

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269



Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1439604

Luminaire Tested: CB3-D-125U-055D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439604
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-125U-055D-930-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 1250 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

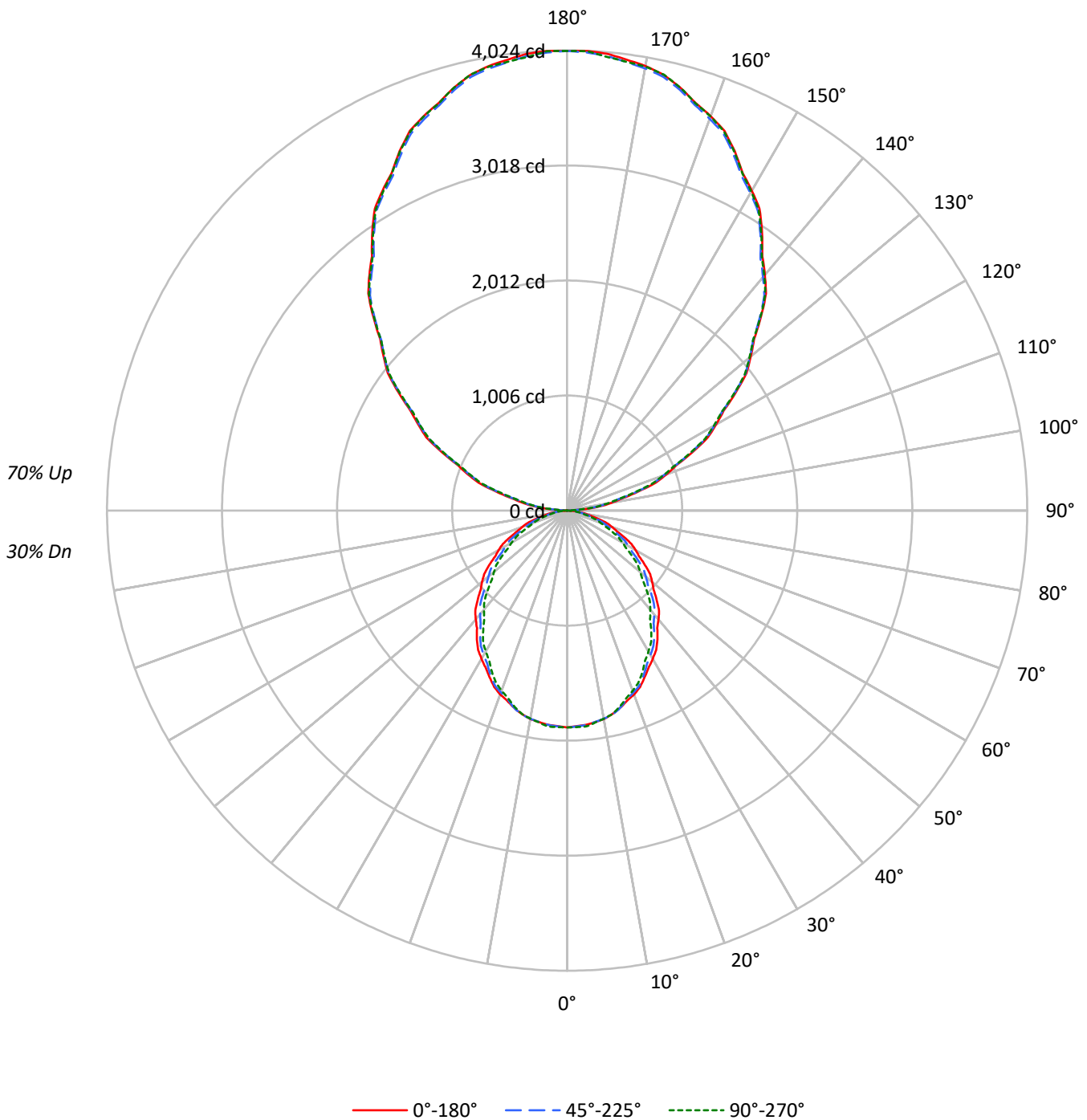
Lumens per Lamp: N/A
Luminaire Lumens: 14893.1 lumens
Efficiency: N/A
Efficacy: 118.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 125.3
Input Voltage (V): 120
Input Current (A_{in}): 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										
RC	80									70									50									30									10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0														
RCR																																						
0	102	102	102	102	92	92	92	92	72	72	72	55	55	55	38	38	38	30					30															
1	94	89	86	82	84	80	77	74	64	61	60	48	47	46	34	33	32	26					26															
2	85	78	72	67	76	70	65	61	56	52	49	42	40	38	30	29	27	22					22															
3	78	69	62	56	70	62	56	51	49	45	42	38	35	32	27	25	23	19					19															
4	71	61	53	47	64	55	48	43	44	39	35	33	30	28	24	22	20	16					16															
5	65	54	46	41	58	49	42	37	39	34	31	30	27	24	21	19	18	14					14															
6	60	48	41	35	54	44	37	32	35	30	27	27	24	21	19	17	16	12					12															
7	55	44	36	31	50	40	33	28	32	27	23	25	21	19	18	16	14	11					11															
8	51	39	32	27	46	36	29	25	29	24	21	22	19	16	16	14	12	10					10															
9	48	36	29	24	43	33	26	22	26	22	18	21	17	15	15	13	11	9					9															
10	44	33	26	21	40	30	24	20	24	20	16	19	16	13	14	12	10	8					8															

