

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: P1057057

Luminaire Tested: CB2-D-125U-120D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057057
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-840-1D-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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19430.7 lumens
Efficiency: N/A
Efficacy: 105.4 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

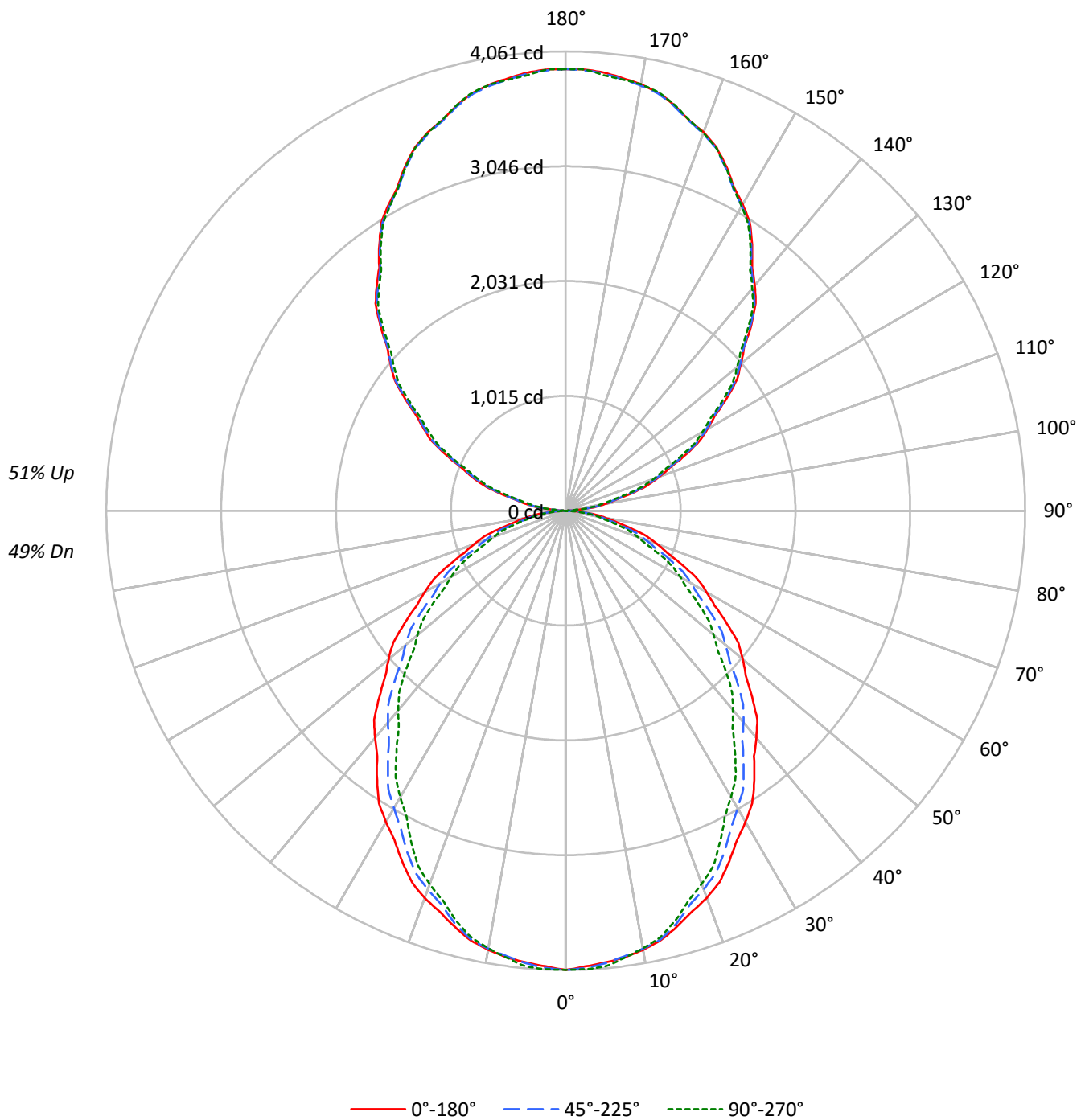
Input Watts (W): 184.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	35368	35368	35368
5°	35067	35122	35366
10°	34868	34786	34758
15°	34316	34092	33811
20°	33776	33026	32565
25°	32868	31942	31046
30°	31958	30551	29393
35°	30911	29126	27737
40°	29801	27787	26160
45°	28685	26387	24626
50°	27679	25025	23130
55°	26440	23607	21718
60°	25022	22261	20310
65°	23516	20761	18902
70°	21854	19082	17103
75°	19879	17265	15485
80°	17779	15126	14037
85°	13669	12430	10252

