

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: P1439162

Luminaire Tested: CB3-055U-030D-830-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439162
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-830-1D-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

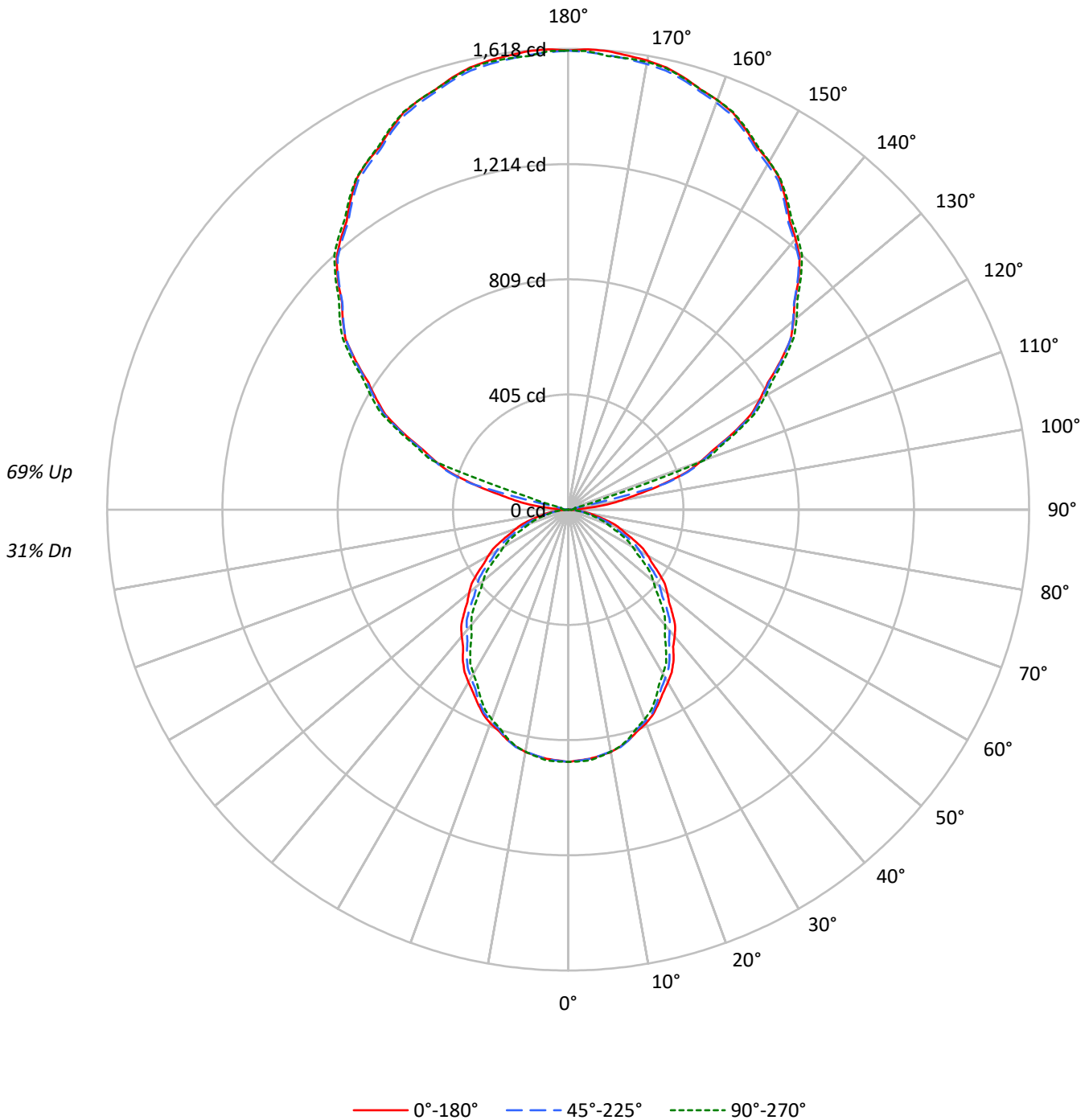
Lumens per Lamp: N/A
Luminaire Lumens: 6876.9 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 53.2
Input Voltage (V): 120
Input Current (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	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°	5008	5008	5008
5°	4984	4987	5016
10°	4962	4955	4955
15°	4886	4886	4857
20°	4807	4757	4716
25°	4685	4627	4544
30°	4571	4452	4345
35°	4450	4285	4133
40°	4290	4085	3909
45°	4144	3908	3667
50°	3995	3696	3431
55°	3832	3491	3206
60°	3656	3279	2952
65°	3451	3037	2684
70°	3214	2756	2392
75°	2914	2418	2129
80°	2541	2026	1883
85°	1960	1714	1714

