

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: P1439612

Luminaire Tested: CB3-D-125U-085D-930-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439612
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-085D-930-1D-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: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

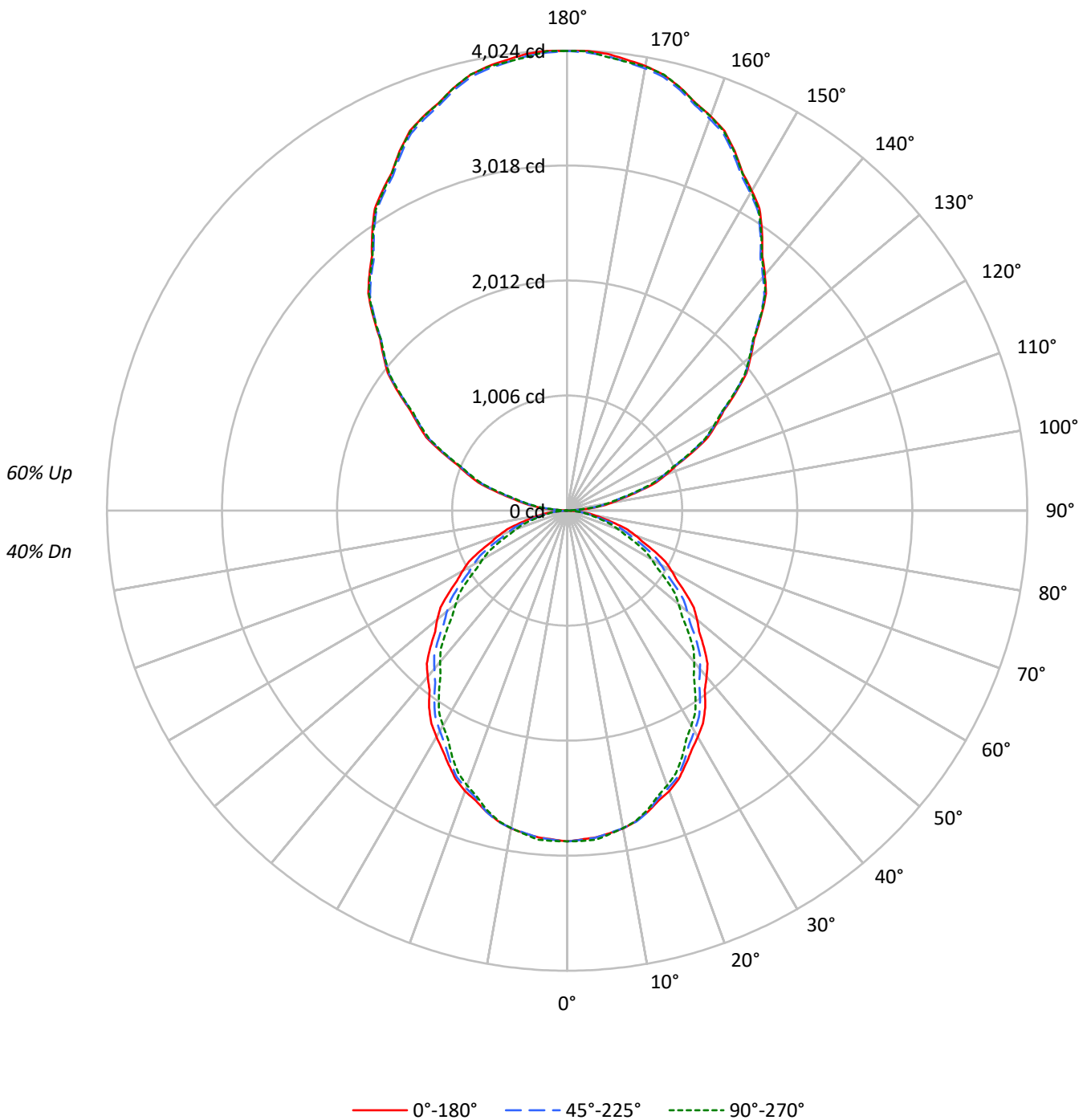
Lumens per Lamp: N/A
Luminaire Lumens: 17279.1 lumens
Efficiency: N/A
Efficacy: 119.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 144.6
Input Voltage (V): 120
Input Current (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

