

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: P1057048

Luminaire Tested: CB2-D-125U-030D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057048
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-030D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 300 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: 12241.9 lumens
Efficiency: N/A
Efficacy: 107.1 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: Semi-Indirect

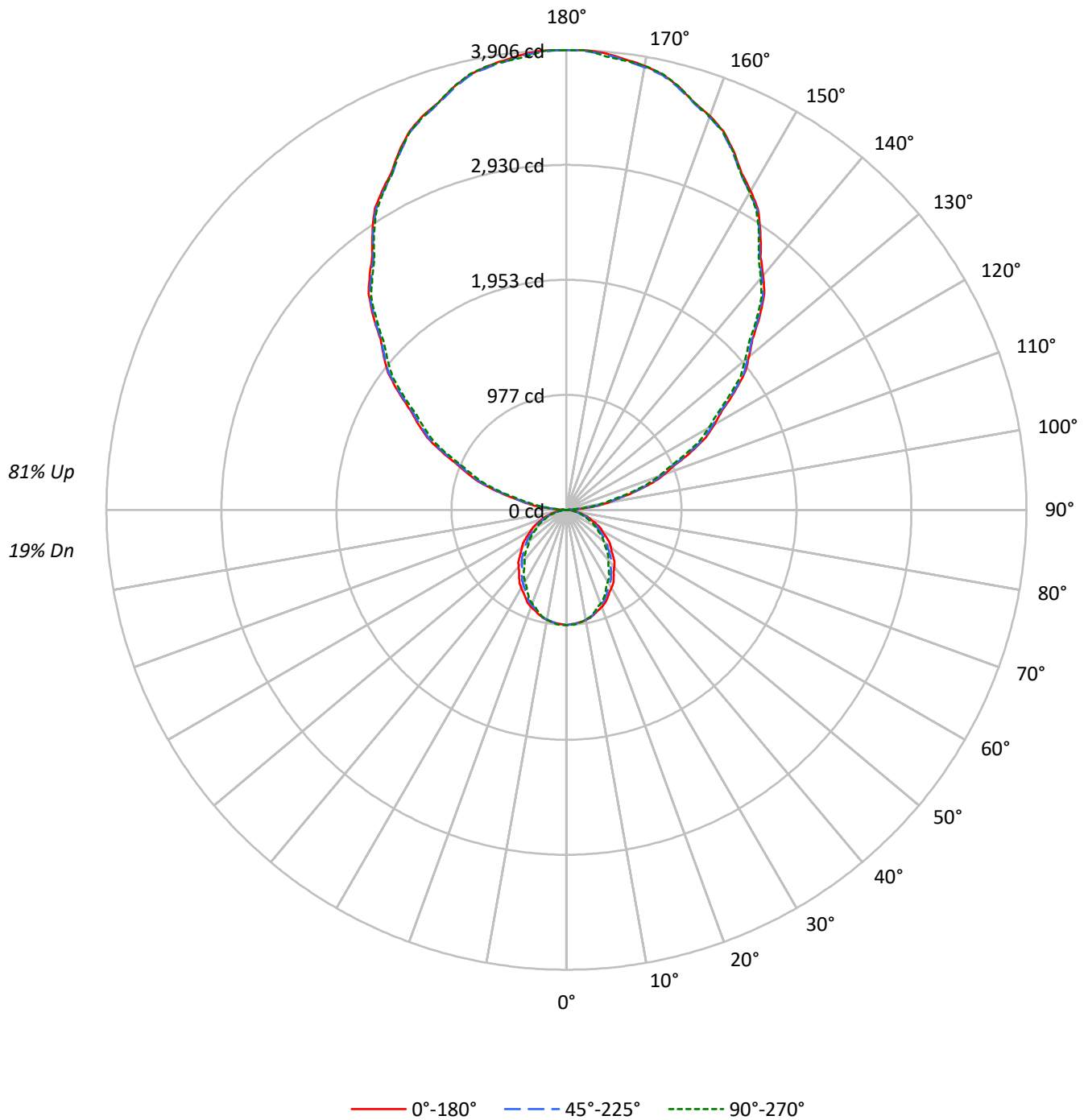
Input Watts (W): 114.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	100	100	100	100	88	88	88	88	66	66	66	46	46	46	27	27	27
1	91	87	83	80	80	77	74	71	58	56	54	40	39	38	24	24	23
2	83	76	70	65	73	67	62	58	51	47	45	35	33	32	21	20	20
3	75	67	60	54	66	59	53	49	45	41	38	31	29	27	19	18	17
4	69	59	51	46	60	52	46	41	40	35	32	28	25	23	17	16	14
5	63	52	45	39	55	46	40	35	35	31	27	25	22	20	15	14	13
6	58	47	39	34	51	41	35	30	32	27	24	22	20	17	14	12	11
7	53	42	34	29	47	37	31	26	29	24	21	20	17	15	13	11	10
8	49	38	31	26	44	34	27	23	26	21	18	19	16	13	12	10	9
9	46	34	27	23	40	31	25	20	24	19	16	17	14	12	11	9	8
10	43	31	25	20	38	28	22	18	22	17	14	16	13	11	10	8	7

