

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: P1057053

Luminaire Tested: CB2-D-125U-085D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057053
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-085D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-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: 16837.5 lumens
Efficiency: N/A
Efficacy: 111.0 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

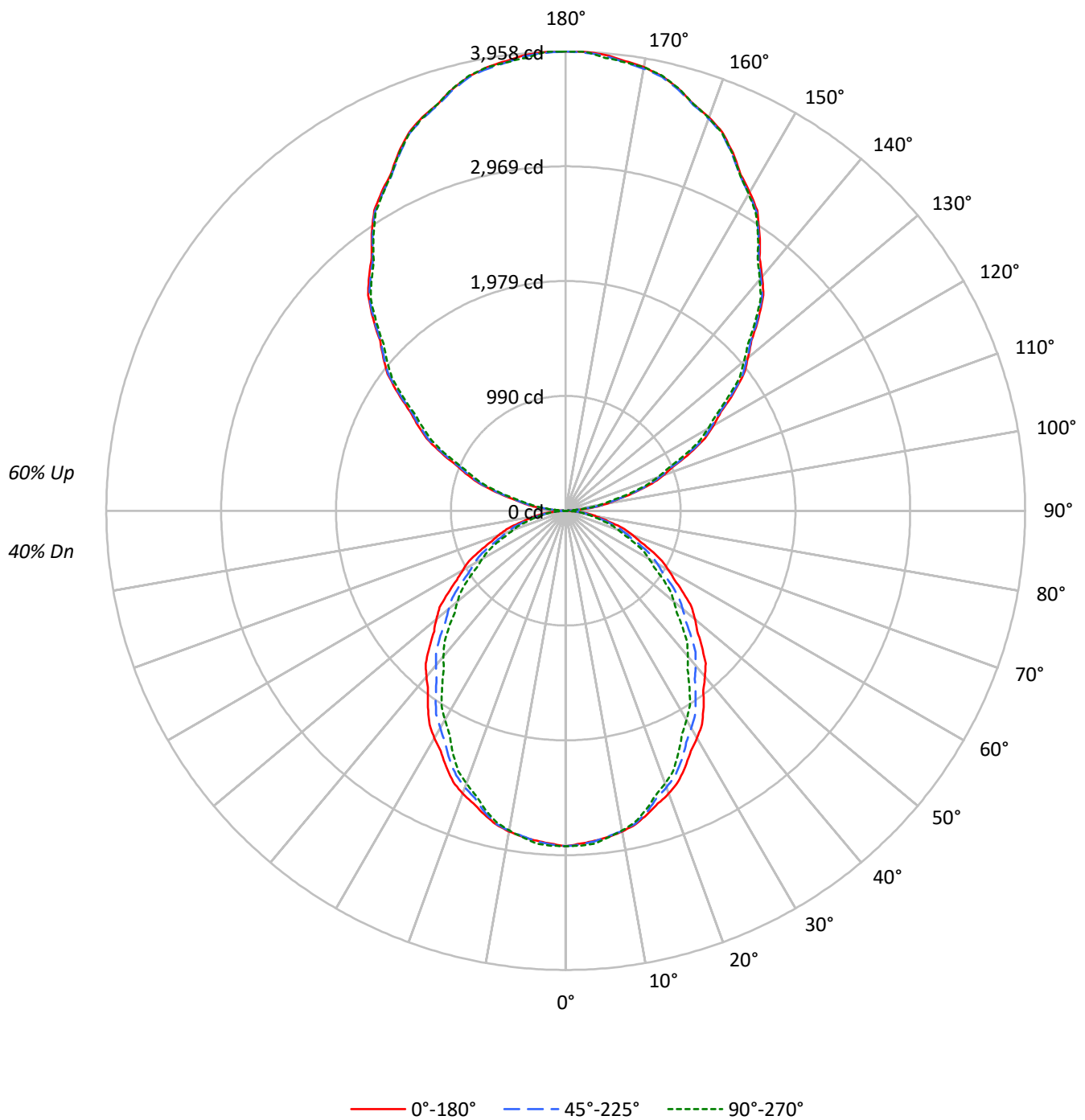
Input Watts (W): 151.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P1057053

