

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: P1439548

Luminaire Tested: CB3-D-055U-085D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

**Test Information**

Test Method: LM-79-2024  
Report Number: P1439548  
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-930-1D-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: 3000K CCT, 90 CRI LEDS  
Ballast/Driver: -

**Summary**

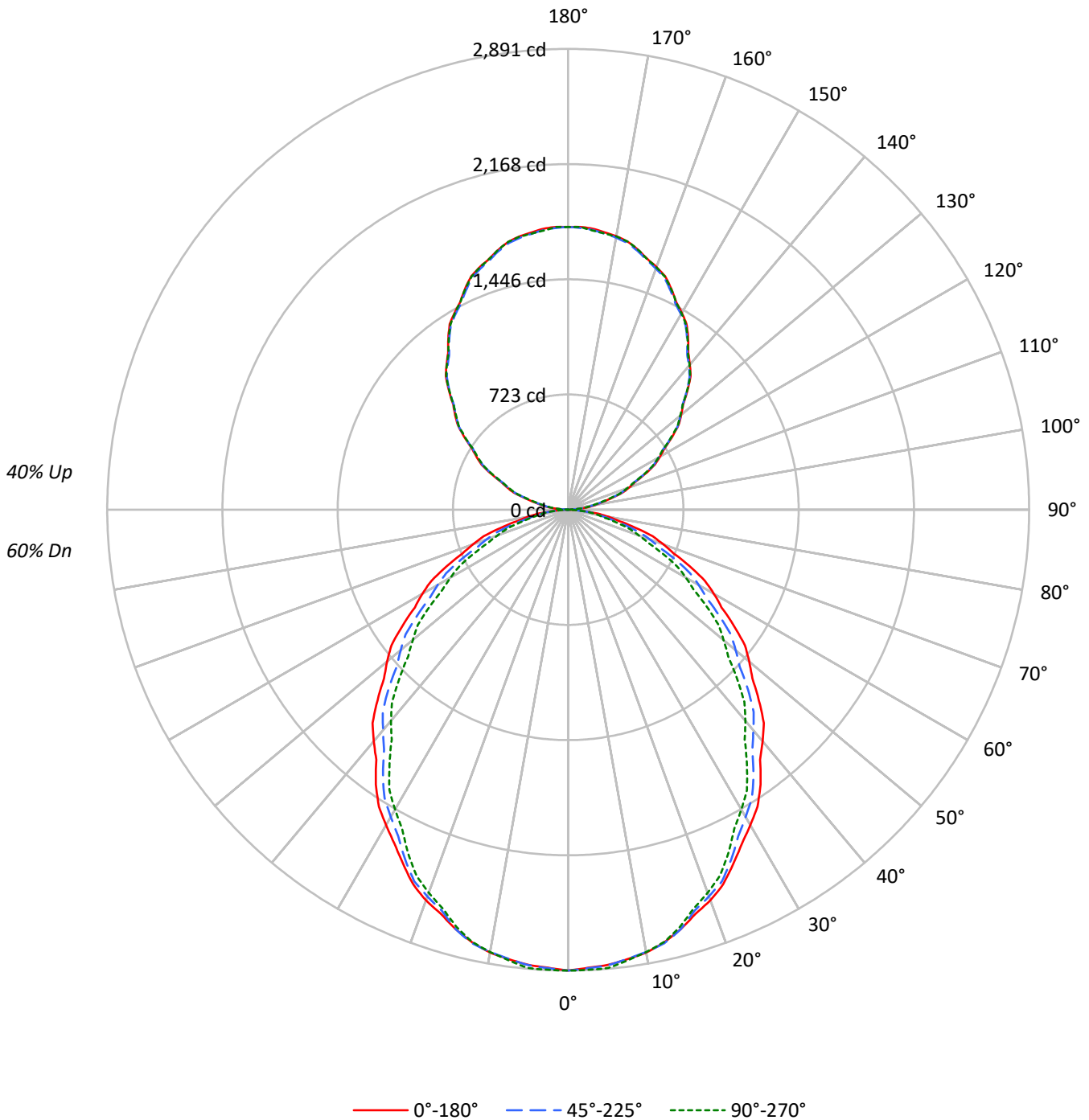
Lumens per Lamp: N/A  
Luminaire Lumens: 11491.7 lumens  
Efficiency: N/A  
Efficacy: 129.8 lumens/watt  
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26  
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')  
CIE Type: Semi-Direct