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10728	10728	10728
5°	10678	10685	10764
10°	10631	10616	10616
15°	10469	10469	10406
20°	10300	10195	10087
25°	10022	9896	9720
30°	9777	9522	9294
35°	9519	9166	8841
40°	9176	8739	8361
45°	8865	8359	7843
50°	8545	7906	7338
55°	8196	7467	6857
60°	7821	7014	6315
65°	7380	6498	5743
70°	6873	5893	5116
75°	6232	5174	4555
80°	5431	4336	4030
85°	4187	3667	3667

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8865 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	178.9	1.2
10°-20°	502.7	3.4
20°-30°	729.5	4.9
30°-40°	829.0	5.6
40°-50°	804.8	5.4
50°-60°	679.5	4.6
60°-70°	483.4	3.2
70°-80°	258.3	1.7
80°-90°	68.2	0.5
90°-100°	169.8	1.1
100°-110°	664.5	4.5
110°-120°	1184.3	8.0
120°-130°	1602.7	10.8
130°-140°	1842.5	12.4
140°-150°	1848.9	12.4
150°-160°	1590.0	10.7
160°-170°	1076.3	7.2
170°-180°	379.6	2.5
0°-30°	1411.2	9.5
0°-40°	2240.2	15.0
0°-60°	3724.5	25.0
0°-90°	4534.4	30.4
90°-120°	2018.6	13.6
90°-150°	7312.7	49.1
90°-180°	10359.0	69.6
0°-180°	14893.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1896	1896	1896	1896	1896	
5°	1880	1904	1882	1879	1896	178
15°	1788	1803	1788	1777	1777	504
25°	1606	1611	1585	1564	1557	740
35°	1378	1365	1327	1288	1280	859
45°	1108	1091	1045	995	980	855
55°	831	809	757	708	695	743
65°	551	532	485	442	429	546
75°	285	269	237	212	208	304
85°	64	59	56	56	56	76
90°	0	0	0	0	0	9
95°	163	148	132	123	126	186
105°	644	641	619	610	604	688
115°	1208	1214	1186	1183	1180	1197
125°	1800	1821	1784	1778	1781	1609
135°	2398	2422	2382	2364	2388	1848
145°	2971	2995	2946	2931	2958	1856
155°	3467	3497	3439	3425	3461	1595
165°	3828	3861	3809	3788	3828	1078
175°	4009	4046	3991	3967	3982	380
180°	4019	4019	4019	4019	4019	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1896.4	1896.4	1896.4	1896.4	1896.4
2.5°	1886.7	1905.7	1888.9	1891.1	1895.3
5°	1880.3	1904.0	1881.6	1879.3	1895.5
7.5°	1865.8	1887.3	1864.2	1858.8	1870.6
10°	1850.7	1874.4	1848.0	1841.4	1848.0
12.5°	1823.8	1848.5	1827.6	1816.7	1822.2
15°	1787.5	1803.3	1787.5	1776.7	1776.7
17.5°	1743.1	1759.7	1730.0	1722.3	1718.8
20°	1710.9	1725.3	1693.4	1682.5	1675.5
22.5°	1667.8	1681.2	1654.6	1633.8	1628.2
25°	1605.6	1610.8	1585.4	1563.7	1557.2
27.5°	1546.1	1547.5	1512.5	1486.2	1477.6
30°	1496.7	1498.0	1457.7	1429.3	1422.7
32.5°	1447.2	1443.2	1404.9	1371.2	1366.8
35°	1378.3	1365.2	1327.2	1288.0	1280.2
37.5°	1295.2	1287.3	1242.5	1203.2	1191.4
40°	1242.5	1229.4	1183.3	1144.1	1132.2
42.5°	1189.8	1174.5	1127.4	1083.8	1070.9
45°	1108.0	1090.9	1044.8	994.8	980.3
47.5°	1025.7	1007.1	956.4	907.8	891.8
50°	970.9	951.2	898.3	850.8	833.7
52.5°	914.9	894.2	841.2	792.8	778.9
55°	831.0	808.7	757.1	708.4	695.2
57.5°	747.1	725.0	673.7	627.6	611.8
60°	691.2	670.1	619.9	573.8	558.1
62.5°	634.2	614.2	565.0	520.1	505.3
65°	551.3	531.6	485.4	442.1	429.0
67.5°	469.3	452.5	406.9	367.1	356.6
70°	415.5	399.7	356.3	319.8	309.3
72.5°	363.9	347.0	305.8	274.7	267.3
75°	285.1	269.3	236.7	212.4	208.4
77.5°	213.0	200.1	171.9	158.1	156.0
80°	166.7	154.9	133.1	123.7	123.7
82.5°	123.7	114.0	99.8	95.7	95.7
85°	64.5	59.3	56.5	56.5	56.5
87.5°	19.4	19.4	18.3	17.2	17.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	44.4	39.6	24.7	19.7	19.7
95°	163.3	148.3	132.5	123.3	126.4
97.5°	301.4	286.9	267.5	258.3	260.7
100°	397.6	385.5	363.7	354.4	354.4
102.5°	491.2	484.0	462.3	453.1	455.5
105°	644.1	641.1	619.4	610.1	604.0
107.5°	813.0	807.6	783.4	782.7	777.2
110°	921.5	918.4	896.8	893.7	890.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	1032.4	1036.6	1012.7	1009.5	1006.5
115°	1208.1	1214.1	1186.5	1183.3	1180.3
117.5°	1388.0	1396.5	1367.1	1363.9	1358.5
120°	1503.9	1522.0	1485.4	1482.3	1479.3
122.5°	1622.3	1637.9	1603.8	1598.2	1597.6
125°	1799.8	1820.9	1784.4	1778.3	1781.3
127.5°	1977.3	1999.0	1965.0	1952.8	1959.4
130°	2095.6	2119.7	2083.3	2071.2	2080.2
132.5°	2216.4	2240.5	2204.1	2192.1	2206.0
135°	2397.6	2421.8	2382.2	2364.3	2388.4
137.5°	2574.5	2595.6	2552.4	2540.0	2565.3
140°	2690.4	2711.5	2665.8	2651.0	2681.2
142.5°	2803.8	2827.3	2776.7	2762.0	2794.6
145°	2970.9	2995.0	2946.2	2931.4	2958.5
147.5°	3131.1	3155.8	3106.5	3089.2	3116.9
150°	3229.7	3256.9	3205.1	3190.4	3220.5
152.5°	3325.9	3355.4	3301.2	3284.2	3321.6
155°	3467.0	3497.2	3439.3	3424.7	3460.9
157.5°	3594.0	3621.7	3569.3	3554.6	3586.0
160°	3670.4	3700.6	3645.8	3631.2	3667.3
162.5°	3737.0	3767.1	3717.3	3697.8	3733.9
165°	3827.6	3860.7	3809.1	3788.4	3827.6
167.5°	3903.4	3939.0	3884.3	3865.5	3904.6
170°	3947.8	3980.9	3926.2	3902.5	3941.6
172.5°	3977.4	4010.5	3955.8	3931.8	3958.9
175°	4009.4	4045.6	3990.9	3966.6	3981.7
177.5°	4023.6	4052.5	4008.8	3987.4	4021.1
180°	4018.7	4018.7	4018.7	4018.7	4018.7



