

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: P1057055

Luminaire Tested: CB2-D-125U-120D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057055
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-120D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 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: 18050.2 lumens
Efficiency: N/A
Efficacy: 97.9 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

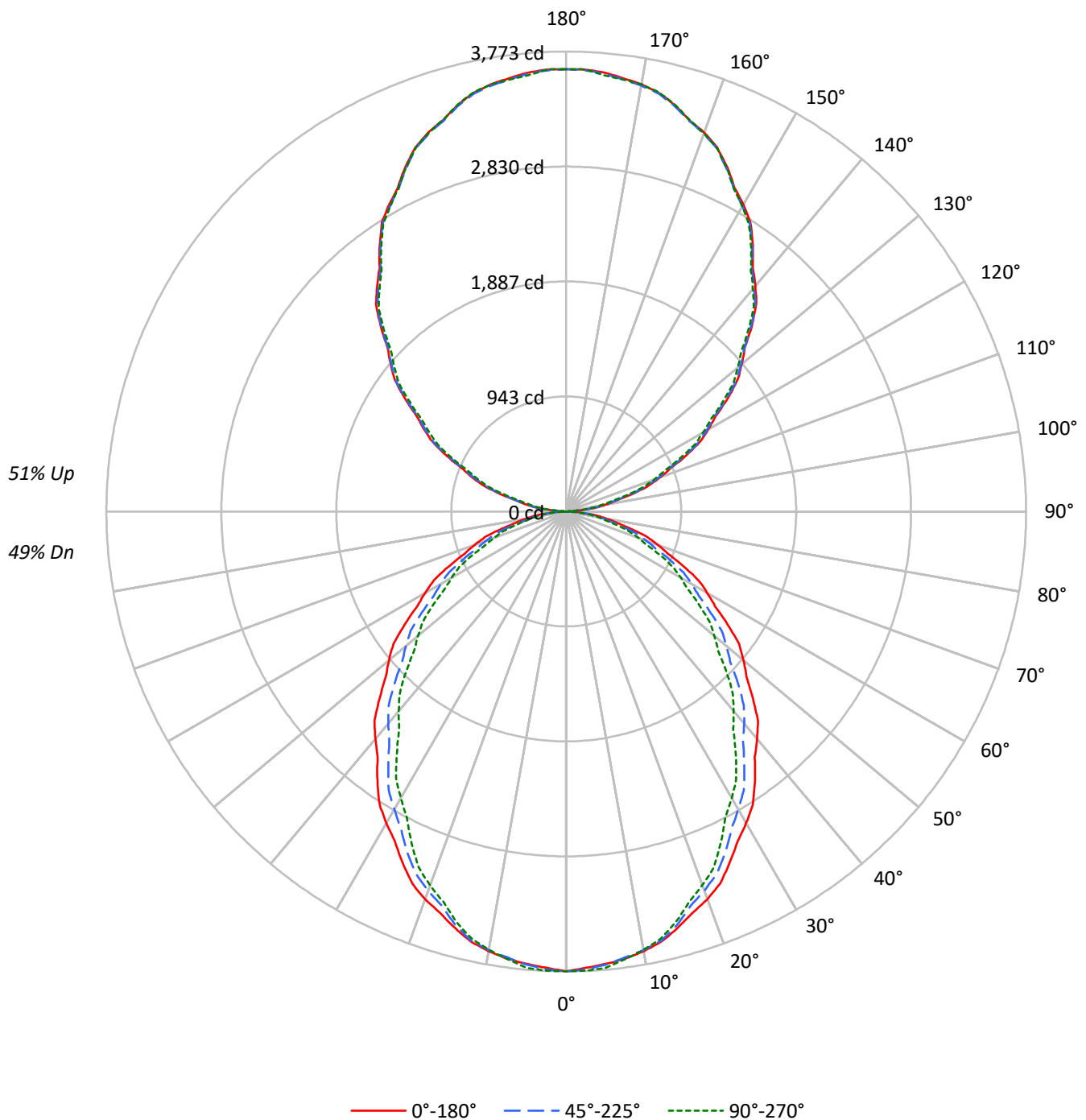
Input Watts (W): 184.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55
1	98	93	90	86	90	86	83	80	73	70	68	60	59	57	49	48	47
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	43	41	40
3	81	72	65	59	75	67	60	55	57	52	48	47	44	41	38	36	34
4	75	64	56	50	68	59	52	47	50	45	41	42	38	35	34	32	29
5	68	57	49	43	63	53	46	40	45	40	35	38	34	31	31	28	26
6	63	51	43	37	58	48	40	35	41	35	31	34	30	27	28	25	23
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	23	20
8	54	42	34	29	50	39	32	28	34	28	24	29	24	21	24	21	18
9	51	38	31	26	47	36	29	25	31	26	22	26	22	19	22	19	17
10	47	35	28	23	44	33	26	22	29	23	20	24	20	17	20	17	15

