
25°	1544	1549	1524	1503	1497	711
35°	1325	1312	1276	1238	1231	826
45°	1065	1049	1004	956	942	822
55°	799	778	728	681	668	714
65°	530	511	467	425	412	525
75°	274	259	228	204	200	292
85°	62	57	54	54	54	74
90°	0	0	0	1	0	4
95°	38	7	9	10	10	47
105°	190	193	196	14	15	201
115°	357	360	360	366	368	352
125°	507	511	509	515	518	453
135°	638	641	635	640	644	491
145°	742	746	737	742	746	464
155°	822	828	817	819	824	379
165°	876	880	871	869	874	247
175°	901	906	894	889	892	86
180°	899	899	899	899	899	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1820.3	*1820.3*	1820.3	1820.3	1820.3
2.5°	*1811.0*	*1829.2*	*1813.1*	*1815.2*	*1819.3*
5°	1804.8	*1827.5*	1806.1	1803.8	1816.4
7.5°	1790.8	*1811.6*	1789.3	1784.1	1795.5
10°	1776.3	*1799.1*	1773.8	1767.4	1773.8
12.5°	1750.5	*1774.2*	1754.1	1743.6	1748.9
15°	1715.6	*1730.7*	1715.6	1705.2	1705.2
17.5°	1672.9	*1688.8*	1660.2	1652.9	1650.2
20°	1641.9	*1655.8*	1625.1	1614.7	1610.9
22.5°	1600.5	*1613.4*	1587.8	1570.2	1565.4
25°	1543.6	*1548.7*	1524.2	1503.4	1497.1
27.5°	1486.5	*1487.8*	1454.2	1428.9	1420.6
30°	1438.9	*1440.2*	1401.4	1374.1	1367.8
32.5°	1391.3	*1387.5*	1350.7	1318.3	1314.0
35°	1325.1	*1312.5*	1276.0	1238.4	1230.8
37.5°	1245.2	*1237.7*	1194.6	1156.8	1145.4
40°	1194.6	*1181.9*	1137.7	1099.9	1088.6
42.5°	1143.9	*1129.2*	1083.9	1042.0	1029.6
45°	1065.3	*1048.9*	1004.5	956.4	942.5
47.5°	986.2	*968.2*	919.5	872.8	857.4
50°	933.4	*914.5*	863.6	818.0	801.6
52.5°	879.6	*859.7*	808.8	762.2	748.8
55°	799.0	*777.5*	727.9	681.0	668.4
57.5°	718.3	*697.1*	647.7	603.4	588.2
60°	664.5	*644.3*	596.0	551.7	536.5
62.5°	609.7	*590.5*	543.2	500.0	485.8
65°	530.1	*511.1*	466.7	425.1	412.4
67.5°	451.2	*435.0*	391.2	353.0	342.9
70°	399.5	*384.3*	342.6	307.5	297.3
72.5°	349.8	*333.7*	294.0	264.1	257.0
75°	274.1	*258.9*	227.5	204.2	200.4
77.5°	204.8	*192.4*	165.2	152.0	150.0
80°	160.3	*148.9*	128.0	118.9	118.9
82.5°	118.9	*109.6*	95.9	92.0	92.0
85°	62.1	*57.0*	54.3	54.3	54.3
87.5°	18.6	*18.6*	17.6	16.7	16.5
90°	0.0	*0.0*	0.0	0.7	0.0
92.5°	10.3	*3.9*	3.3	3.9	3.8
95°	37.9	*6.8*	8.8	9.5	9.5
97.5°	76.4	*75.0*	10.3	12.3	12.5
100°	105.7	*109.0*	10.8	12.9	13.5
102.5°	138.2	*141.0*	20.1	13.4	14.1
105°	190.4	*193.0*	195.8	14.2	14.9
107.5°	242.2	*244.2*	246.0	221.5	82.9
110°	276.4	*278.4*	279.1	285.9	287.2

