

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: P1439580

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439580
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-085U-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 850 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

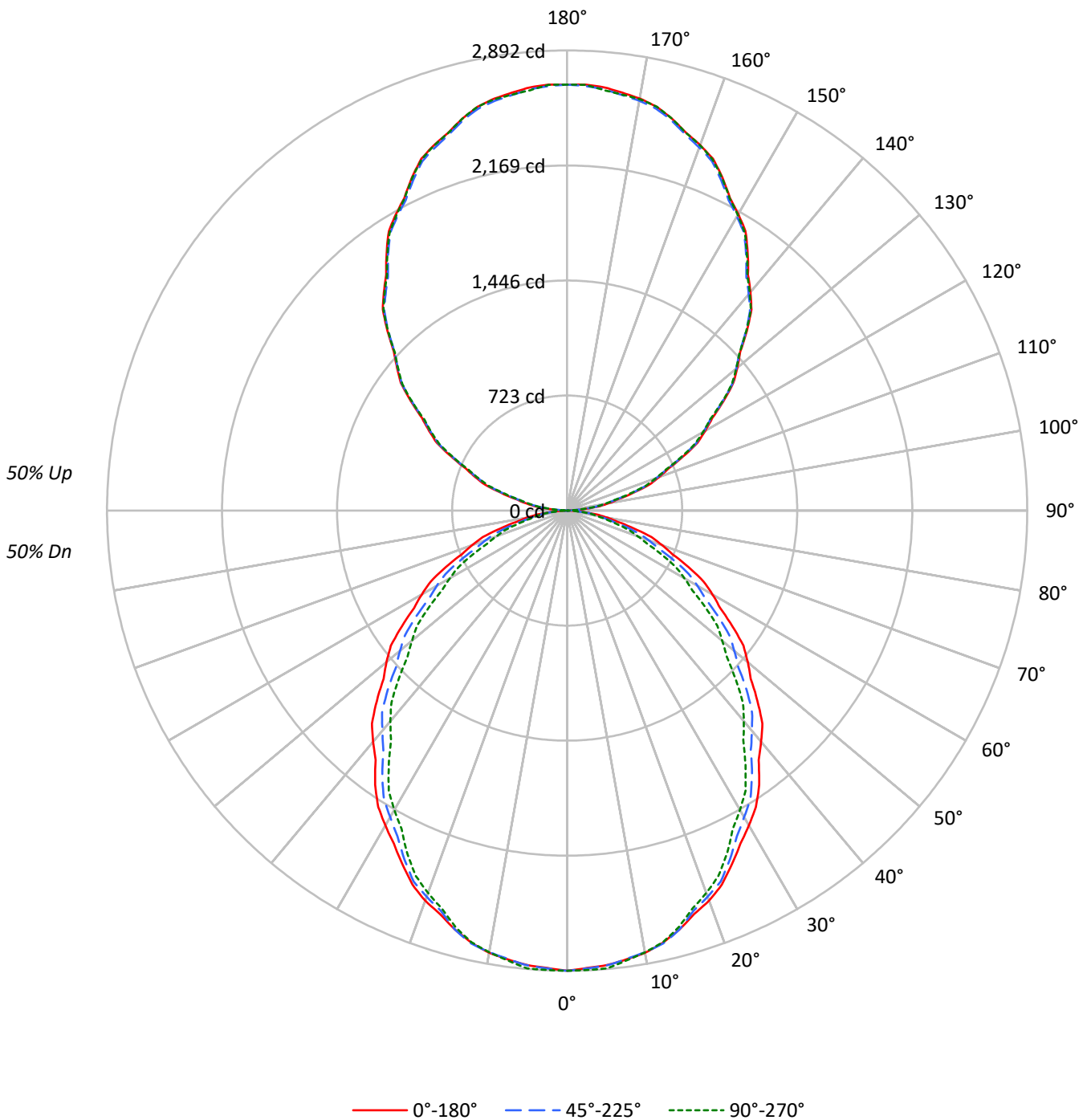
Lumens per Lamp: N/A
Luminaire Lumens: 13818.9 lumens
Efficiency: N/A
Efficacy: 127.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 108.3
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	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	98	94	90	86	90	87	83	80	73	71	69	61	60	58	50	49	48	43
2	89	82	76	71	82	76	71	66	65	61	57	54	51	49	44	42	41	36
3	82	72	65	59	75	67	61	56	57	52	48	48	44	41	39	37	35	31
4	75	64	56	50	69	59	53	47	51	46	41	43	39	36	35	32	30	26
5	69	57	49	43	63	53	46	41	46	40	36	38	34	31	32	29	26	23
6	63	51	43	38	58	48	41	35	41	35	31	35	30	27	29	26	23	20
7	59	46	39	33	54	43	36	31	37	32	28	32	27	24	26	23	21	18
8	54	42	34	29	50	39	32	28	34	29	25	29	25	22	24	21	19	16
9	51	39	31	26	47	36	29	25	31	26	22	27	22	19	22	19	17	15
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16361	16361	16361
5°	16284	16295	16400
10°	16212	16189	16189
15°	15965	15965	15868
20°	15706	15545	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°	272.9	2.0
10°-20°	766.6	5.5
20°-30°	1113.2	8.1
30°-40°	1265.4	9.2
40°-50°	1228.4	8.9
50°-60°	1037.1	7.5
60°-70°	737.9	5.3
70°-80°	394.2	2.9
80°-90°	104.2	0.8
90°-100°	113.1	0.8
100°-110°	442.6	3.2
110°-120°	788.8	5.7
120°-130°	1067.4	7.7
130°-140°	1227.2	8.9
140°-150°	1231.4	8.9
150°-160°	1059.0	7.7
160°-170°	716.8	5.2
170°-180°	252.8	1.8
0°-30°	2152.7	15.6
0°-40°	3418.1	24.7
0°-60°	5683.6	41.1
0°-90°	6919.9	50.1
90°-120°	1344.4	9.7
90°-150°	4870.4	35.2
90°-180°	6899.0	49.9
0°-180°	13818.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2892	2892	2892	2892	2892	
5°	2867	2904	2869	2866	2888	272
15°	2726	2750	2726	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	8
95°	109	99	88	82	84	124
105°	429	427	413	406	402	458
115°	805	809	790	788	786	797
125°	1199	1213	1188	1184	1186	1072
135°	1597	1613	1587	1575	1591	1231
145°	1979	1995	1962	1952	1970	1236
155°	2309	2329	2291	2281	2305	1062
165°	2549	2571	2537	2523	2549	718
175°	2670	2694	2658	2642	2652	253
180°	2676	2676	2676	2676	2676	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2892.0	2892.0	2892.0	2892.0	2892.0
2.5°	2877.2	2906.1	2880.5	2883.9	2890.4
5°	2867.4	2903.5	2869.4	2865.8	2887.9
7.5°	2845.2	2878.1	2842.7	2834.5	2852.6
10°	2822.2	2858.3	2818.1	2808.1	2818.1
12.5°	2781.2	2818.9	2786.9	2770.3	2778.7
15°	2725.8	2749.8	2725.8	2709.3	2709.3
17.5°	2658.0	2683.3	2637.9	2626.3	2621.5
20°	2608.8	2630.8	2582.1	2565.5	2557.4
22.5°	2543.1	2563.5	2523.0	2493.2	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°	29.6	26.3	16.4	13.1	13.1
95°	108.8	98.7	88.3	82.1	84.2
97.5°	200.7	191.1	178.2	172.0	173.6
100°	264.8	256.7	242.2	236.0	236.0
102.5°	327.2	322.4	307.9	301.8	303.4
105°	429.0	427.0	412.6	406.3	402.3
107.5°	541.5	537.8	521.8	521.3	517.6
110°	613.7	611.7	597.3	595.2	593.2

