

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: P1439546

Luminaire Tested: CB3-D-055U-085D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439546
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-055U-085D-927-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

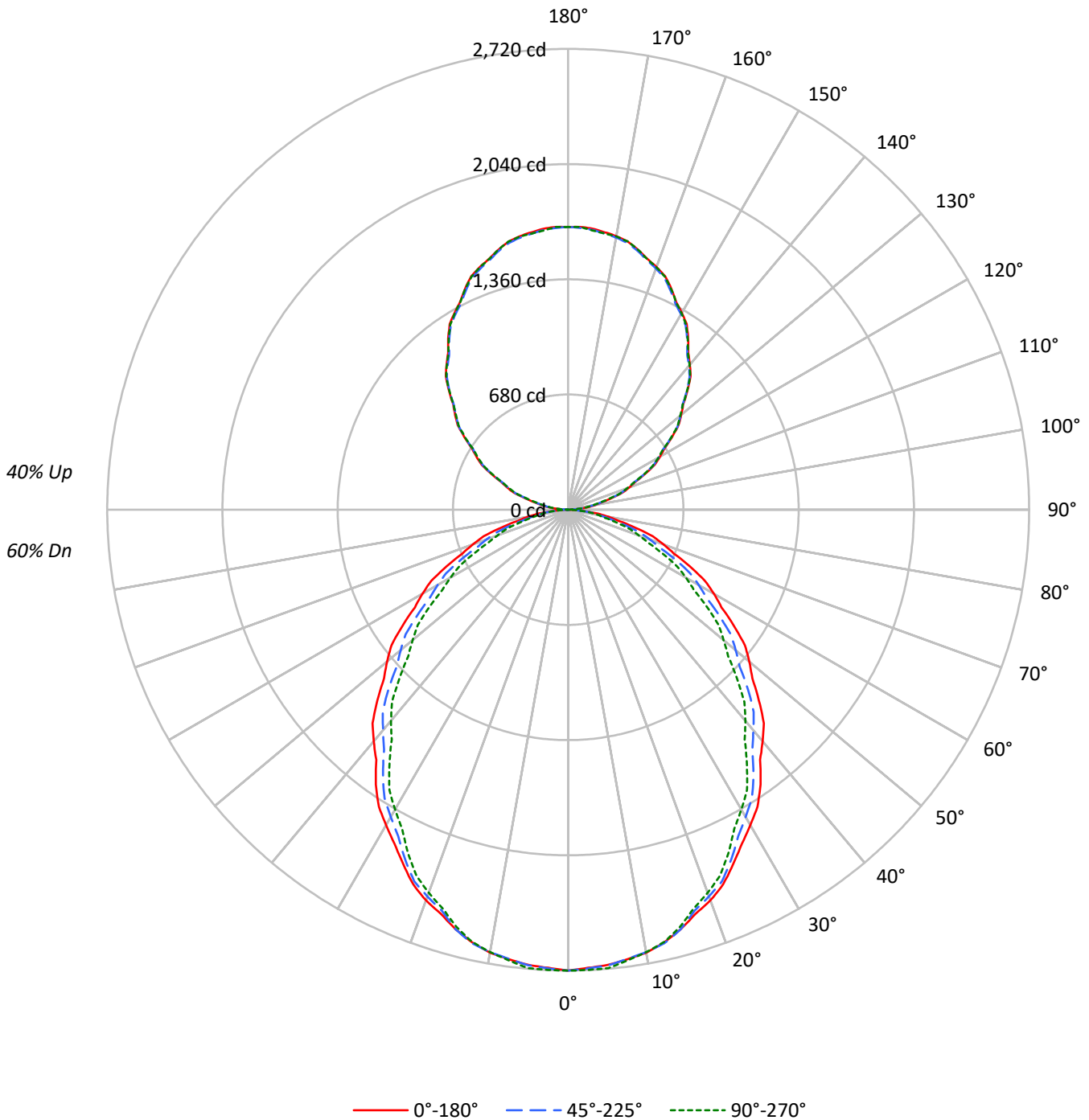
Lumens per Lamp: N/A
Luminaire Lumens: 10812.9 lumens
Efficiency: N/A
Efficacy: 122.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 88.5
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	110	110	110	110	102	102	102	102	89	89	89	77	77	77	66	66	66	66	66	66	66	66	66	66	66	66	66	66	66	60																
1	100	96	92	89	94	90	87	83	78	76	74	68	66	64	58	57	56	56	56	56	56	56	56	56	56	56	56	56	56	51																
2	92	84	78	73	85	79	73	69	69	65	61	60	57	54	52	49	47	47	47	47	47	47	47	47	47	47	47	47	47	43																
3	84	74	67	61	78	70	63	58	61	56	52	53	49	46	46	43	41	41	41	41	41	41	41	41	41	41	41	41	41	37																
4	77	66	58	52	71	62	55	49	54	49	44	48	43	40	41	38	35	35	35	35	35	35	35	35	35	35	35	35	35	32																
5	70	59	51	45	66	55	48	43	49	43	38	43	38	35	37	34	31	31	31	31	31	31	31	31	31	31	31	31	31	28																
6	65	53	45	39	61	50	42	37	44	38	34	39	34	30	34	30	27	27	27	27	27	27	27	27	27	27	27	27	27	24																
7	60	48	40	34	56	45	38	33	40	34	30	35	31	27	31	27	24	24	24	24	24	24	24	24	24	24	24	24	24	22																
8	56	44	36	30	52	41	34	29	37	31	27	32	28	24	28	25	22	22	22	22	22	22	22	22	22	22	22	22	22	20																
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	26	23	20	20	20	20	20	20	20	20	20	20	20	20	20	18																
10	49	37	29	25	46	35	28	24	31	26	22	28	23	20	24	21	18	18	18	18	18	18	18	18	18	18	18	18	18	16																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15391	15391	15391
5°	15318	15329	15424
10°	15251	15229	15229
15°	15018	15018	14927
20°	14774	14623	14487
25°	14394	14213	13960
30°	14042	13676	13348
35°	13672	13165	12698
40°	13179	12551	12009
45°	12732	12006	11264
50°	12272	11354	10539
55°	11772	10724	9848
60°	11232	10073	9069
65°	10599	9333	8247
70°	9872	8466	7347
75°	8949	7430	6542
80°	7803	6229	5789
85°	6017	5264	5264