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 28685 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	381.9	2.0
10°-20°	1064.6	5.5
20°-30°	1530.7	7.9
30°-40°	1720.5	8.9
40°-50°	1662.0	8.6
50°-60°	1404.2	7.2
60°-70°	1008.6	5.2
70°-80°	551.3	2.8
80°-90°	146.6	0.8
90°-100°	150.9	0.8
100°-110°	622.2	3.2
110°-120°	1129.6	5.8
120°-130°	1537.1	7.9
130°-140°	1774.4	9.1
140°-150°	1788.1	9.2
150°-160°	1543.1	7.9
160°-170°	1045.9	5.4
170°-180°	368.9	1.9
0°-30°	2977.2	15.3
0°-40°	4697.7	24.2
0°-60°	7763.9	40.0
0°-90°	9470.4	48.7
90°-120°	1902.7	9.8
90°-150°	7002.4	36.0
90°-180°	9960.0	51.3
0°-180°	19430.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4061	4061	4061	4061	4061	
5°	4011	4066	4018	4018	4046	381
15°	3806	3840	3781	3744	3750	1073
25°	3421	3424	3324	3249	3231	1575
35°	2908	2874	2740	2633	2609	1816
45°	2329	2280	2142	2030	2000	1799
55°	1741	1678	1555	1458	1430	1557
65°	1141	1099	1008	936	917	1132
75°	591	554	513	472	460	632
85°	137	128	124	109	103	163
90°	0	0	3	0	3	10
95°	146	128	122	94	94	170
105°	615	606	591	557	551	653
115°	1170	1167	1145	1112	1109	1154
125°	1740	1757	1721	1685	1688	1553
135°	2318	2345	2306	2264	2279	1785
145°	2873	2906	2861	2828	2848	1795
155°	3360	3393	3345	3324	3351	1545
165°	3714	3752	3704	3684	3717	1046
175°	3890	3932	3881	3857	3866	369
180°	3906	3906	3906	3906	3906	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4061.2	4061.2	4061.2	4061.2	4061.2
2.5°	4033.8	4082.4	4046.2	4051.4	4058.7
5°	4011.4	4066.1	4017.6	4018.3	4045.6
7.5°	3982.8	4034.5	3973.5	3962.2	3987.8
10°	3943.0	3994.7	3933.7	3912.3	3930.6
12.5°	3890.8	3940.0	3881.4	3847.6	3863.4
15°	3806.2	3839.6	3781.3	3744.1	3750.2
17.5°	3714.1	3734.8	3650.7	3619.5	3613.4
20°	3644.5	3662.7	3563.6	3520.0	3513.9
22.5°	3554.9	3570.7	3466.6	3412.9	3404.4
25°	3420.6	3423.6	3324.2	3249.1	3230.9
27.5°	3280.0	3270.3	3160.0	3071.1	3047.4
30°	3178.0	3165.9	3038.1	2944.3	2923.0
32.5°	3068.6	3046.7	2918.7	2817.5	2796.2
35°	2907.5	2874.0	2739.6	2633.3	2609.0
37.5°	2735.8	2698.1	2566.1	2450.4	2423.0
40°	2621.4	2578.8	2444.2	2328.5	2301.1
42.5°	2507.0	2459.5	2322.3	2206.5	2176.7
45°	2329.1	2280.5	2142.5	2029.9	1999.5
