

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1057052

Luminaire Tested: CB2-D-125U-085D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057052
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-242-13, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-D-125U-085D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15432.7 lumens
Efficiency: N/A
Efficacy: 101.7 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: General Diffuse

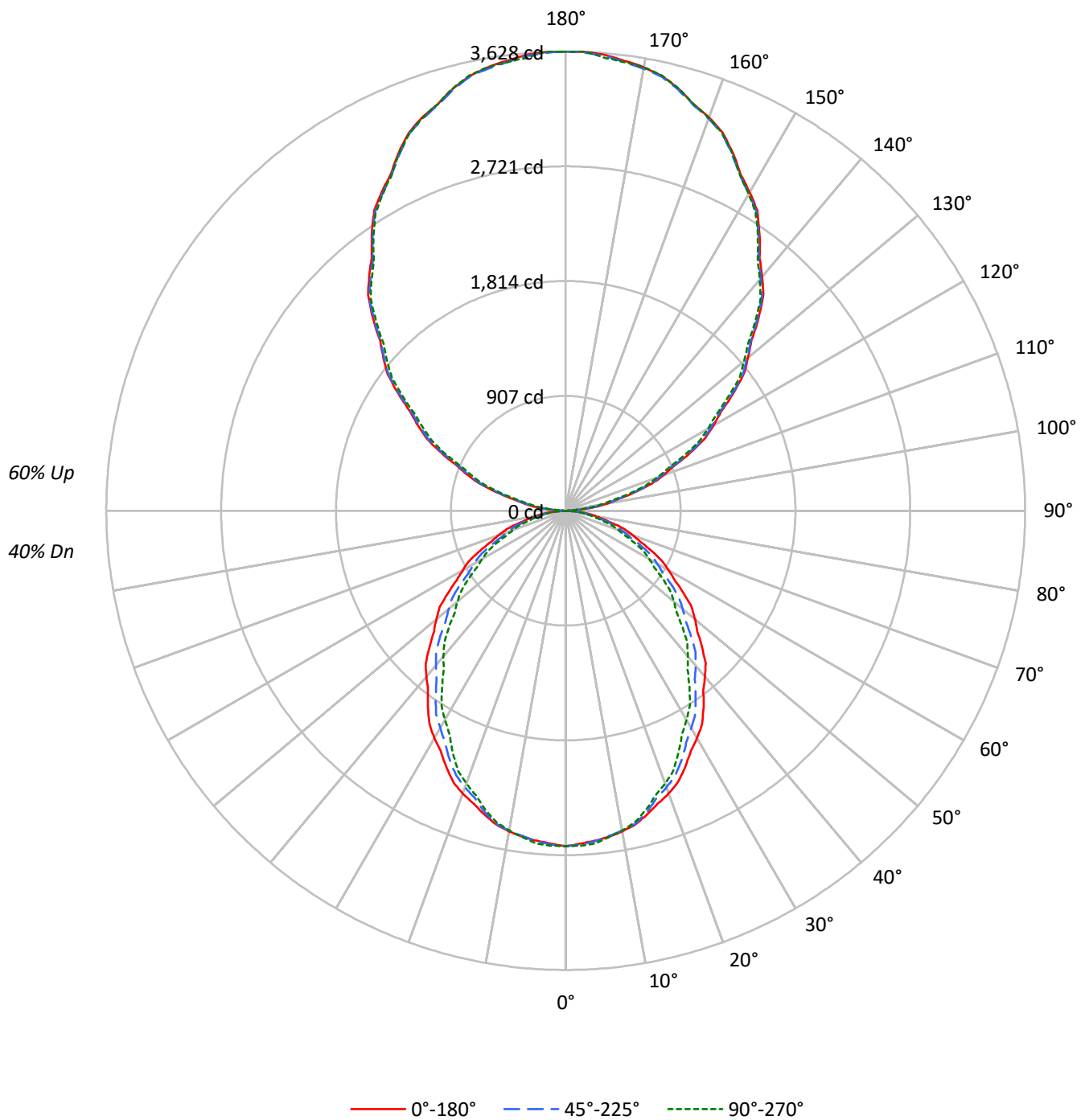
Input Watts (W): 151.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20
RC	80				70				50				30				10
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47
1	96	91	88	84	87	83	80	77	68	66	64	54	53	52	42	41	40
2	87	80	74	69	79	73	68	64	60	56	53	48	46	43	37	35	34
3	80	70	63	58	72	64	58	53	53	49	45	43	39	37	33	31	29
4	73	62	55	49	66	57	50	45	47	42	38	38	34	32	29	27	25
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	27	24	22
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	21	19
7	57	45	37	32	52	41	35	30	35	29	25	28	24	21	22	19	17
8	53	41	33	28	48	38	31	26	31	26	23	26	22	19	20	18	16
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14
10	46	34	27	22	42	32	25	21	27	22	18	22	18	15	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	23080	23080	23080
5°	22884	22919	23079
10°	22753	22700	22681
15°	22394	22247	22064
20°	22040	21552	21251
25°	21448	20844	20260
30°	20855	19936	19182
35°	20171	19006	18100
40°	19447	18133	17071
45°	18719	17219	16070
50°	18063	16331	15093
55°	17254	15405	14172
60°	16329	14526	13255
65°	15346	13549	12335
70°	14262	12451	11160
75°	12975	11265	10104
80°	11600	9870	9158
85°	8923	8114	6695