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8521	8521	8521
5°	8448	8461	8520
10°	8400	8380	8373
15°	8267	8213	8145
20°	8137	7956	7845
25°	7918	7695	7479
30°	7699	7360	7081
35°	7446	7017	6682
40°	7179	6694	6303
45°	6910	6356	5933
50°	6668	6029	5572
55°	6369	5688	5232
60°	6028	5363	4893
65°	5665	5001	4554
70°	5266	4596	4120
75°	4788	4159	3732
80°	4283	3646	3380
85°	3297	2998	2468

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 6910 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.0	0.8
10°-20°	256.5	2.1
20°-30°	368.8	3.0
30°-40°	414.5	3.4
40°-50°	400.4	3.3
50°-60°	338.3	2.8
60°-70°	243.0	2.0
70°-80°	132.8	1.1
80°-90°	35.5	0.3
90°-100°	150.9	1.2
100°-110°	622.2	5.1
110°-120°	1129.6	9.2
120°-130°	1537.1	12.6
130°-140°	1774.4	14.5
140°-150°	1788.1	14.6
150°-160°	1543.1	12.6
160°-170°	1045.9	8.5
170°-180°	368.9	3.0
0°-30°	717.2	5.9
0°-40°	1131.7	9.2
0°-60°	1870.4	15.3
0°-90°	2281.7	18.6
90°-120°	1902.7	15.5
90°-150°	7002.4	57.2
90°-180°	9960.0	81.4
0°-180°	12241.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	978	978	978	978	978	
5°	966	980	968	968	975	92
15°	917	925	911	902	903	258
25°	824	825	801	783	778	379
35°	700	692	660	634	628	438
45°	561	549	516	489	482	433
55°	420	404	375	351	345	375
65°	275	265	243	225	221	273
75°	142	134	124	114	111	152
85°	33	31	30	26	25	39
90°	0	0	3	0	3	6
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°	978.4	978.4	978.4	978.4	978.4
2.5°	971.8	983.5	974.8	976.0	977.8
5°	966.4	979.6	967.9	968.0	974.6
7.5°	959.5	971.9	957.2	954.5	960.7
10°	949.9	962.3	947.6	942.5	946.9
12.5°	937.3	949.2	935.1	926.9	930.7
15°	916.9	925.0	910.9	902.0	903.4
17.5°	894.8	899.7	879.5	872.0	870.5
20°	878.0	882.4	858.5	848.0	846.5
22.5°	856.4	860.2	835.1	822.2	820.1
25°	824.0	824.8	800.8	782.7	778.3
27.5°	790.2	787.8	761.3	739.9	734.1
30°	765.6	762.7	731.9	709.3	704.2
32.5°	739.2	734.0	703.1	678.7	673.6
35°	700.4	692.4	660.0	634.4	628.5
37.5°	659.1	650.0	618.2	590.3	583.7
40°	631.5	621.3	588.8	560.9	554.4
42.5°	603.9	592.5	559.4	531.6	524.4
45°	561.1	549.4	516.1	489.0	481.7
47.5°	520.3	505.4	473.1	446.2	438.8
50°	492.2	476.1	445.0	418.6	411.3
52.5°	463.4	446.7	416.8	391.6	384.3
55°	419.5	404.1	374.6	351.2	344.6
57.5°	376.1	361.3	334.3	311.9	305.5
60°	346.1	333.6	307.9	286.8	280.9
62.5°	317.3	306.1	281.5	262.2	256.4
65°	274.9	264.7	242.7	225.4	221.0
67.5°	233.7	223.5	205.7	190.2	185.2
70°	206.8	196.5	180.5	166.2	161.8
72.5°	181.0	170.1	157.2	144.1	140.8
75°	142.3	133.5	123.6	113.8	110.9
77.5°	108.2	99.7	92.4	85.5	84.8
80°	85.4	78.1	72.7	68.2	67.4
82.5°	63.8	58.3	54.7	51.4	51.2
85°	33.0	30.8	30.0	26.2	24.7
87.5°	9.6	9.6	9.0	7.2	7.8
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)