47.5°	2159.9	2097.9	1964.0	1852.0	1821.6
50°	2043.0	1976.1	1847.1	1737.6	1707.2
52.5°	1923.6	1854.3	1730.2	1625.6	1595.2
55°	1741.4	1677.5	1554.8	1457.8	1430.4
57.5°	1561.0	1499.6	1387.5	1294.9	1268.1
60°	1436.6	1385.0	1278.1	1190.4	1166.1
62.5°	1317.2	1270.4	1168.6	1088.4	1064.1
65°	1141.2	1098.7	1007.5	935.6	917.3
67.5°	970.2	927.6	853.9	789.4	768.7
70°	858.3	815.7	749.4	689.9	671.7
72.5°	751.3	706.3	652.4	598.0	584.6
75°	590.8	554.3	513.1	472.4	460.2
77.5°	449.0	413.8	383.7	355.0	352.0
80°	354.5	324.1	301.6	282.9	279.9
82.5°	264.9	241.8	227.0	213.3	212.7
85°	136.8	127.7	124.4	108.7	102.6
87.5°	39.8	39.8	35.4	29.9	30.5
90°	0.0	0.0	3.0	0.1	3.0
92.5°	36.6	31.8	29.9	19.6	22.5
95°	146.2	128.4	121.9	94.4	94.4
97.5°	276.0	258.1	248.6	220.4	214.5
100°	368.6	350.7	341.2	310.6	304.6
102.5°	463.7	455.3	438.7	405.6	399.7
105°	615.4	606.4	591.0	557.4	551.4
107.5°	771.4	773.1	750.0	722.4	714.1
110°	883.5	880.5	862.1	834.6	828.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	998.0	992.6	974.2	946.7	940.7
115°	1169.8	1166.8	1145.4	1111.9	1108.9
117.5°	1333.1	1342.6	1317.3	1281.9	1280.7
120°	1450.1	1462.0	1431.8	1401.2	1395.3
122.5°	1564.6	1578.9	1548.8	1513.5	1514.7
125°	1739.5	1757.4	1721.2	1684.7	1687.7
127.5°	1908.3	1930.3	1896.7	1859.6	1863.2
130°	2022.8	2049.6	2013.7	1974.2	1980.2
132.5°	2139.8	2166.6	2130.7	2088.9	2099.6
135°	2318.3	2345.1	2306.1	2263.8	2278.7
137.5°	2486.5	2513.3	2470.6	2435.1	2453.0
140°	2598.6	2625.4	2580.3	2547.2	2565.1
142.5°	2708.3	2739.8	2692.4	2657.0	2679.6
145°	2872.8	2905.5	2860.6	2827.5	2848.4
147.5°	3028.7	3061.5	3015.9	2984.1	3005.6
150°	3128.7	3161.4	3113.4	3086.6	3110.4
152.5°	3221.3	3258.8	3208.5	3181.8	3212.7
155°	3360.2	3393.0	3345.0	3324.2	3351.0
157.5°	3480.8	3519.0	3471.1	3453.3	3474.7
160°	3561.3	3597.0	3549.1	3531.3	3555.2
162.5°	3622.2	3660.3	3614.9	3594.8	3623.4
165°	3713.6	3752.3	3704.4	3683.9	3716.6
167.5°	3785.5	3826.6	3778.2	3757.0	3790.3
170°	3829.3	3868.1	3817.2	3793.6	3829.3
172.5°	3858.6	3899.7	3846.4	3822.6	3846.4
175°	3890.3	3932.0	3881.1	3857.0	3865.9
177.5°	3905.5	3938.9	3898.2	3876.9	3905.5
180°	3905.5	3905.5	3905.5	3905.5	3905.5

(END OF REPORT)