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 18719 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	249.2	1.6
10°-20°	694.7	4.5
20°-30°	998.9	6.5
30°-40°	1122.7	7.3
40°-50°	1084.5	7.0
50°-60°	916.4	5.9
60°-70°	658.2	4.3
70°-80°	359.7	2.3
80°-90°	95.7	0.6
90°-100°	140.2	0.9
100°-110°	578.0	3.7
110°-120°	1049.3	6.8
120°-130°	1427.9	9.3
130°-140°	1648.4	10.7
140°-150°	1661.1	10.8
150°-160°	1433.5	9.3
160°-170°	971.5	6.3
170°-180°	342.7	2.2
0°-30°	1942.8	12.6
0°-40°	3065.5	19.9
0°-60°	5066.4	32.8
0°-90°	6180.1	40.0
90°-120°	1767.5	11.5
90°-150°	6504.9	42.1
90°-180°	9253.0	60.0
0°-180°	15432.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2650	2650	2650	2650	2650	
5°	2618	2653	2622	2622	2640	249
15°	2484	2506	2468	2443	2447	700
25°	2232	2234	2169	2120	2108	1028
35°	1897	1876	1788	1718	1702	1185
45°	1520	1488	1398	1325	1305	1174
55°	1136	1095	1015	951	933	1016
65°	745	717	658	610	599	738
75°	386	362	335	308	300	412
85°	89	83	81	71	67	106
90°	0	0	3	0	3	8
95°	136	119	113	88	88	158
105°	572	563	549	518	512	606
115°	1087	1084	1064	1033	1030	1072
125°	1616	1632	1599	1565	1568	1443
135°	2154	2178	2142	2103	2117	1659
145°	2669	2699	2657	2627	2646	1667
155°	3122	3152	3107	3088	3113	1435
165°	3450	3486	3441	3422	3453	971
175°	3614	3653	3605	3583	3591	343
180°	3628	3628	3628	3628	3628	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2650.2	2650.2	2650.2	2650.2	2650.2
2.5°	2632.3	2664.0	2640.4	2643.8	2648.5
5°	2617.7	2653.4	2621.7	2622.2	2640.0
7.5°	2599.0	2632.7	2592.9	2585.6	2602.3
10°	2573.0	2606.8	2567.0	2553.0	2564.9
12.5°	2539.0	2571.1	2532.9	2510.8	2521.1
15°	2483.8	2505.6	2467.5	2443.3	2447.2
17.5°	2423.7	2437.2	2382.3	2361.9	2357.9
20°	2378.2	2390.1	2325.5	2297.0	2293.0
22.5°	2319.8	2330.1	2262.2	2227.1	2221.6
25°	2232.1	2234.1	2169.2	2120.3	2108.4
27.5°	2140.4	2134.1	2062.1	2004.1	1988.6
30°	2073.9	2065.9	1982.5	1921.3	1907.5
32.5°	2002.4	1988.1	1904.6	1838.6	1824.7
35°	1897.3	1875.5	1787.7	1718.4	1702.5
37.5°	1785.3	1760.7	1674.5	1599.0	1581.2
40°	1710.6	1682.8	1595.0	1519.5	1501.6
42.5°	1636.0	1605.0	1515.4	1439.9	1420.4
45°	1519.9	1488.1	1398.1	1324.6	1304.8