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 12732 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	256.7	2.4
10°-20°	721.1	6.7
20°-30°	1047.4	9.7
30°-40°	1190.6	11.0
40°-50°	1155.8	10.7
50°-60°	975.9	9.0
60°-70°	694.3	6.4
70°-80°	371.0	3.4
80°-90°	98.0	0.9
90°-100°	70.5	0.7
100°-110°	276.0	2.6
110°-120°	491.9	4.5
120°-130°	665.6	6.2
130°-140°	765.2	7.1
140°-150°	767.9	7.1
150°-160°	660.4	6.1
160°-170°	447.0	4.1
170°-180°	157.7	1.5
0°-30°	2025.2	18.7
0°-40°	3215.9	29.7
0°-60°	5347.6	49.5
0°-90°	6510.8	60.2
90°-120°	838.4	7.8
90°-150°	3037.0	28.1
90°-180°	4302.0	39.8
0°-180°	10812.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2720	2720	2720	2720	2720	
5°	2697	2731	2699	2696	2716	256
15°	2564	2587	2564	2549	2549	722
25°	2306	2314	2277	2246	2236	1063
35°	1980	1961	1906	1850	1839	1234
45°	1591	1567	1501	1429	1408	1227
55°	1194	1161	1087	1017	998	1067
65°	792	764	697	635	616	784
75°	409	387	340	305	299	436
85°	93	85	81	81	81	110
90°	0	0	0	0	0	6
95°	68	62	55	51	52	77
105°	268	266	257	253	251	286
115°	502	504	493	492	490	497
125°	748	756	741	738	740	668
135°	996	1006	989	982	992	768
145°	1234	1244	1224	1217	1229	771
155°	1440	1452	1428	1422	1437	662
165°	1590	1603	1582	1573	1590	448
175°	1665	1680	1658	1647	1654	158
180°	1669	1669	1669	1669	1669	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2720.5	2720.5	2720.5	2720.5	2720.5
2.5°	2706.6	2733.8	2709.7	2712.9	2719.0
5°	2697.3	2731.3	2699.3	2695.9	2716.0
7.5°	2676.5	2707.5	2674.2	2666.4	2683.4
10°	2654.9	2688.8	2651.0	2641.6	2651.0
12.5°	2616.2	2651.7	2621.6	2606.0	2613.9
15°	2564.1	2586.7	2564.1	2548.6	2548.6
17.5°	2500.4	2524.1	2481.4	2470.5	2466.1
20°	2454.0	2474.8	2428.9	2413.3	2406.4
22.5°	2392.2	2411.5	2373.3	2345.8	2338.4
25°	2305.9	2313.5	2277.0	2245.9	2236.4
27.5°	2220.6	2222.5	2172.3	2134.6	2122.1
30°	2149.5	2151.4	2093.5	2052.7	2043.3
32.5°	2078.4	2072.8	2017.8	1969.4	1963.0
35°	1979.6	1960.7	1906.2	1849.9	1838.6
37.5°	1860.2	1848.9	1784.5	1728.1	1711.1
40°	1784.5	1765.6	1699.5	1643.1	1626.1
42.5°	1708.8	1686.9	1619.2	1556.6	1538.1
45°	1591.4	1566.8	1500.6	1428.7	1407.9
47.5°	1473.2	1446.4	1373.5	1303.9	1280.8
50°	1394.4	1366.1	1290.1	1221.9	1197.4
52.5°	1314.0	1284.2	1208.2	1138.6	1118.6
55°	1193.5	1161.4	1087.3	1017.4	998.5
57.5°	1073.0	1041.3	967.6	901.4	878.7
60°	992.7	962.5	890.3	824.1	801.5
62.5°	910.8	882.1	811.5	746.9	725.8
65°	791.8	763.5	697.2	635.0	616.1
67.5°	674.0	649.8	584.4	527.3	512.2
70°	596.8	574.1	511.8	459.3	444.2
72.5°	522.6	498.4	439.2	394.5	383.9
75°	409.4	386.8	339.9	305.0	299.3
77.5°	305.9	287.4	246.8	227.0	224.0
80°	239.5	222.5	191.2	177.7	177.7
82.5°	177.7	163.7	143.3	137.5	137.5
85°	92.7	85.1	81.1	81.1	81.1
87.5°	27.8	27.8	26.3	24.7	24.7
90°	0.0	0.0	0.0	0.0	0.0
92.5°	18.4	16.4	10.2	8.2	8.2
95°	67.8	61.6	55.0	51.2	52.5
97.5°	125.2	119.2	111.1	107.3	108.3
100°	165.1	160.1	151.0	147.2	147.2
102.5°	204.0	201.0	192.0	188.2	189.2
105°	267.5	266.2	257.3	253.4	250.9
107.5°	337.6	335.4	325.3	325.0	322.8
110°	382.7	381.4	372.5	371.1	369.9



