

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: P1057161

Luminaire Tested: CB3-D-125U-085D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057161
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-125U-085D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16836.9 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

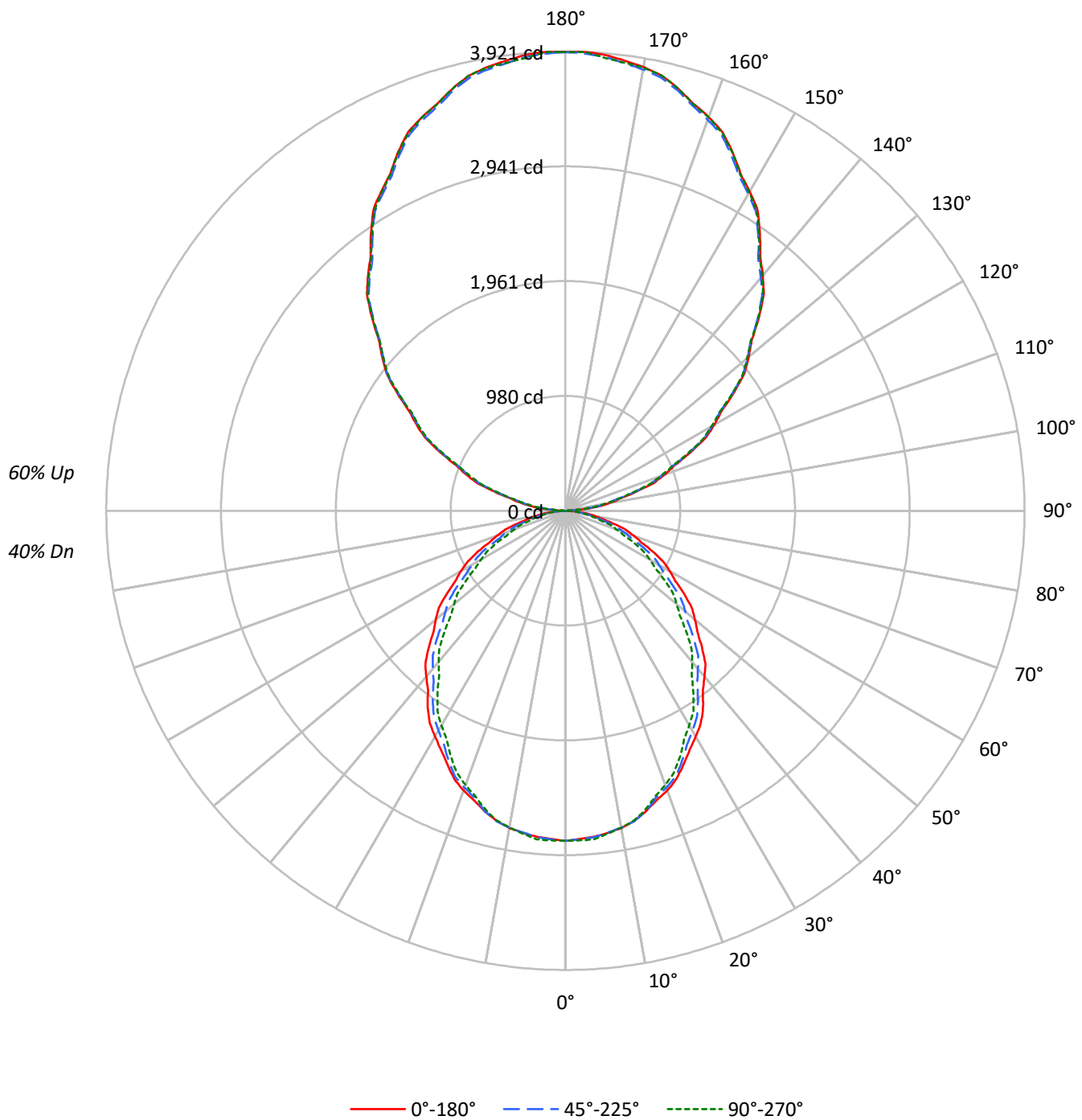
Input Watts (W): 144.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	92	88	84	87	83	80	77	68	66	64	55	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	34	30	34	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	15
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14
10	46	34	27	22	42	31	25	21	27	22	18	22	18	15	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15948	15948	15948
5°	15873	15884	15992
10°	15803	15780	15780
15°	15562	15562	15468
20°	15310	15153	15003
25°	14906	14719	14457
30°	14541	14162	13823
35°	14158	13633	13150
40°	13648	12998	12436
45°	13185	12433	11665
50°	12709	11758	10913
55°	12191	11106	10199
60°	11631	10432	9391
65°	10977	9665	8540
70°	10222	8767	7609
75°	9268	7694	6776
80°	8080	6451	5995
85°	6231	5452	5452