TEST NUMBER: P1439612

CATALOG NUMBER: CB3-D-125U-085D-930-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P1439612

CATALOG NUMBER: CB3-D-125U-085D-930-1D-UNV-STD-W-8

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				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	0
RCR																		
0	105	105	105	105	95	95	95	95	78	78	78	62	62	62	47	47	47	40
1	96	92	88	84	87	83	80	77	68	66	64	55	53	52	42	41	40	34
2	87	80	74	69	79	73	68	64	60	56	53	48	46	43	37	35	34	29
3	80	70	63	58	72	64	58	53	53	49	45	43	39	37	33	31	29	24
4	73	62	55	49	66	57	50	45	47	42	38	38	34	32	29	27	25	21
5	67	56	48	42	61	51	44	39	42	37	33	34	30	27	27	24	22	18
6	62	50	42	36	56	46	39	34	38	33	29	31	27	24	24	21	19	16
7	57	45	37	32	52	41	34	30	34	29	25	28	24	21	22	19	17	14
8	53	41	33	28	48	38	31	26	31	26	23	26	22	19	20	18	15	13
9	49	37	30	25	45	34	28	23	29	24	20	24	20	17	19	16	14	12
10	46	34	27	22	42	31	25	21	27	22	18	22	18	15	17	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16367	16367	16367
5°	16289	16301	16412
10°	16219	16194	16194
15°	15970	15970	15874
20°	15712	15551	15396
25°	15298	15105	14836
30°	14923	14534	14186
35°	14529	13991	13495
40°	14006	13339	12763
45°	13531	12759	11971
50°	13042	12067	11200
55°	12511	11398	10467
60°	11937	10706	9638
65°	11265	9919	8765
70°	10490	8997	7809
75°	9510	7895	6953
80°	8291	6620	6151
85°	6394	5595	5595

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13531 cd/sqm



TEST NUMBER: P1439612

CATALOG NUMBER: CB3-D-125U-085D-930-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	273.0	1.6
10°-20°	766.9	4.4
20°-30°	1113.3	6.4
30°-40°	1265.4	7.3
40°-50°	1228.4	7.1
50°-60°	1037.1	6.0
60°-70°	737.9	4.3
70°-80°	394.2	2.3
80°-90°	104.2	0.6
90°-100°	169.8	1.0
100°-110°	664.5	3.8
110°-120°	1184.3	6.9
120°-130°	1602.7	9.3
130°-140°	1842.5	10.7
140°-150°	1848.9	10.7
150°-160°	1590.0	9.2
160°-170°	1076.3	6.2
170°-180°	379.6	2.2
0°-30°	2153.2	12.5
0°-40°	3418.6	19.8
0°-60°	5684.1	32.9
0°-90°	6920.4	40.1
90°-120°	2018.6	11.7
90°-150°	7312.7	42.3
90°-180°	10359.0	60.0
0°-180°	17279.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2893	2893	2893	2893	2893	
5°	2868	2904	2870	2867	2890	272
15°	2727	2751	2727	2710	2710	768
25°	2451	2459	2420	2387	2377	1130
35°	2104	2084	2026	1966	1954	1311
45°	1691	1665	1595	1518	1496	1305
55°	1268	1234	1156	1081	1061	1134
65°	842	811	741	675	655	834
75°	435	411	361	324	318	464
85°	98	90	86	86	86	117
90°	0	0	0	0	0	10
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	