Input Watts (W): 88.5  
Input Voltage (V): 120  
Input Current (A<sub>in</sub>): 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	110	110	110	110	102	102	102	102	89	89	89	77	77	77	66	66	66	60
1	100	96	92	89	94	90	87	83	78	76	74	68	66	64	58	57	56	51
2	92	84	78	73	85	79	73	69	69	65	61	60	57	54	52	49	47	43
3	84	74	67	61	78	70	63	58	61	56	52	53	49	46	46	43	41	37
4	77	66	58	52	71	62	55	49	54	49	44	48	43	40	41	38	35	32
5	70	59	51	45	66	55	48	43	49	43	38	43	38	35	37	34	31	28
6	65	53	45	39	61	50	42	37	44	38	34	39	34	30	34	30	27	24
7	60	48	40	34	56	45	38	33	40	34	30	35	31	27	31	27	24	22
8	56	44	36	30	52	41	34	29	37	31	27	32	28	24	28	25	22	20
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	26	23	20	18
10	49	37	29	25	46	35	28	24	31	26	22	28	23	20	24	21	18	16

**AVERAGE LUMINANCE (cd/sqm):**

	0°	45°	90°
0°	16357	16357	16357
5°	16280	16291	16392
10°	16208	16185	16185
15°	15961	15961	15864
20°	15702	15541	15396
25°	15298	15105	14836
30°	14923	14534	14186
35°	14529	13991	13495
40°	14006	13339	12763
45°	13531	12759	11971
50°	13042	12067	11200
55°	12511	11398	10467
60°	11937	10706	9638
65°	11265	9919	8765
70°	10490	8997	7809
75°	9510	7895	6953
80°	8291	6620	6151
85°	6394	5595	5595

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 0°  
 Vertical Angle: 45°  
 Luminance: 13531 cd/sqm



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**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	272.8	2.4
10°-20°	766.4	6.7
20°-30°	1113.1	9.7
30°-40°	1265.4	11.0
40°-50°	1228.4	10.7
50°-60°	1037.1	9.0
60°-70°	737.9	6.4
70°-80°	394.2	3.4
80°-90°	104.2	0.9
90°-100°	75.0	0.7
100°-110°	293.3	2.6
110°-120°	522.7	4.5
120°-130°	707.4	6.2
130°-140°	813.3	7.1
140°-150°	816.1	7.1
150°-160°	701.8	6.1
160°-170°	475.1	4.1
170°-180°	167.6	1.5
0°-30°	2152.4	18.7
0°-40°	3417.8	29.7
0°-60°	5683.3	49.5
0°-90°	6919.6	60.2
90°-120°	891.0	7.8
90°-150°	3227.7	28.1
90°-180°	4572.0	39.8
0°-180°	11491.7	100.0

**CANDELA DISTRIBUTION:**

	0°	22.5°	45°	67.5°	90°	Flux
0°	2891	2891	2891	2891	2891	
5°	2867	2903	2869	2865	2886	272
15°	2725	2749	2725	2709	2709	768
25°	2451	2459	2420	2387	2377	1129
35°	2104	2084	2026	1966	1954	1311
45°	1691	1665	1595	1518	1496	1305
55°	1268	1234	1156	1081	1061	1134
65°	842	811	741	675	655	834
75°	435	411	361	324	318	464
85°	98	90	86	86	86	117
90°	0	0	0	0	0	7
95°	72	65	58	54	56	82
105°	284	283	273	269	267	303
115°	533	536	524	522	521	529
125°	794	804	788	785	786	710
135°	1058	1069	1052	1044	1054	816
145°	1311	1322	1300	1294	1306	819
155°	1530	1544	1518	1512	1528	704
165°	1689	1704	1681	1672	1689	476
175°	1770	1786	1762	1751	1757	168
180°	1774	1774	1774	1774	1774	