CATALOG NUMBER: CB2-D-125U-085D-835-1D-UNV-STD-W-8

Luminous Intensity Polar Plot



TEST NUMBER: P1057053

CATALOG NUMBER: CB2-D-125U-085D-835-1D-UNV-STD-W-8

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	91	88	84	87	83	80	77	68	66	64	54	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	35	30	35	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	16
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14
10	46	34	27	22	42	32	25	21	27	22	18	22	18	15	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25180	25180	25180
5°	24967	25005	25179
10°	24825	24766	24746
15°	24431	24272	24072
20°	24047	23514	23185
25°	23401	22742	22103
30°	22752	21751	20927
35°	22007	20736	19748
40°	21217	19782	18625
45°	20422	18787	17533
50°	19706	17817	16467
55°	18824	16808	15462
60°	17814	15848	14460
65°	16743	14781	13458
70°	15558	13587	12176
75°	14152	12292	11026
80°	12658	10772	9995
85°	9732	8853	7304

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 20422 cd/sqm

TEST NUMBER: P1057053

CATALOG NUMBER: CB2-D-125U-085D-835-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.9	1.6
10°-20°	757.9	4.5
20°-30°	1089.8	6.5
30°-40°	1224.9	7.3
40°-50°	1183.3	7.0
50°-60°	999.8	5.9
60°-70°	718.1	4.3
70°-80°	392.5	2.3
80°-90°	104.5	0.6
90°-100°	152.9	0.9
100°-110°	630.7	3.7
110°-120°	1144.9	6.8
120°-130°	1557.9	9.3
130°-140°	1798.4	10.7
140°-150°	1812.3	10.8
150°-160°	1564.0	9.3
160°-170°	1060.0	6.3
170°-180°	373.9	2.2
0°-30°	2119.6	12.6
0°-40°	3344.5	19.9
0°-60°	5527.6	32.8
0°-90°	6742.6	40.0
90°-120°	1928.4	11.5
90°-150°	7097.0	42.2
90°-180°	10095.0	60.0
0°-180°	16837.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2891	2891	2891	2891	2891	
5°	2856	2895	2860	2861	2880	271
15°	2710	2734	2692	2666	2670	764
25°	2435	2438	2367	2313	2300	1121
35°	2070	2046	1950	1875	1858	1293
45°	1658	1624	1525	1445	1424	1281
55°	1240	1194	1107	1038	1018	1108
65°	812	782	717	666	653	806
75°	421	395	365	336	328	450
85°	97	91	89	77	73	116
90°	0	0	3	0	3	9
95°	148	130	124	96	96	172
105°	624	615	599	565	559	662
115°	1186	1183	1161	1127	1124	1170
125°	1763	1781	1744	1708	1710	1574
135°	2350	2377	2337	2294	2310	1809
145°	2912	2945	2899	2866	2887	1819
155°	3406	3439	3390	3369	3396	1566
165°	3764	3803	3754	3734	3767	1060
175°	3943	3985	3934	3909	3918	374
180°	3958	3958	3958	3958	3958	