47.5°	1409.5	1369.0	1281.7	1208.6	1188.7
50°	1333.2	1289.5	1205.4	1133.9	1114.0
52.5°	1255.3	1210.0	1129.1	1060.8	1041.0
55°	1136.4	1094.7	1014.6	951.3	933.4
57.5°	1018.7	978.6	905.4	845.0	827.5
60°	937.5	903.8	834.0	776.8	761.0
62.5°	859.6	829.0	762.6	710.3	694.4
65°	744.7	716.9	657.5	610.5	598.6
67.5°	633.1	605.3	557.2	515.1	501.6
70°	560.1	532.3	489.0	450.2	438.3
72.5°	490.3	460.9	425.7	390.2	381.5
75°	385.6	361.7	334.8	308.3	300.3
77.5°	293.0	270.0	250.4	231.7	229.7
80°	231.3	211.5	196.8	184.6	182.6
82.5°	172.9	157.8	148.1	139.2	138.8
85°	89.3	83.3	81.2	70.9	67.0
87.5°	26.0	26.0	23.3	19.5	20.0
90°	0.0	0.0	2.8	0.1	2.8
92.5°	34.0	29.5	27.7	18.2	20.9
95°	135.8	119.2	113.2	87.7	87.7
97.5°	256.4	239.8	230.9	204.8	199.2
100°	342.4	325.8	317.0	288.5	283.0
102.5°	430.7	423.0	407.5	376.8	371.3
105°	571.7	563.4	549.0	517.8	512.2
107.5°	716.5	718.2	696.7	671.1	663.3
110°	820.7	817.9	800.9	775.3	769.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	927.1	922.1	905.0	879.4	873.9
115°	1086.7	1083.9	1064.1	1032.9	1030.1
117.5°	1238.4	1247.2	1223.7	1190.8	1189.7
120°	1347.1	1358.1	1330.1	1301.7	1296.1
122.5°	1453.5	1466.8	1438.8	1406.0	1407.1
125°	1615.9	1632.5	1598.9	1565.0	1567.8
127.5°	1772.7	1793.2	1761.9	1727.5	1730.8
130°	1879.1	1904.0	1870.6	1833.9	1839.5
132.5°	1987.8	2012.7	1979.3	1940.5	1950.4
135°	2153.6	2178.5	2142.3	2103.0	2116.8
137.5°	2309.8	2334.7	2295.1	2262.1	2278.7
140°	2414.0	2438.9	2397.0	2366.2	2382.8
142.5°	2515.8	2545.2	2501.1	2468.2	2489.2
145°	2668.7	2699.1	2657.3	2626.7	2646.0
147.5°	2813.6	2844.0	2801.7	2772.1	2792.0
150°	2906.4	2936.8	2892.2	2867.3	2889.4
152.5°	2992.4	3027.3	2980.5	2955.7	2984.5
155°	3121.5	3151.9	3107.3	3088.1	3113.0
157.5°	3233.5	3268.9	3224.5	3207.9	3227.9
160°	3308.2	3341.4	3296.9	3280.4	3302.6
162.5°	3364.8	3400.3	3358.0	3339.4	3366.0
165°	3449.7	3485.7	3441.2	3422.1	3452.6
167.5°	3516.5	3554.7	3509.7	3490.1	3521.0
170°	3557.3	3593.2	3546.0	3524.1	3557.3
172.5°	3584.4	3622.6	3573.1	3551.0	3573.1
175°	3613.9	3652.6	3605.4	3582.9	3591.2
177.5°	3628.0	3659.0	3621.2	3601.5	3628.0
180°	3628.0	3628.0	3628.0	3628.0	3628.0

(END OF REPORT)