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**CANDELA DISTRIBUTION (FULL):**

	0°	22.5°	45°	67.5°	90°
0°	2891.3	2891.3	2891.3	2891.3	2891.3
2.5°	2876.5	2905.4	2879.8	2883.3	2889.7
5°	2866.7	2902.8	2868.7	2865.1	2886.5
7.5°	2844.5	2877.4	2842.1	2833.8	2851.9
10°	2821.5	2857.7	2817.4	2807.4	2817.4
12.5°	2780.5	2818.2	2786.2	2769.6	2778.0
15°	2725.1	2749.1	2725.1	2708.6	2708.6
17.5°	2657.3	2682.6	2637.2	2625.6	2620.9
20°	2608.1	2630.1	2581.4	2564.8	2557.4
22.5°	2542.4	2562.9	2522.3	2493.1	2485.2
25°	2450.7	2458.7	2419.9	2386.9	2376.8
27.5°	2360.0	2362.0	2308.7	2268.6	2255.3
30°	2284.5	2286.5	2224.9	2181.6	2171.6
32.5°	2208.9	2202.9	2144.5	2093.0	2086.2
35°	2103.8	2083.8	2025.8	1966.0	1954.0
37.5°	1977.0	1965.0	1896.5	1836.6	1818.5
40°	1896.5	1876.5	1806.2	1746.3	1728.2
42.5°	1816.1	1792.8	1720.8	1654.3	1634.6
45°	1691.3	1665.2	1594.8	1518.4	1496.3
47.5°	1565.7	1537.2	1459.8	1385.7	1361.2
50°	1481.9	1451.8	1371.1	1298.7	1272.6
52.5°	1396.5	1364.8	1284.1	1210.1	1188.8
55°	1268.5	1234.3	1155.6	1081.2	1061.2
57.5°	1140.4	1106.7	1028.3	958.0	933.9
60°	1055.0	1022.9	946.2	875.9	851.8
62.5°	968.0	937.5	862.5	793.8	771.3
65°	841.5	811.4	741.0	674.8	654.8
67.5°	716.3	690.6	621.1	560.4	544.3
70°	634.2	610.1	543.9	488.1	472.1
72.5°	555.4	529.7	466.7	419.3	408.0
75°	435.1	411.1	361.2	324.2	318.1
77.5°	325.1	305.5	262.3	241.3	238.1
80°	254.5	236.5	203.2	188.8	188.8
82.5°	188.8	174.0	152.3	146.1	146.1
85°	98.5	90.5	86.2	86.2	86.2
87.5°	29.6	29.6	27.9	26.3	26.3
90°	0.0	0.0	0.0	0.0	0.0
92.5°	19.6	17.5	10.9	8.7	8.7
95°	72.1	65.4	58.5	54.4	55.8
97.5°	133.0	126.6	118.1	114.0	115.1
100°	175.5	170.2	160.5	156.4	156.4
102.5°	216.8	213.6	204.0	200.0	201.0
105°	284.3	283.0	273.4	269.3	266.6
107.5°	358.8	356.4	345.8	345.4	343.1
110°	406.7	405.4	395.8	394.4	393.1



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**CANDELA DISTRIBUTION (continued):**