TEST NUMBER: P1439612

CATALOG NUMBER: CB3-D-125U-085D-930-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2893.0	2893.0	2893.0	2893.0	2893.0
2.5°	2878.3	2907.2	2881.5	2885.0	2891.4
5°	2868.4	2904.5	2870.5	2866.9	2890.0
7.5°	2846.2	2879.2	2843.8	2835.6	2853.6
10°	2823.3	2859.4	2819.1	2809.1	2819.1
12.5°	2782.2	2819.9	2787.9	2771.3	2779.7
15°	2726.8	2750.9	2726.8	2710.4	2710.4
17.5°	2659.0	2684.3	2638.9	2627.3	2622.3
20°	2609.8	2631.9	2583.1	2566.5	2557.4
22.5°	2544.1	2564.6	2524.0	2493.4	2485.2
25°	2450.7	2458.7	2419.9	2386.9	2376.8
27.5°	2360.0	2362.0	2308.7	2268.6	2255.3
30°	2284.5	2286.5	2224.9	2181.6	2171.6
32.5°	2208.9	2202.9	2144.5	2093.0	2086.2
35°	2103.8	2083.8	2025.8	1966.0	1954.0
37.5°	1977.0	1965.0	1896.5	1836.6	1818.5
40°	1896.5	1876.5	1806.2	1746.3	1728.2
42.5°	1816.1	1792.8	1720.8	1654.3	1634.6
45°	1691.3	1665.2	1594.8	1518.4	1496.3
47.5°	1565.7	1537.2	1459.8	1385.7	1361.2
50°	1481.9	1451.8	1371.1	1298.7	1272.6
52.5°	1396.5	1364.8	1284.1	1210.1	1188.8
55°	1268.5	1234.3	1155.6	1081.2	1061.2
57.5°	1140.4	1106.7	1028.3	958.0	933.9
60°	1055.0	1022.9	946.2	875.9	851.8
62.5°	968.0	937.5	862.5	793.8	771.3
65°	841.5	811.4	741.0	674.8	654.8
67.5°	716.3	690.6	621.1	560.4	544.3
70°	634.2	610.1	543.9	488.1	472.1
72.5°	555.4	529.7	466.7	419.3	408.0
75°	435.1	411.1	361.2	324.2	318.1
77.5°	325.1	305.5	262.3	241.3	238.1
80°	254.5	236.5	203.2	188.8	188.8
82.5°	188.8	174.0	152.3	146.1	146.1
85°	98.5	90.5	86.2	86.2	86.2
87.5°	29.6	29.6	27.9	26.3	26.3
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



TEST NUMBER: P1439612

CATALOG NUMBER: CB3-D-125U-085D-930-1D-UNV-STD-W-8

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



TEST NUMBER: P1439612
 CATALOG NUMBER: CB3-D-125U-085D-930-1D-UNV-STD-W-8

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	15.86	16.63	16.90	17.67	19.08	14.78	15.55	15.82	16.60	18.00
	3H	17.52	18.21	18.57	19.26	20.69	16.19	16.88	17.24	17.93	19.36
	4H	18.14	18.80	19.21	19.85	21.29	16.70	17.35	17.76	18.41	19.84
	6H	18.52	19.13	19.60	20.19	21.63	17.01	17.61	18.08	18.67	20.12
	8H	18.66	19.23	19.74	20.31	21.75	17.13	17.71	18.21	18.78	20.22
	12H	18.72	19.27	19.80	20.34	21.80	17.21	17.75	18.29	18.82	20.28
4H	2H	16.26	16.91	17.32	17.96	19.40	15.40	16.05	16.47	17.11	18.54
	3H	18.14	18.68	19.21	19.76	21.21	17.01	17.55	18.08	18.63	20.08
	4H	18.88	19.38	19.96	20.45	21.92	17.61	18.11	18.69	19.18	20.65
	6H	19.38	19.81	20.47	20.90	22.37	18.02	18.45	19.11	19.54	21.00
	8H	19.57	19.97	20.66	21.06	22.53	18.19	18.59	19.28	19.67	21.15
	12H	19.66	20.02	20.77	21.13	22.61	18.29	18.65	19.39	19.75	21.23
8H	4H	19.00	19.40	20.09	20.49	21.97	17.86	18.26	18.95	19.35	20.83
	6H	19.62	19.95	20.73	21.08	22.55	18.39	18.72	19.50	19.85	21.33
	8H	19.89	20.18	21.01	21.30	22.79	18.64	18.93	19.76	20.04	21.54
	12H	20.05	20.31	21.18	21.42	22.95	18.81	19.07	19.94	20.18	21.71
12H	4H	18.97	19.33	20.08	20.44	21.92	17.86	18.22	18.97	19.33	20.81
	6H	19.64	19.92	20.75	21.04	22.53	18.45	18.74	19.56	19.85	21.34
	8H	19.93	20.18	21.05	21.29	22.83	18.72	18.98	19.85	20.09	21.62