

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: P1057051

Luminaire Tested: CB2-D-125U-055D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057051
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-055D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 550 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: 14318.8 lumens
Efficiency: N/A
Efficacy: 108.1 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

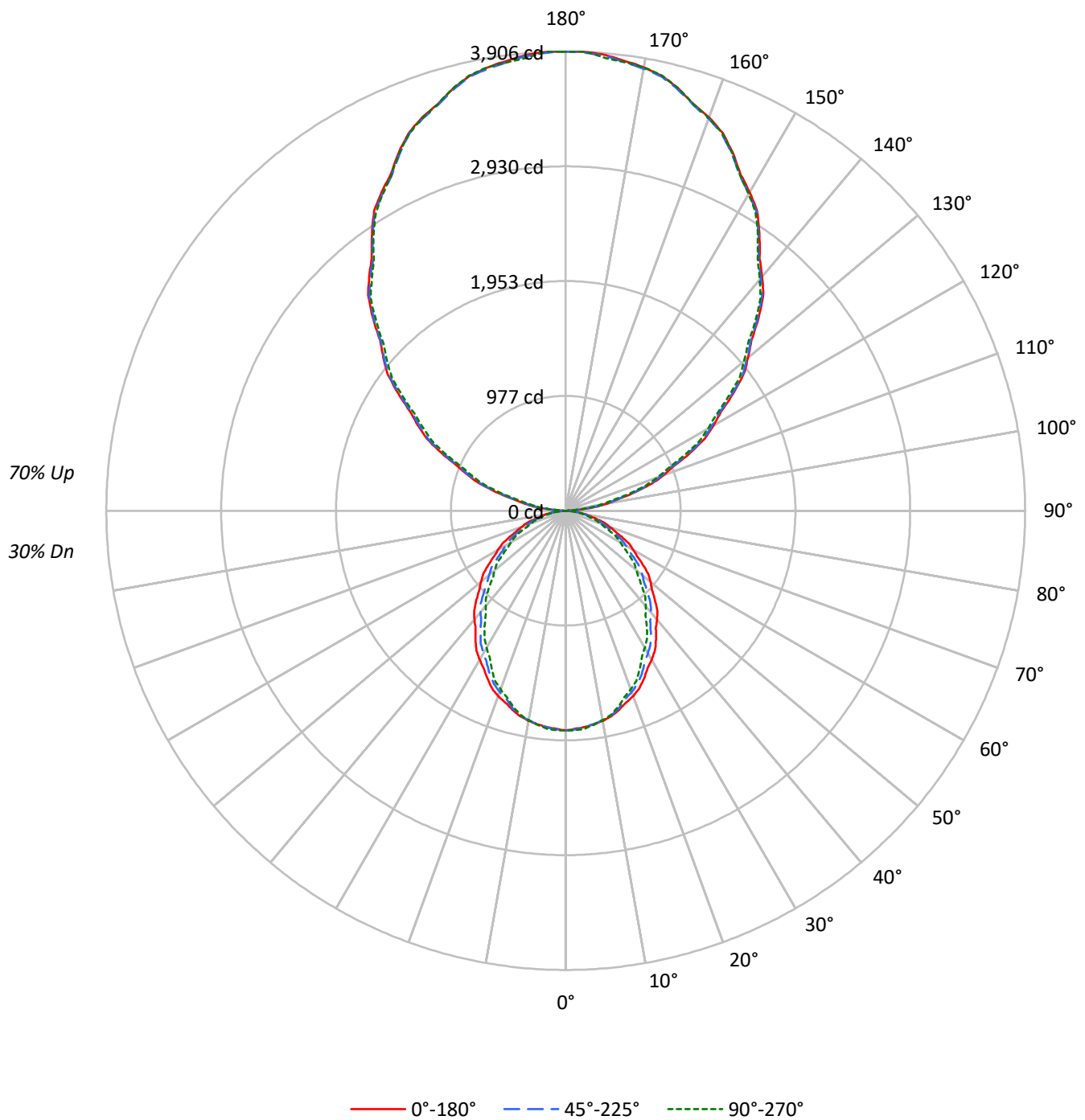
Input Watts (W): 132.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	102	102	102	102	92	92	92	92	72	72	72	55	55	55	38	38	38
1	94	89	86	82	84	80	77	74	64	61	60	48	47	46	34	33	32
2	85	78	72	67	76	70	65	61	56	52	49	42	40	38	30	29	27
3	78	69	62	56	70	62	56	51	49	45	42	38	35	32	27	25	23
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20
5	65	54	46	41	58	49	42	37	39	34	31	30	27	24	21	19	18
6	60	48	41	35	54	44	37	32	35	30	27	27	24	21	20	17	16
7	55	44	36	31	50	40	33	28	32	27	23	25	21	19	18	16	14
8	51	39	32	27	46	36	29	25	29	24	21	22	19	17	16	14	12
9	48	36	29	24	43	33	26	22	26	22	18	21	17	15	15	13	11
10	45	33	26	21	40	30	24	20	24	20	17	19	16	13	14	12	10

