

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: P1057164

Luminaire Tested: CB3-D-125U-120D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057164
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-120D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 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: 19692.5 lumens
Efficiency: N/A
Efficacy: 116.3 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

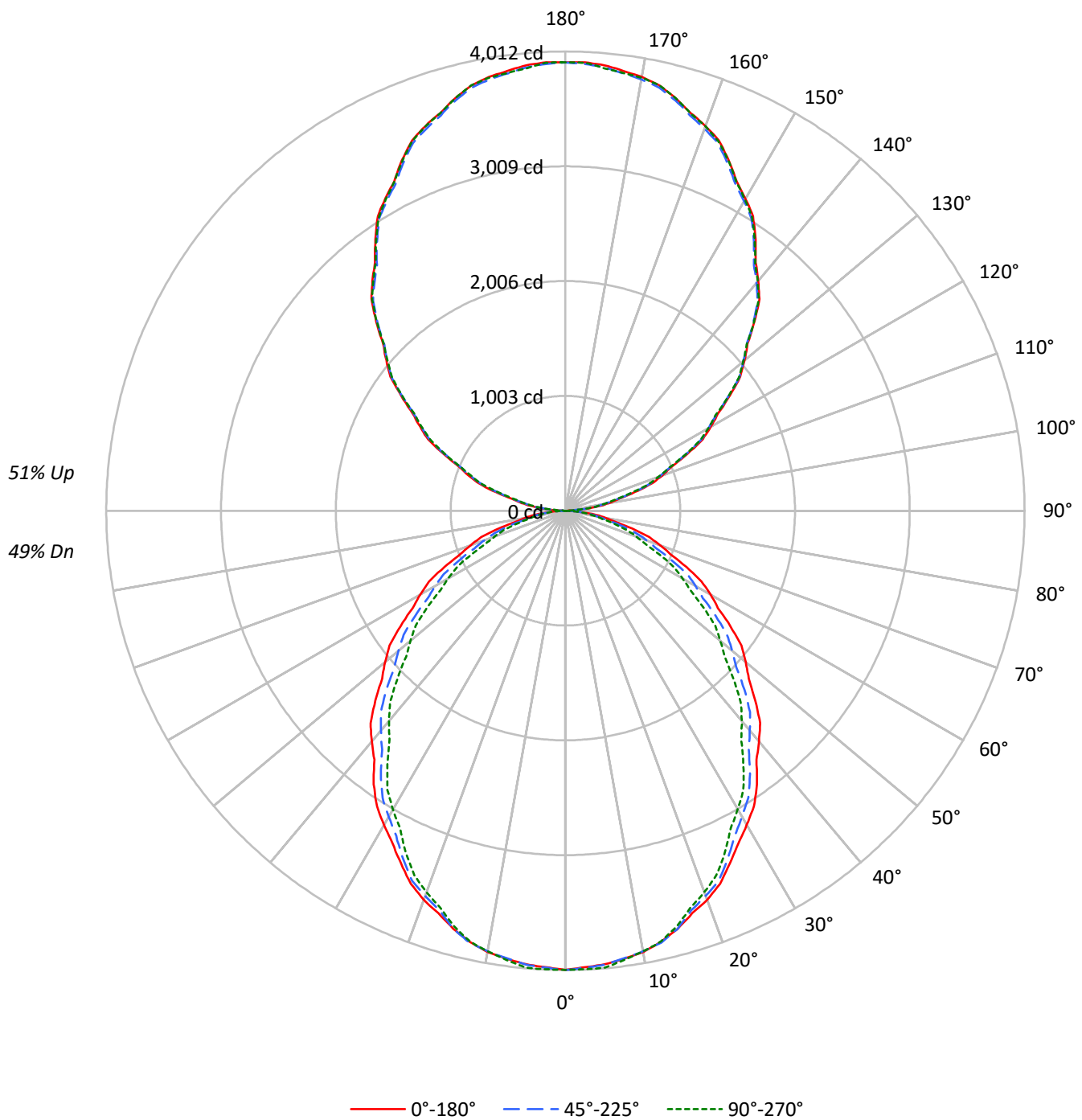
Input Watts (W): 169.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P1057164

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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	0
RCR																		
0	107	107	107	107	98	98	98	98	83	83	83	68	68	68	55	55	55	49
1	98	93	90	86	90	86	83	80	73	70	68	60	59	57	49	48	47	41
2	89	82	76	71	82	76	70	66	64	60	57	53	50	48	43	41	40	35
3	81	72	65	59	75	67	60	55	57	52	48	47	44	41	38	36	34	30
4	75	64	56	50	68	59	52	47	50	45	41	42	38	35	34	32	29	26
5	68	57	49	43	63	53	46	40	45	40	35	38	34	31	31	28	26	22
6	63	51	43	37	58	48	40	35	41	35	31	34	30	27	28	25	23	20
7	58	46	38	33	54	43	36	31	37	31	27	31	27	24	26	23	20	18
8	54	42	34	29	50	39	32	27	34	28	24	29	24	21	24	21	18	16
9	50	38	31	26	46	36	29	25	31	26	22	26	22	19	22	19	16	14
10	47	35	28	23	43	33	26	22	28	23	20	24	20	17	20	17	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22695	22695	22695
5°	22588	22604	22751
10°	22489	22457	22457
15°	22145	22145	22012
20°	21786	21564	21357
25°	21219	20953	20580
30°	20700	20161	19677
35°	20155	19407	18719
40°	19428	18503	17704
45°	18769	17699	16605
50°	18092	16739	15536
55°	17354	15810	14519
60°	16558	14850	13368
65°	15626	13758	12157
70°	14553	12480	10831
75°	13194	10953	9646
80°	11500	9184	8532
85°	8873	7763	7763

