

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: P1057163

Luminaire Tested: CB3-D-125U-120D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057163
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-830-1D-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18049.5 lumens
Efficiency: N/A
Efficacy: 106.6 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

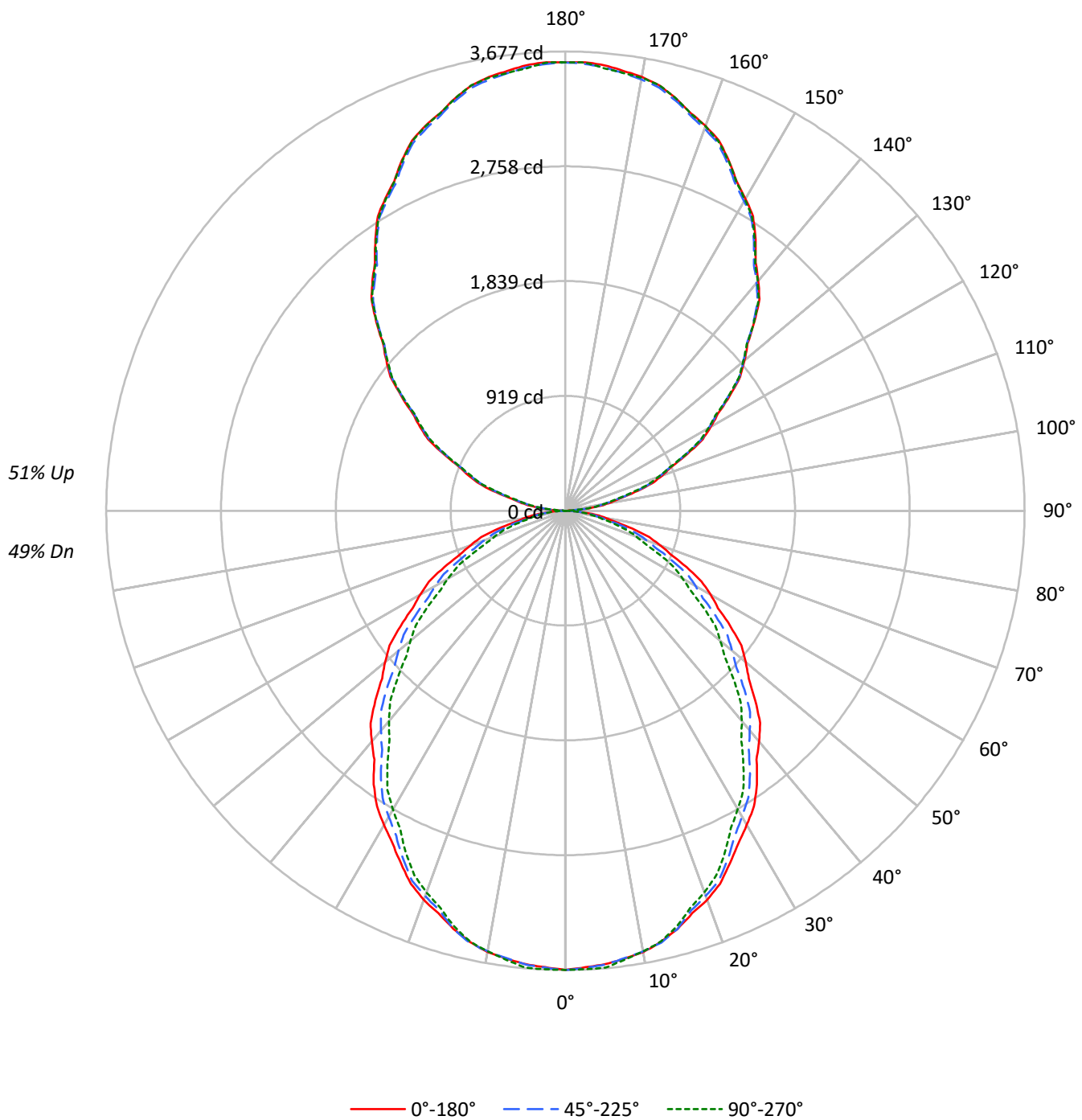
Input Watts (W): 169.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	20802	20802	20802
5°	20704	20718	20852
10°	20613	20583	20583
15°	20298	20298	20176
20°	19969	19765	19575
25°	19449	19205	18863
30°	18973	18479	18036
35°	18473	17788	17157
40°	17807	16959	16227
45°	17204	16222	15220
50°	16582	15342	14239
55°	15906	14491	13306
60°	15176	13611	12254
65°	14322	12611	11144
70°	13339	11438	9928
75°	12092	10039	8842
80°	10543	8415	7822
85°	8133	7114	7114