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13185 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	266.0	1.6
10°-20°	747.3	4.4
20°-30°	1084.8	6.4
30°-40°	1233.0	7.3
40°-50°	1197.0	7.1
50°-60°	1010.6	6.0
60°-70°	719.0	4.3
70°-80°	384.2	2.3
80°-90°	101.5	0.6
90°-100°	165.5	1.0
100°-110°	647.4	3.8
110°-120°	1154.0	6.9
120°-130°	1561.7	9.3
130°-140°	1795.4	10.7
140°-150°	1801.6	10.7
150°-160°	1549.3	9.2
160°-170°	1048.8	6.2
170°-180°	369.9	2.2
0°-30°	2098.1	12.5
0°-40°	3331.1	19.8
0°-60°	5538.7	32.9
0°-90°	6743.3	40.1
90°-120°	1966.9	11.7
90°-150°	7125.6	42.3
90°-180°	10094.0	60.0
0°-180°	16836.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2819	2819	2819	2819	2819	
5°	2795	2830	2797	2794	2816	265
15°	2657	2680	2657	2641	2641	748
25°	2388	2396	2358	2326	2316	1101
35°	2050	2030	1974	1916	1904	1277
45°	1648	1623	1554	1480	1458	1271
55°	1236	1203	1126	1054	1034	1105
65°	820	791	722	658	638	812
75°	424	400	352	316	310	452
85°	96	88	84	84	84	114
90°	0	0	0	0	0	10
95°	159	144	129	120	123	182
105°	628	625	604	594	589	670
115°	1177	1183	1156	1153	1150	1167
125°	1754	1774	1739	1733	1736	1568
135°	2336	2360	2321	2304	2327	1801
145°	2895	2918	2871	2856	2883	1809
155°	3378	3408	3351	3337	3372	1554
165°	3730	3762	3712	3692	3730	1051
175°	3907	3942	3889	3865	3880	371
180°	3916	3916	3916	3916	3916	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2819.0	2819.0	2819.0	2819.0	2819.0
2.5°	2804.6	2832.8	2807.8	2811.1	2817.4
5°	2795.0	2830.2	2797.0	2793.5	2816.0
7.5°	2773.4	2805.5	2771.0	2763.0	2780.6
10°	2751.0	2786.2	2747.0	2737.2	2747.0
12.5°	2711.0	2747.8	2716.6	2700.4	2708.6
15°	2657.0	2680.5	2657.0	2641.0	2641.0
17.5°	2591.0	2615.6	2571.4	2560.1	2555.2
20°	2543.0	2564.5	2517.0	2500.8	2492.0
22.5°	2479.0	2498.9	2459.4	2429.6	2421.6
25°	2388.0	2395.8	2358.0	2325.8	2316.0
27.5°	2299.6	2301.6	2249.6	2210.5	2197.6
30°	2226.0	2228.0	2168.0	2125.8	2116.0
32.5°	2152.4	2146.5	2089.6	2039.4	2032.8
35°	2050.0	2030.4	1974.0	1915.7	1904.0
37.5°	1926.4	1914.7	1848.0	1789.6	1772.0
40°	1848.0	1828.4	1760.0	1701.6	1684.0
42.5°	1769.6	1746.9	1676.8	1612.0	1592.8
45°	1648.0	1622.6	1554.0	1479.5	1458.0