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	687.6	690.4	674.5	672.4	670.4
115°	804.6	808.6	790.2	788.1	786.1
117.5°	924.5	930.1	910.5	908.4	904.8
120°	1001.6	1013.7	989.3	987.2	985.2
122.5°	1080.4	1090.9	1068.1	1064.4	1064.0
125°	1198.7	1212.7	1188.4	1184.4	1186.4
127.5°	1316.9	1331.3	1308.7	1300.6	1305.0
130°	1395.7	1411.8	1387.5	1379.4	1385.5
132.5°	1476.2	1492.2	1468.0	1460.0	1469.2
135°	1596.9	1612.9	1586.6	1574.7	1590.7
137.5°	1714.7	1728.7	1699.9	1691.7	1708.5
140°	1791.9	1805.9	1775.4	1765.6	1785.7
142.5°	1867.4	1883.0	1849.3	1839.6	1861.2
145°	1978.6	1994.7	1962.2	1952.4	1970.4
147.5°	2085.4	2101.8	2068.9	2057.5	2075.9
150°	2151.0	2169.1	2134.6	2124.8	2144.9
152.5°	2215.1	2234.8	2198.7	2187.3	2212.2
155°	2309.1	2329.2	2290.6	2280.9	2305.0
157.5°	2393.7	2412.1	2377.2	2367.4	2388.3
160°	2444.6	2464.6	2428.1	2418.4	2442.5
162.5°	2488.9	2509.0	2475.8	2462.8	2486.8
165°	2549.2	2571.3	2536.9	2523.1	2549.2
167.5°	2599.7	2623.4	2587.0	2574.5	2600.5
170°	2629.3	2651.4	2614.9	2599.1	2625.2
172.5°	2649.0	2671.1	2634.6	2618.6	2636.7
175°	2670.3	2694.4	2658.0	2641.8	2651.9
177.5°	2679.8	2699.0	2669.9	2655.7	2678.1
180°	2676.5	2676.5	2676.5	2676.5	2676.5