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	32854	32854	32854
5°	32576	32627	32854
10°	32391	32314	32288
15°	31878	31669	31410
20°	31375	30679	30251
25°	30533	29672	28840
30°	29687	28381	27306
35°	28714	27056	25766
40°	27684	25812	24301
45°	26647	24512	22876
50°	25713	23248	21486
55°	24562	21929	20175
60°	23245	20680	18868
65°	21845	19286	17561
70°	20301	17727	15889
75°	18469	16037	14384
80°	16515	14052	13039
85°	12700	11541	9522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26647 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.8	2.0
10°-20°	988.9	5.5
20°-30°	1421.9	7.9
30°-40°	1598.2	8.9
40°-50°	1543.9	8.6
50°-60°	1304.5	7.2
60°-70°	937.0	5.2
70°-80°	512.1	2.8
80°-90°	136.2	0.8
90°-100°	140.2	0.8
100°-110°	578.0	3.2
110°-120°	1049.3	5.8
120°-130°	1427.9	7.9
130°-140°	1648.4	9.1
140°-150°	1661.1	9.2
150°-160°	1433.5	7.9
160°-170°	971.5	5.4
170°-180°	342.7	1.9
0°-30°	2765.7	15.3
0°-40°	4363.9	24.2
0°-60°	7212.3	40.0
0°-90°	8797.6	48.7
90°-120°	1767.5	9.8
90°-150°	6504.9	36.0
90°-180°	9253.0	51.3
0°-180°	18050.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3773	3773	3773	3773	3773	
5°	3726	3777	3732	3733	3758	354
15°	3536	3567	3513	3478	3484	997
25°	3178	3180	3088	3018	3001	1463
35°	2701	2670	2545	2446	2424	1687
45°	2164	2118	1990	1886	1857	1672
55°	1618	1558	1444	1354	1329	1446
65°	1060	1021	936	869	852	1051
75°	549	515	477	439	428	587
85°	127	119	116	101	95	151
90°	0	0	3	0	3	10
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°	3772.6	3772.6	3772.6	3772.6	3772.6
2.5°	3747.2	3792.4	3758.8	3763.5	3770.3
5°	3726.4	3777.3	3732.2	3732.8	3758.2
7.5°	3699.8	3747.9	3691.2	3680.7	3704.5
10°	3662.9	3710.9	3654.2	3634.4	3651.3
12.5°	3614.3	3660.1	3605.7	3574.2	3588.9
15°	3535.8	3566.8	3512.6	3478.1	3483.8
17.5°	3450.3	3469.5	3391.3	3362.3	3356.7
20°	3385.5	3402.5	3310.4	3269.9	3264.2
22.5°	3302.4	3317.0	3220.3	3170.4	3162.5
25°	3177.6	3180.4	3088.0	3018.3	3001.4
27.5°	3047.0	3038.0	2935.5	2852.9	2830.9
30°	2952.2	2940.9	2822.3	2735.1	2715.4
32.5°	2850.6	2830.2	2711.3	2617.3	2597.5
35°	2700.9	2669.9	2544.9	2446.2	2423.6
37.5°	2541.5	2506.4	2383.7	2276.3	2250.9
40°	2435.2	2395.6	2270.5	2163.1	2137.6
42.5°	2328.9	2284.8	2157.3	2049.8	2022.1
45°	2163.6	2118.4	1990.3	1885.7	1857.4
47.5°	2006.5	1948.9	1824.5	1720.4	1692.2
50°	1897.9	1835.7	1715.9	1614.1	1585.9
52.5°	1786.9	1722.5	1607.3	1510.1	1481.9
55°	1617.7	1558.4	1444.3	1354.2	1328.8
57.5°	1450.1	1393.1	1288.9	1202.9	1178.0
60°	1334.6	1286.6	1187.3	1105.9	1083.3
62.5°	1223.6	1180.2	1085.6	1011.1	988.5
65°	1060.1	1020.6	935.9	869.1	852.2
67.5°	901.3	861.7	793.2	733.3	714.1
70°	797.3	757.7	696.2	640.9	624.0
72.5°	697.9	656.1	606.0	555.5	543.1
75°	548.9	515.0	476.6	438.8	427.5
77.5°	417.1	384.4	356.5	329.8	327.0
80°	329.3	301.1	280.2	262.8	260.0
82.5°	246.1	224.7	210.9	198.2	197.6
85°	127.1	118.6	115.5	101.0	95.3
87.5°	37.0	37.0	32.9	27.7	28.3
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)