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16277	16277	16277
5°	16138	16164	16277
10°	16047	16009	15996
15°	15793	15689	15561
20°	15544	15199	14988
25°	15126	14701	14288
30°	14708	14060	13527
35°	14226	13404	12765
40°	13715	12788	12039
45°	13201	12143	11333
50°	12738	11517	10645
55°	12168	10865	9995
60°	11516	10245	9348
65°	10823	9555	8700
70°	10058	8782	7870
75°	9149	7944	7127
80°	8180	6961	6459
85°	6295	5715	4716

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13201 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.8	1.2
10°-20°	489.9	3.4
20°-30°	704.5	4.9
30°-40°	791.8	5.5
40°-50°	764.9	5.3
50°-60°	646.3	4.5
60°-70°	464.2	3.2
70°-80°	253.7	1.8
80°-90°	67.6	0.5
90°-100°	150.9	1.1
100°-110°	622.2	4.3
110°-120°	1129.6	7.9
120°-130°	1537.1	10.7
130°-140°	1774.4	12.4
140°-150°	1788.1	12.5
150°-160°	1543.1	10.8
160°-170°	1045.9	7.3
170°-180°	368.9	2.6
0°-30°	1370.2	9.6
0°-40°	2162.0	15.1
0°-60°	3573.1	25.0
0°-90°	4358.6	30.4
90°-120°	1902.7	13.3
90°-150°	7002.4	48.9
90°-180°	9960.0	69.6
0°-180°	14318.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1869	1869	1869	1869	1869	
5°	1846	1871	1849	1849	1862	175
15°	1752	1767	1740	1723	1726	494
25°	1574	1576	1530	1495	1487	725
35°	1338	1323	1261	1212	1201	836
45°	1072	1050	986	934	920	828
55°	801	772	716	671	658	716
65°	525	506	464	431	422	521
75°	272	255	236	217	212	291
85°	63	59	57	50	47	75
90°	0	0	3	0	3	8
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°	1869.0	1869.0	1869.0	1869.0	1869.0
2.5°	1856.4	1878.8	1862.2	1864.5	1867.9
5°	1846.1	1871.3	1849.0	1849.3	1861.9
7.5°	1833.0	1856.8	1828.7	1823.5	1835.3
10°	1814.6	1838.4	1810.4	1800.5	1808.9
12.5°	1790.6	1813.3	1786.3	1770.7	1778.0
15°	1751.7	1767.1	1740.2	1723.1	1725.9
17.5°	1709.3	1718.8	1680.1	1665.7	1662.9
20°	1677.3	1685.7	1640.0	1620.0	1617.2
22.5°	1636.0	1643.3	1595.4	1570.7	1566.8
25°	1574.2	1575.6	1529.9	1495.3	1486.9
27.5°	1509.5	1505.1	1454.3	1413.4	1402.5
30°	1462.6	1457.0	1398.2	1355.0	1345.2
32.5°	1412.2	1402.1	1343.2	1296.6	1286.9
35°	1338.1	1322.7	1260.8	1211.9	1200.7
37.5°	1259.1	1241.7	1181.0	1127.7	1115.1
40°	1206.4	1186.8	1124.9	1071.6	1059.0
42.5°	1153.8	1131.9	1068.8	1015.5	1001.8
45°	1071.9	1049.5	986.0	934.2	920.2
47.5°	994.0	965.5	903.9	852.3	838.3
50°	940.2	909.5	850.1	799.7	785.7
52.5°	885.3	853.4	796.3	748.2	734.2
55°	801.4	772.0	715.6	670.9	658.3
57.5°	718.4	690.2	638.6	595.9	583.6
60°	661.2	637.4	588.2	547.9	536.7
62.5°	606.2	584.7	537.8	500.9	489.7
65°	525.2	505.6	463.7	430.6	422.2
67.5°	446.5	426.9	393.0	363.3	353.8
70°	395.0	375.4	344.9	317.5	309.1
72.5°	345.8	325.0	300.2	275.2	269.0
75°	271.9	255.1	236.1	217.4	211.8
77.5°	206.7	190.4	176.6	163.4	162.0
80°	163.1	149.2	138.8	130.2	128.8
82.5°	121.9	111.3	104.5	98.2	97.9
85°	63.0	58.8	57.2	50.0	47.2
87.5°	18.3	18.3	16.6	13.8	14.3
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)