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 18769 cd/sqm

TEST NUMBER: P1057164

CATALOG NUMBER: CB3-D-125U-120D-835-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	378.5	1.9
10°-20°	1063.4	5.4
20°-30°	1544.2	7.8
30°-40°	1755.3	8.9
40°-50°	1704.0	8.7
50°-60°	1438.6	7.3
60°-70°	1023.5	5.2
70°-80°	546.9	2.8
80°-90°	144.5	0.7
90°-100°	165.5	0.8
100°-110°	647.4	3.3
110°-120°	1154.0	5.9
120°-130°	1561.7	7.9
130°-140°	1795.4	9.1
140°-150°	1801.6	9.1
150°-160°	1549.3	7.9
160°-170°	1048.8	5.3
170°-180°	369.9	1.9
0°-30°	2986.1	15.2
0°-40°	4741.4	24.1
0°-60°	7884.0	40.0
0°-90°	9598.9	48.7
90°-120°	1966.9	10.0
90°-150°	7125.6	36.2
90°-180°	10094.0	51.3
0°-180°	19692.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	4012	4012	4012	4012	4012	
5°	3978	4028	3980	3975	4006	378
15°	3781	3814	3781	3758	3758	1065
25°	3399	3411	3357	3311	3297	1567
35°	2918	2890	2810	2727	2710	1819
45°	2346	2310	2212	2106	2076	1810
55°	1760	1712	1603	1500	1472	1573
65°	1167	1126	1028	936	908	1156
75°	604	570	501	450	441	643
85°	137	126	120	120	120	162
90°	0	0	0	0	0	12
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	

TEST NUMBER: P1057164

CATALOG NUMBER: CB3-D-125U-120D-835-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	4011.7	4011.7	4011.7	4011.7	4011.7
2.5°	3991.2	4031.3	3995.8	4000.5	4009.4
5°	3977.6	4027.7	3980.4	3975.4	4006.2
7.5°	3946.8	3992.5	3943.4	3932.0	3957.1
10°	3914.9	3965.0	3909.2	3895.3	3909.2
12.5°	3858.0	3910.3	3866.0	3842.9	3854.6
15°	3781.1	3814.5	3781.1	3758.3	3758.3
17.5°	3687.2	3722.2	3659.3	3643.2	3636.4
20°	3618.8	3649.4	3581.8	3558.8	3547.5
22.5°	3527.7	3556.1	3499.8	3458.4	3447.3
25°	3399.4	3410.6	3356.7	3310.9	3296.9
27.5°	3273.6	3276.4	3202.4	3146.8	3128.4
30°	3168.8	3171.6	3086.3	3026.2	3012.2
32.5°	3064.1	3055.7	2974.7	2903.3	2893.8
35°	2918.3	2890.4	2810.1	2727.1	2710.4
37.5°	2742.3	2725.6	2630.7	2547.6	2522.5
40°	2630.7	2602.9	2505.5	2422.3	2397.3
42.5°	2519.1	2486.8	2387.0	2294.7	2267.4
45°	2346.0	2309.8	2212.2	2106.2	2075.5
47.5°	2171.8	2132.2	2024.9	1922.2	1888.2
50°	2055.6	2013.9	1901.9	1801.4	1765.2
52.5°	1937.2	1893.2	1781.1	1678.6	1649.0
55°	1759.5	1712.2	1602.9	1499.8	1472.0
57.5°	1581.9	1535.1	1426.4	1328.8	1295.4
60°	1463.4	1418.9	1312.5	1215.0	1181.5
62.5°	1342.7	1300.4	1196.4	1101.1	1069.9
65°	1167.3	1125.6	1027.8	936.1	908.2
67.5°	993.6	958.0	861.5	777.3	755.1
70°	879.8	846.3	754.5	677.1	654.8
72.5°	770.4	734.8	647.4	581.6	566.0
75°	603.6	570.2	501.1	449.7	441.3
77.5°	451.0	423.7	363.9	334.7	330.3
80°	353.0	328.0	281.9	261.9	261.9
82.5°	261.9	241.3	211.3	202.7	202.7
85°	136.7	125.5	119.6	119.6	119.6
87.5°	41.0	41.0	38.7	36.4	36.4
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

TEST NUMBER: P1057164

CATALOG NUMBER: CB3-D-125U-120D-835-1D-UNV-STD-W-8

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)