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	428.8	430.5	420.6	419.3	418.0
115°	501.7	504.2	492.8	491.5	490.2
117.5°	576.5	580.0	567.8	566.4	564.2
120°	624.6	632.1	616.9	615.6	614.4
122.5°	673.7	680.2	666.1	663.7	663.5
125°	747.5	756.2	741.1	738.5	739.8
127.5°	821.2	830.2	816.1	811.0	813.8
130°	870.3	880.3	865.2	860.2	863.9
132.5°	920.5	930.5	915.4	910.4	916.2
135°	995.8	1005.8	989.4	981.9	991.9
137.5°	1069.2	1078.0	1060.0	1054.9	1065.4
140°	1117.4	1126.1	1107.1	1101.0	1113.5
142.5°	1164.5	1174.2	1153.2	1147.1	1160.6
145°	1233.8	1243.8	1223.6	1217.4	1228.7
147.5°	1300.4	1310.6	1290.1	1283.0	1294.5
150°	1341.3	1352.6	1331.1	1325.0	1337.5
152.5°	1381.3	1393.5	1371.0	1364.0	1379.5
155°	1439.9	1452.4	1428.4	1422.3	1437.3
157.5°	1492.6	1504.1	1482.4	1476.3	1489.3
160°	1524.4	1536.9	1514.1	1508.1	1523.1
162.5°	1552.0	1564.5	1543.8	1535.7	1550.7
165°	1589.6	1603.4	1582.0	1573.4	1589.6
167.5°	1621.1	1635.9	1613.2	1605.4	1621.6
170°	1639.5	1653.3	1630.6	1620.7	1637.0
172.5°	1651.8	1665.6	1642.9	1632.9	1644.2
175°	1665.1	1680.2	1657.5	1647.4	1653.6
177.5°	1671.0	1683.0	1664.9	1656.0	1670.0
180°	1669.0	1669.0	1669.0	1669.0	1669.0



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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	17.54	18.49	18.41	19.37	20.49	16.46	17.41	17.33	18.30	19.41
	3H	19.21	20.06	20.09	20.96	22.10	17.88	18.73	18.76	19.63	20.77
	4H	19.85	20.65	20.74	21.55	22.71	18.40	19.21	19.30	20.11	21.26
	6H	20.24	20.98	21.14	21.89	23.05	18.73	19.47	19.63	20.37	21.54
	8H	20.38	21.08	21.29	22.01	23.17	18.85	19.56	19.77	20.48	21.65
	12H	20.45	21.12	21.37	22.04	23.23	18.93	19.60	19.85	20.52	21.71
4H	2H	17.96	18.76	18.86	19.66	20.82	17.10	17.90	18.00	18.80	19.96
	3H	19.86	20.52	20.77	21.46	22.63	18.73	19.40	19.64	20.33	21.50
	4H	20.61	21.22	21.53	22.15	23.34	19.34	19.95	20.26	20.88	22.07
	6H	21.12	21.64	22.05	22.59	23.79	19.75	20.28	20.69	21.23	22.43
	8H	21.31	21.80	22.25	22.75	23.96	19.93	20.42	20.86	21.36	22.57
	12H	21.41	21.85	22.37	22.82	24.03	20.04	20.48	20.99	21.44	22.66
8H	4H	20.74	21.24	21.68	22.18	23.39	19.61	20.10	20.54	21.04	22.25
	6H	21.37	21.77	22.33	22.76	23.97	20.14	20.54	21.10	21.53	22.74
	8H	21.64	22.00	22.62	22.98	24.21	20.39	20.75	21.36	21.73	22.95
	12H	21.81	22.13	22.79	23.10	24.37	20.57	20.89	21.55	21.86	23.13
12H	4H	20.72	21.16	21.68	22.13	23.34	19.61	20.05	20.57	21.02	22.23
	6H	21.38	21.74	22.36	22.72	23.95	20.20	20.55	21.17	21.53	22.76
	8H	21.69	22.00	22.66	22.98	24.25	20.48	20.80	21.46	21.77	23.04