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 17204 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.9	1.9
10°-20°	974.7	5.4
20°-30°	1415.3	7.8
30°-40°	1608.8	8.9
40°-50°	1561.8	8.7
50°-60°	1318.6	7.3
60°-70°	938.2	5.2
70°-80°	501.2	2.8
80°-90°	132.4	0.7
90°-100°	151.7	0.8
100°-110°	593.5	3.3
110°-120°	1057.7	5.9
120°-130°	1431.4	7.9
130°-140°	1645.6	9.1
140°-150°	1651.3	9.1
150°-160°	1420.1	7.9
160°-170°	961.3	5.3
170°-180°	339.0	1.9
0°-30°	2737.0	15.2
0°-40°	4345.8	24.1
0°-60°	7226.2	40.0
0°-90°	8798.0	48.7
90°-120°	1802.9	10.0
90°-150°	6531.1	36.2
90°-180°	9251.0	51.3
0°-180°	18049.5	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3677	3677	3677	3677	3677	
5°	3646	3692	3648	3644	3672	346
15°	3466	3496	3466	3445	3445	976
25°	3116	3126	3077	3035	3022	1436
35°	2675	2649	2576	2500	2484	1667
45°	2150	2117	2028	1930	1902	1659
55°	1613	1569	1469	1375	1349	1442
65°	1070	1032	942	858	832	1060
75°	553	523	459	412	404	590
85°	125	115	110	110	110	148
90°	0	0	0	0	0	11
95°	146	132	118	110	113	167
105°	575	573	553	545	540	614
115°	1079	1084	1060	1057	1054	1069
125°	1607	1626	1594	1588	1591	1437
135°	2141	2163	2128	2112	2133	1651
145°	2653	2675	2631	2618	2642	1658
155°	3096	3123	3072	3059	3091	1424
165°	3418	3448	3402	3384	3418	963
175°	3581	3613	3564	3543	3556	340
180°	3589	3589	3589	3589	3589	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3677.0	3677.0	3677.0	3677.0	3677.0
2.5°	3658.2	3695.0	3662.4	3666.8	3674.9
5°	3645.7	3691.6	3648.3	3643.7	3671.9
7.5°	3617.5	3659.4	3614.4	3604.0	3626.9
10°	3588.3	3634.2	3583.1	3570.3	3583.1
12.5°	3536.1	3584.1	3543.4	3522.3	3533.0
15°	3465.6	3496.3	3465.6	3444.8	3444.8
17.5°	3379.5	3411.7	3354.0	3339.2	3333.1
20°	3316.9	3345.0	3283.0	3261.9	3251.5
22.5°	3233.4	3259.4	3207.8	3169.9	3159.7
25°	3115.8	3126.0	3076.7	3034.6	3021.9
27.5°	3000.5	3003.0	2935.2	2884.2	2867.4
30°	2904.4	2907.0	2828.8	2773.7	2760.9
32.5°	2808.4	2800.8	2726.5	2661.0	2652.4
35°	2674.8	2649.3	2575.6	2499.6	2484.3
37.5°	2513.5	2498.2	2411.2	2335.0	2312.1
40°	2411.2	2385.7	2296.4	2220.2	2197.3
42.5°	2308.9	2279.3	2187.9	2103.3	2078.3
45°	2150.3	2117.1	2027.6	1930.4	1902.4