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4144 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.5	1.2
10°-20°	234.6	3.4
20°-30°	340.9	5.0
30°-40°	387.6	5.6
40°-50°	376.2	5.5
50°-60°	317.7	4.6
60°-70°	226.0	3.3
70°-80°	120.7	1.8
80°-90°	32.0	0.5
90°-100°	37.2	0.5
100°-110°	269.6	3.9
110°-120°	641.0	9.3
120°-130°	818.9	11.9
130°-140°	883.3	12.8
140°-150°	832.7	12.1
150°-160°	679.3	9.9
160°-170°	442.6	6.4
170°-180°	153.0	2.2
0°-30°	659.0	9.6
0°-40°	1046.6	15.2
0°-60°	1740.5	25.3
0°-90°	2119.2	30.8
90°-120°	947.8	13.8
90°-150°	3482.8	50.6
90°-180°	4758.0	69.2
0°-180°	6876.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	885	885	885	885	885	
5°	878	889	878	877	883	83
15°	834	842	834	829	829	235
25°	751	753	741	731	728	346
35°	644	638	620	602	598	402
45°	518	510	488	465	458	400
55°	388	378	354	331	325	347
65°	258	248	227	207	200	255
75°	133	126	111	99	97	142
85°	30	28	26	26	26	36
90°	0	0	0	1	0	4
95°	68	12	16	17	17	84
105°	341	346	351	26	27	360
115°	640	645	646	656	660	632
125°	910	916	914	923	929	812
135°	1143	1149	1140	1148	1155	880
145°	1330	1339	1322	1330	1338	832
155°	1474	1486	1465	1469	1478	680
165°	1571	1579	1562	1558	1568	444
175°	1616	1624	1602	1594	1599	154
180°	1612	1612	1612	1612	1612	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	885.2	885.2	885.2	885.2	885.2
2.5°	880.6	889.5	881.6	882.7	884.7
5°	877.6	888.7	878.2	877.1	883.3
7.5°	870.8	880.9	870.1	867.6	873.1
10°	863.8	874.8	862.5	859.5	862.5
12.5°	851.2	862.8	853.0	847.9	850.5
15°	834.2	841.6	834.2	829.2	829.2
17.5°	813.5	821.2	807.3	803.8	802.4
20°	798.4	805.2	790.2	785.2	783.3
22.5°	778.3	784.6	772.1	763.5	761.2
25°	750.6	753.1	741.2	731.1	728.0
27.5°	722.8	723.5	707.1	694.8	690.8
30°	699.7	700.3	681.5	668.2	665.1
32.5°	676.6	674.7	656.8	641.1	639.0
35°	644.4	638.2	620.5	602.2	598.5
37.5°	605.5	601.8	580.9	562.5	557.0
40°	580.9	574.7	553.2	534.9	529.3
42.5°	556.2	549.1	527.1	506.7	500.7
45°	518.0	510.0	488.5	465.1	458.3
47.5°	479.5	470.8	447.1	424.4	416.9
50°	453.9	444.7	419.9	397.8	389.8
52.5°	427.7	418.0	393.3	370.6	364.1
55°	388.5	378.1	353.9	331.2	325.0
57.5°	349.3	339.0	315.0	293.4	286.0
60°	323.1	313.3	289.8	268.3	260.9
62.5°	296.5	287.1	264.2	243.1	236.3
65°	257.8	248.5	226.9	206.7	200.5
67.5°	219.4	211.5	190.2	171.6	166.7
70°	194.3	186.9	166.6	149.5	144.6
72.5°	170.1	162.2	143.0	128.4	125.0
75°	133.3	125.9	110.6	99.3	97.4
77.5°	99.6	93.6	80.3	73.9	72.9
80°	78.0	72.4	62.2	57.8	57.8
82.5°	57.8	53.3	46.6	44.8	44.8
85°	30.2	27.7	26.4	26.4	26.4
87.5°	9.1	9.1	8.5	8.3	8.0
90°	0.0	0.0	0.0	1.2	0.0
92.5°	18.5	7.1	5.8	7.0	6.8
95°	68.0	12.2	15.8	17.0	17.0
97.5°	137.0	134.4	18.5	22.1	22.4
100°	189.5	195.5	19.4	23.1	24.3
102.5°	247.8	252.8	36.0	24.1	25.3
105°	341.4	346.1	351.1	25.5	26.7
107.5°	434.4	438.0	441.2	397.2	148.7
110°	495.7	499.2	500.5	512.7	515.1