TEST NUMBER: P1057053

CATALOG NUMBER: CB2-D-125U-085D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2891.4	2891.4	2891.4	2891.4	2891.4
2.5°	2871.9	2906.5	2880.8	2884.4	2889.6
5°	2856.0	2894.9	2860.4	2860.8	2880.3
7.5°	2835.6	2872.4	2829.0	2821.0	2839.1
10°	2807.3	2844.1	2800.6	2785.4	2798.4
12.5°	2770.1	2805.1	2763.4	2739.3	2750.6
15°	2709.8	2733.7	2692.1	2665.7	2670.0
17.5°	2644.3	2659.0	2599.1	2576.9	2572.6
20°	2594.7	2607.7	2537.2	2506.1	2501.7
22.5°	2531.0	2542.2	2468.1	2429.9	2423.8
25°	2435.3	2437.5	2366.7	2313.3	2300.3
27.5°	2335.2	2328.3	2249.8	2186.5	2169.6
30°	2262.6	2254.0	2163.0	2096.2	2081.1
32.5°	2184.7	2169.1	2078.0	2005.9	1990.8
35°	2070.0	2046.2	1950.5	1874.8	1857.5
37.5°	1947.8	1921.0	1826.9	1744.6	1725.1
40°	1866.3	1836.0	1740.1	1657.8	1638.3
42.5°	1784.9	1751.1	1653.4	1571.0	1549.7
45°	1658.2	1623.6	1525.4	1445.2	1423.6
47.5°	1537.8	1493.6	1398.3	1318.6	1296.9
50°	1454.5	1406.9	1315.1	1237.1	1215.4
52.5°	1369.5	1320.2	1231.8	1157.4	1135.7
55°	1239.8	1194.3	1107.0	1037.9	1018.4
57.5°	1111.4	1067.7	987.9	921.9	902.8
60°	1022.8	986.0	909.9	847.5	830.2
62.5°	937.8	904.5	832.0	774.9	757.6
65°	812.5	782.2	717.3	666.1	653.1
67.5°	690.7	660.4	607.9	562.0	547.3
70°	611.0	580.7	533.6	491.2	478.2
72.5°	534.9	502.8	464.5	425.7	416.2
75°	420.6	394.7	365.3	336.3	327.7
77.5°	319.7	294.6	273.2	252.8	250.6
80°	252.4	230.7	214.8	201.4	199.3
82.5°	188.6	172.2	161.6	151.9	151.4
85°	97.4	90.9	88.6	77.4	73.1
87.5°	28.3	28.3	25.4	21.3	21.9
90°	0.0	0.0	3.1	0.1	3.1
92.5°	37.1	32.2	30.3	19.8	22.8
95°	148.2	130.1	123.5	95.7	95.7
97.5°	279.7	261.6	251.9	223.4	217.4
100°	373.6	355.5	345.8	314.8	308.8
102.5°	469.9	461.5	444.6	411.1	405.1
105°	623.7	614.6	599.0	564.9	558.8
107.5°	781.8	783.6	760.2	732.2	723.7
110°	895.4	892.4	873.8	845.9	839.8

TEST NUMBER: P1057053

CATALOG NUMBER: CB2-D-125U-085D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1011.5	1006.1	987.4	959.5	953.4
115°	1185.6	1182.6	1160.9	1126.9	1123.9
117.5°	1351.1	1360.8	1335.1	1299.2	1298.0
120°	1469.7	1481.8	1451.2	1420.1	1414.1
122.5°	1585.8	1600.3	1569.7	1533.9	1535.1
125°	1763.0	1781.1	1744.5	1707.5	1710.5
127.5°	1934.1	1956.4	1922.3	1884.7	1888.4
130°	2050.1	2077.3	2040.9	2000.9	2006.9
132.5°	2168.7	2195.9	2159.4	2117.1	2128.0
135°	2349.6	2376.8	2337.3	2294.4	2309.5
137.5°	2520.1	2547.2	2504.0	2468.0	2486.1
140°	2633.7	2660.9	2615.2	2581.6	2599.7
142.5°	2744.8	2776.8	2728.8	2692.9	2715.8
145°	2911.6	2944.8	2899.2	2865.7	2886.9
147.5°	3069.7	3102.9	3056.7	3024.5	3046.2
150°	3170.9	3204.1	3155.5	3128.3	3152.4
152.5°	3264.8	3302.8	3251.8	3224.8	3256.1
155°	3405.6	3438.8	3390.1	3369.2	3396.3
157.5°	3527.9	3566.5	3518.0	3499.9	3521.7
160°	3609.4	3645.6	3597.0	3579.0	3603.2
162.5°	3671.1	3709.8	3663.7	3643.4	3672.4
165°	3763.7	3803.0	3754.5	3733.6	3766.8
167.5°	3836.6	3878.3	3829.2	3807.7	3841.6
170°	3881.1	3920.3	3868.7	3844.8	3881.1
172.5°	3910.7	3952.4	3898.4	3874.2	3898.4
175°	3942.8	3985.1	3933.6	3909.1	3918.1
177.5°	3958.3	3992.1	3950.9	3929.3	3958.3
180°	3958.3	3958.3	3958.3	3958.3	3958.3

(END OF REPORT)