47.5°	1990.6	1954.3	1855.9	1761.8	1730.7
50°	1884.1	1845.8	1743.2	1651.1	1617.9
52.5°	1775.5	1735.2	1632.5	1538.5	1511.5
55°	1612.7	1569.3	1469.2	1374.7	1349.1
57.5°	1449.9	1407.0	1307.4	1218.0	1187.4
60°	1341.3	1300.5	1203.0	1113.6	1083.0
62.5°	1230.7	1191.9	1096.5	1009.3	980.7
65°	1069.9	1031.6	942.1	858.0	832.5
67.5°	910.7	878.1	789.7	712.5	692.1
70°	806.4	775.7	691.5	620.6	600.2
72.5°	706.1	673.5	593.4	533.1	518.8
75°	553.2	522.6	459.3	412.1	404.5
77.5°	413.4	388.3	333.5	306.8	302.7
80°	323.6	300.6	258.3	240.1	240.1
82.5°	240.1	221.2	193.6	185.8	185.8
85°	125.3	115.1	109.6	109.6	109.6
87.5°	37.6	37.6	35.5	33.4	33.4
90°	0.0	0.0	0.0	0.0	0.0
92.5°	39.6	35.3	22.0	17.6	17.6
95°	145.9	132.4	118.4	110.2	112.8
97.5°	269.2	256.3	238.9	230.7	232.9
100°	355.1	344.3	324.8	316.5	316.5
102.5°	438.7	432.3	412.9	404.7	406.8
105°	575.3	572.6	553.2	544.9	539.5
107.5°	726.1	721.2	699.7	699.0	694.2
110°	823.0	820.3	800.9	798.1	795.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	922.1	925.8	904.4	901.6	898.9
115°	1078.9	1084.3	1059.7	1056.9	1054.2
117.5°	1239.7	1247.2	1221.0	1218.1	1213.3
120°	1343.2	1359.3	1326.7	1323.8	1321.2
122.5°	1448.9	1462.9	1432.4	1427.4	1426.8
125°	1607.4	1626.2	1593.6	1588.2	1590.9
127.5°	1765.9	1785.3	1754.9	1744.1	1750.0
130°	1871.6	1893.2	1860.6	1849.8	1857.9
132.5°	1979.5	2001.1	1968.5	1957.8	1970.2
135°	2141.4	2162.9	2127.6	2111.6	2133.1
137.5°	2299.4	2318.2	2279.5	2268.5	2291.1
140°	2402.8	2421.7	2380.8	2367.7	2394.6
142.5°	2504.1	2525.1	2479.9	2466.8	2495.9
145°	2653.3	2674.8	2631.3	2618.1	2642.3
147.5°	2796.4	2818.5	2774.4	2759.0	2783.8
150°	2884.5	2908.7	2862.5	2849.3	2876.3
152.5°	2970.4	2996.8	2948.4	2933.2	2966.5
155°	3096.5	3123.4	3071.7	3058.7	3090.9
157.5°	3209.9	3234.6	3187.8	3174.7	3202.7
160°	3278.1	3305.0	3256.1	3243.1	3275.4
162.5°	3337.6	3364.5	3319.9	3302.5	3334.8
165°	3418.5	3448.1	3402.0	3383.5	3418.5
167.5°	3486.2	3517.9	3469.1	3452.3	3487.3
170°	3525.8	3555.4	3506.6	3485.3	3520.3
172.5°	3552.3	3581.9	3533.0	3511.5	3535.7
175°	3580.9	3613.2	3564.4	3542.6	3556.1
177.5°	3593.5	3619.4	3580.3	3561.2	3591.3
180°	3589.1	3589.1	3589.1	3589.1	3589.1

(END OF REPORT)