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	553.0	557.5	559.8	570.1	574.4
115°	640.2	645.0	646.3	656.1	659.7
117.5°	723.1	728.1	730.4	738.3	744.0
120°	777.5	783.4	784.8	794.6	799.4
122.5°	831.0	837.9	837.3	846.2	852.8
125°	909.9	915.9	913.6	923.4	929.4
127.5°	985.0	988.6	983.5	995.6	1000.6
130°	1032.6	1036.2	1030.2	1041.3	1047.2
132.5°	1076.4	1081.8	1074.9	1085.0	1090.9
135°	1143.2	1149.1	1139.5	1148.2	1155.3
137.5°	1202.7	1209.8	1198.3	1208.4	1214.6
140°	1241.6	1248.7	1234.3	1245.4	1252.5
142.5°	1277.5	1286.6	1269.3	1279.4	1287.5
145°	1330.3	1338.6	1321.8	1330.4	1337.6
147.5°	1380.3	1387.4	1371.3	1377.5	1382.5
150°	1410.4	1417.6	1399.5	1405.7	1411.7
152.5°	1434.7	1444.7	1426.7	1431.1	1439.8
155°	1473.6	1485.5	1465.1	1469.0	1478.5
157.5°	1509.3	1520.0	1499.6	1503.0	1511.3
160°	1530.7	1541.4	1521.0	1522.4	1530.7
162.5°	1547.2	1557.0	1539.5	1537.0	1547.2
165°	1570.8	1579.1	1562.3	1557.7	1568.4
167.5°	1590.5	1600.0	1579.3	1575.5	1587.6
170°	1601.2	1610.7	1589.0	1583.3	1596.3
172.5°	1608.0	1616.5	1595.8	1588.1	1598.3
175°	1615.8	1624.1	1602.4	1594.0	1598.8
177.5°	1617.9	1624.6	1607.3	1599.7	1611.1
180°	1612.1	1612.1	1612.1	1612.1	1612.1



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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	10.64	11.35	11.75	12.45	13.97	9.56	10.27	10.67	11.37	12.89
	3H	12.29	12.93	13.41	14.04	15.58	10.96	11.59	12.08	12.70	14.24
	4H	12.92	13.52	14.04	14.63	16.17	11.47	12.07	12.60	13.18	14.73
	6H	13.29	13.85	14.43	14.96	16.52	11.78	12.33	12.92	13.45	15.00
	8H	13.43	13.95	14.57	15.08	16.63	11.90	12.42	13.04	13.55	15.10
	12H	13.49	13.99	14.63	15.11	16.68	11.97	12.47	13.11	13.59	15.16
4H	2H	11.03	11.63	12.16	12.74	14.28	10.17	10.77	11.30	11.88	13.42
	3H	12.90	13.40	14.04	14.54	16.10	11.77	12.27	12.91	13.41	14.97
	4H	13.65	14.11	14.79	15.23	16.81	12.37	12.83	13.52	13.96	15.54
	6H	14.14	14.53	15.29	15.68	17.25	12.78	13.17	13.93	14.32	15.89
	8H	14.33	14.69	15.48	15.84	17.42	12.94	13.31	14.09	14.45	16.04
	12H	14.42	14.75	15.58	15.90	17.49	13.04	13.37	14.21	14.53	16.12
8H	4H	13.76	14.13	14.91	15.27	16.85	12.62	12.99	13.77	14.13	15.72
	6H	14.38	14.68	15.54	15.86	17.44	13.14	13.45	14.31	14.63	16.21
	8H	14.65	14.91	15.82	16.08	17.68	13.40	13.66	14.57	14.82	16.42
	12H	14.81	15.04	15.98	16.20	17.83	13.57	13.80	14.74	14.96	16.59
12H	4H	13.73	14.06	14.89	15.21	16.80	12.62	12.95	13.78	14.10	15.69
	6H	14.39	14.66	15.57	15.82	17.42	13.20	13.46	14.37	14.63	16.23
	8H	14.68	14.92	15.86	16.07	17.71	13.48	13.71	14.65	14.87	16.50