	0°	22.5°	45°	67.5°	90°
112.5°	455.7	457.5	447.0	445.6	444.3
115°	533.2	535.9	523.7	522.3	521.0
117.5°	612.7	616.4	603.4	602.0	599.6
120°	663.8	671.8	655.6	654.2	652.9
122.5°	716.0	723.0	707.9	705.4	705.2
125°	794.4	803.7	787.6	784.9	786.2
127.5°	872.7	882.3	867.3	861.9	864.8
130°	925.0	935.6	919.5	914.2	918.2
132.5°	978.3	988.9	972.8	967.5	973.7
135°	1058.3	1068.9	1051.5	1043.6	1054.2
137.5°	1136.4	1145.7	1126.6	1121.1	1132.3
140°	1187.5	1196.8	1176.6	1170.1	1183.4
142.5°	1237.6	1247.9	1225.6	1219.1	1233.5
145°	1311.3	1321.9	1300.4	1293.9	1305.8
147.5°	1382.0	1392.9	1371.1	1363.5	1375.8
150°	1425.5	1437.5	1414.7	1408.2	1421.5
152.5°	1468.0	1481.0	1457.1	1449.6	1466.1
155°	1530.3	1543.6	1518.0	1511.6	1527.6
157.5°	1586.3	1598.6	1575.4	1569.0	1582.8
160°	1620.1	1633.4	1609.2	1602.7	1618.7
162.5°	1649.4	1662.7	1640.7	1632.1	1648.1
165°	1689.4	1704.1	1681.3	1672.1	1689.4
167.5°	1722.9	1738.6	1714.5	1706.1	1723.4
170°	1742.5	1757.1	1733.0	1722.5	1739.8
172.5°	1755.5	1770.2	1746.0	1735.4	1747.4
175°	1769.7	1785.6	1761.5	1750.8	1757.4
177.5°	1775.9	1788.7	1769.4	1760.0	1774.9
180°	1773.8	1773.8	1773.8	1773.8	1773.8



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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	17.75	18.70	18.62	19.59	20.70	16.67	17.62	17.54	18.51	19.63
	3H	19.43	20.27	20.30	21.17	22.31	18.09	18.94	18.97	19.84	20.98
	4H	20.06	20.86	20.95	21.76	22.92	18.62	19.42	19.51	20.32	21.47
	6H	20.45	21.19	21.36	22.10	23.26	18.94	19.68	19.84	20.59	21.75
	8H	20.59	21.29	21.50	22.22	23.39	19.06	19.77	19.98	20.69	21.86
	12H	20.66	21.33	21.58	22.25	23.44	19.14	19.81	20.06	20.73	21.92
4H	2H	18.17	18.97	19.07	19.87	21.03	17.31	18.11	18.21	19.02	20.17
	3H	20.07	20.74	20.98	21.67	22.84	18.94	19.61	19.85	20.54	21.71
	4H	20.82	21.43	21.74	22.36	23.55	19.55	20.16	20.47	21.09	22.28
	6H	21.33	21.85	22.26	22.81	24.00	19.97	20.49	20.90	21.44	22.64
	8H	21.52	22.01	22.46	22.96	24.17	20.14	20.63	21.08	21.58	22.78
	12H	21.62	22.06	22.58	23.03	24.24	20.25	20.69	21.20	21.65	22.87
8H	4H	20.96	21.45	21.89	22.39	23.60	19.82	20.31	20.76	21.25	22.46
	6H	21.58	21.98	22.54	22.97	24.18	20.35	20.76	21.31	21.74	22.95
	8H	21.86	22.21	22.83	23.19	24.42	20.60	20.96	21.58	21.94	23.17
	12H	22.02	22.34	23.00	23.31	24.58	20.78	21.10	21.76	22.07	23.34
12H	4H	20.93	21.38	21.89	22.34	23.55	19.82	20.27	20.78	21.23	22.44
	6H	21.60	21.96	22.57	22.93	24.16	20.41	20.77	21.38	21.74	22.97
	8H	21.90	22.22	22.88	23.19	24.46	20.69	21.01	21.67	21.98	23.25