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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	16.86	17.71	17.82	18.69	19.96	15.79	16.64	16.74	17.61	18.88
	3H	18.53	19.29	19.50	20.27	21.57	17.20	17.96	18.17	18.94	20.24
	4H	19.16	19.88	20.14	20.87	22.17	17.71	18.44	18.70	19.42	20.72
	6H	19.54	20.21	20.54	21.20	22.51	18.03	18.70	19.03	19.69	21.00
	8H	19.68	20.31	20.68	21.32	22.63	18.16	18.79	19.16	19.79	21.11
	12H	19.75	20.35	20.75	21.35	22.69	18.23	18.83	19.24	19.83	21.17
4H	2H	17.27	17.99	18.26	18.98	20.28	16.41	17.13	17.40	18.12	19.42
	3H	19.16	19.76	20.16	20.77	22.09	18.03	18.63	19.03	19.65	20.96
	4H	19.91	20.46	20.91	21.46	22.80	18.64	19.19	19.64	20.19	21.53
	6H	20.41	20.88	21.43	21.91	23.25	19.05	19.52	20.07	20.55	21.89
	8H	20.60	21.04	21.62	22.07	23.42	19.22	19.66	20.24	20.68	22.03
	12H	20.70	21.10	21.74	22.14	23.49	19.32	19.72	20.36	20.76	22.12
8H	4H	20.04	20.48	21.06	21.50	22.85	18.90	19.34	19.92	20.36	21.71
	6H	20.65	21.02	21.70	22.09	23.43	19.43	19.79	20.47	20.86	22.20
	8H	20.93	21.25	21.98	22.30	23.67	19.68	20.00	20.73	21.05	22.42
	12H	21.09	21.38	22.15	22.42	23.83	19.85	20.14	20.91	21.18	22.59
12H	4H	20.01	20.41	21.05	21.45	22.80	18.90	19.30	19.94	20.34	21.69
	6H	20.67	20.99	21.72	22.04	23.41	19.48	19.80	20.53	20.85	22.22
	8H	20.97	21.25	22.03	22.30	23.71	19.76	20.05	20.82	21.09	22.50