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CIE UGR TABLE:

Reflectances:											
Ceiling		0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall		0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane		0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions		Viewed crosswise					Viewed endwise				
X=2H	Y=2H	13.23	13.93	14.34	15.04	16.56	12.15	12.86	13.26	13.96	15.49
	3H	14.88	15.51	16.00	16.63	18.17	13.55	14.18	14.67	15.30	16.84
	4H	15.51	16.11	16.64	17.22	18.77	14.06	14.66	15.19	15.77	17.32
	6H	15.88	16.43	17.02	17.55	19.11	14.37	14.92	15.51	16.04	17.60
	8H	16.02	16.54	17.16	17.67	19.22	14.49	15.01	15.63	16.15	17.70
	12H	16.08	16.57	17.22	17.70	19.28	14.56	15.06	15.71	16.18	17.76
4H	2H	13.62	14.22	14.75	15.33	16.88	12.76	13.36	13.90	14.47	16.02
	3H	15.49	15.99	16.64	17.13	18.69	14.36	14.86	15.51	16.00	17.56
	4H	16.24	16.69	17.38	17.82	19.40	14.96	15.42	16.11	16.55	18.13
	6H	16.73	17.12	17.88	18.27	19.84	15.37	15.76	16.52	16.91	18.48
	8H	16.92	17.28	18.07	18.43	20.01	15.53	15.90	16.68	17.04	18.63
	12H	17.01	17.34	18.17	18.49	20.09	15.63	15.96	16.80	17.12	18.71
8H	4H	16.35	16.72	17.50	17.86	19.45	15.21	15.58	16.36	16.72	18.31
	6H	16.97	17.27	18.14	18.45	20.04	15.74	16.04	16.91	17.22	18.81
	8H	17.24	17.50	18.42	18.67	20.27	15.99	16.25	17.16	17.41	19.02
	12H	17.40	17.63	18.58	18.79	20.43	16.16	16.39	17.34	17.55	19.19
12H	4H	16.32	16.65	17.48	17.80	19.40	15.21	15.54	16.37	16.69	18.29
	6H	16.98	17.24	18.16	18.41	20.01	15.79	16.05	16.97	17.22	18.82
	8H	17.27	17.50	18.45	18.67	20.30	16.07	16.30	17.25	17.46	19.10