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	308.4	*310.9*	312.2	317.9	320.3
115°	357.0	*359.7*	360.4	365.9	367.8
117.5°	403.2	*406.0*	407.3	411.7	414.9
120°	433.5	*436.9*	437.6	443.1	445.7
122.5°	463.4	*467.2*	466.9	471.8	475.5
125°	507.4	*510.7*	509.4	514.9	518.2
127.5°	549.3	*551.2*	548.4	555.1	557.9
130°	575.8	*577.8*	574.5	580.6	583.9
132.5°	600.2	*603.2*	599.4	605.0	608.3
135°	637.5	*640.8*	635.4	640.3	644.2
137.5°	670.6	*674.6*	668.2	673.8	677.3
140°	692.3	*696.3*	688.3	694.4	698.4
142.5°	712.4	*717.4*	707.8	713.4	717.9
145°	741.8	*746.4*	737.0	741.9	745.8
147.5°	769.7	*773.7*	764.7	768.1	770.9
150°	786.5	*790.5*	780.4	783.9	787.2
152.5°	800.0	*805.6*	795.6	798.0	802.9
155°	821.7	*828.3*	817.0	819.1	824.4
157.5°	841.6	*847.6*	836.2	838.1	842.7
160°	853.5	*859.5*	848.1	848.9	853.5
162.5°	862.8	*868.2*	858.4	857.1	862.8
165°	875.9	*880.5*	871.2	868.6	874.5
167.5°	886.9	*892.2*	880.6	878.5	885.3
170°	892.8	*898.1*	886.1	882.8	890.1
172.5°	896.6	*901.4*	889.9	885.5	891.2
175°	901.0	*905.6*	893.5	888.8	891.5
177.5°	902.2	*905.9*	896.2	892.0	898.4
180°	898.9	*898.9*	898.9	898.9	898.9

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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	16.31	17.27	17.15	18.14	19.23	15.23	16.20	16.08	17.06	18.15
	3H	17.98	18.85	18.84	19.73	20.84	16.65	17.52	17.51	18.40	19.51
	4H	18.62	19.44	19.49	20.32	21.44	17.17	17.99	18.05	18.88	20.00
	6H	19.01	19.76	19.90	20.65	21.79	17.50	18.25	18.38	19.14	20.28
	8H	19.15	19.87	20.04	20.78	21.91	17.62	18.34	18.52	19.25	20.39
	12H	19.22	19.90	20.12	20.81	21.97	17.70	18.39	18.60	19.29	20.45
4H	2H	16.73	17.55	17.61	18.43	19.56	15.87	16.69	16.75	17.57	18.70
	3H	18.63	19.31	19.52	20.23	21.37	17.50	18.18	18.39	19.10	20.24
	4H	19.38	20.00	20.28	20.91	22.08	18.11	18.73	19.01	19.64	20.81
	6H	19.89	20.42	20.81	21.36	22.53	18.53	19.06	19.45	20.00	21.17
	8H	20.08	20.58	21.00	21.51	22.69	18.70	19.20	19.62	20.13	21.31
	12H	20.18	20.64	21.12	21.58	22.77	18.81	19.26	19.75	20.21	21.40
8H	4H	19.52	20.02	20.44	20.95	22.13	18.38	18.88	19.30	19.81	20.99
	6H	20.14	20.56	21.09	21.53	22.71	18.91	19.33	19.86	20.30	21.48
	8H	20.42	20.78	21.37	21.75	22.94	19.16	19.53	20.12	20.49	21.69
	12H	20.59	20.91	21.55	21.86	23.11	19.35	19.67	20.31	20.62	21.87
12H	4H	19.50	19.95	20.44	20.90	22.08	18.39	18.84	19.33	19.79	20.97
	6H	20.16	20.53	21.12	21.49	22.69	18.97	19.34	19.93	20.30	21.50
	8H	20.46	20.79	21.42	21.74	22.99	19.26	19.58	20.22	20.53	21.78

END OF REPORT