47.5°	1525.6	1497.8	1422.4	1350.3	1326.4
50°	1444.0	1414.7	1336.0	1265.4	1240.0
52.5°	1360.8	1329.9	1251.2	1179.1	1158.4
55°	1236.0	1202.8	1126.0	1053.6	1034.0
57.5°	1111.2	1078.3	1002.0	933.5	910.0
60°	1028.0	996.7	922.0	853.5	830.0
62.5°	943.2	913.5	840.4	773.5	751.6
65°	820.0	790.7	722.0	657.6	638.0
67.5°	698.0	673.0	605.2	546.0	530.4
70°	618.0	594.5	530.0	475.6	460.0
72.5°	541.2	516.2	454.8	408.6	397.6
75°	424.0	400.5	352.0	315.9	310.0
77.5°	316.8	297.6	255.6	235.1	232.0
80°	248.0	230.4	198.0	184.0	184.0
82.5°	184.0	169.5	148.4	142.4	142.4
85°	96.0	88.2	84.0	84.0	84.0
87.5°	28.8	28.8	27.2	25.6	25.6
90°	0.0	0.0	0.0	0.0	0.0
92.5°	43.2	38.5	24.0	19.2	19.2
95°	159.2	144.5	129.1	120.2	123.1
97.5°	293.7	279.6	260.7	251.7	254.0
100°	387.4	375.6	354.3	345.3	345.3
102.5°	478.7	471.6	450.4	441.5	443.8
105°	627.6	624.7	603.6	594.4	588.6
107.5°	792.2	786.9	763.3	762.6	757.3
110°	897.9	894.9	873.9	870.8	867.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1006.0	1010.1	986.8	983.7	980.8
115°	1177.2	1183.0	1156.1	1153.1	1150.1
117.5°	1352.5	1360.7	1332.1	1329.0	1323.7
120°	1465.4	1483.1	1447.4	1444.3	1441.4
122.5°	1580.7	1596.0	1562.7	1557.3	1556.7
125°	1753.7	1774.3	1738.7	1732.8	1735.7
127.5°	1926.7	1947.8	1914.7	1902.8	1909.3
130°	2042.0	2065.5	2030.0	2018.2	2027.0
132.5°	2159.7	2183.2	2147.7	2136.0	2149.5
135°	2336.3	2359.8	2321.3	2303.8	2327.3
137.5°	2508.7	2529.2	2487.0	2475.0	2499.6
140°	2621.6	2642.1	2597.5	2583.2	2612.6
142.5°	2732.1	2755.0	2705.6	2691.4	2723.1
145°	2894.8	2918.3	2870.8	2856.4	2882.8
147.5°	3051.0	3075.1	3027.0	3010.2	3037.2
150°	3147.1	3173.5	3123.1	3108.7	3138.1
152.5°	3240.8	3269.5	3216.7	3200.2	3236.6
155°	3378.3	3407.7	3351.3	3337.1	3372.3
157.5°	3502.0	3529.0	3478.0	3463.7	3494.2
160°	3576.5	3605.9	3552.5	3538.3	3573.5
162.5°	3641.4	3670.7	3622.1	3603.1	3638.4
165°	3729.7	3761.9	3711.6	3691.5	3729.7
167.5°	3803.5	3838.2	3784.9	3766.6	3804.7
170°	3846.8	3879.1	3825.7	3802.6	3840.8
172.5°	3875.6	3907.9	3854.6	3831.2	3857.6
175°	3906.8	3942.1	3888.8	3865.1	3879.8
177.5°	3920.6	3948.8	3906.2	3885.3	3918.2
180°	3915.8	3915.8	3915.8	3915.8	3915.8

(END OF REPORT)