

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: P1439515

Luminaire Tested: CB3-D-030U-085D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439515
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-030U-085D-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

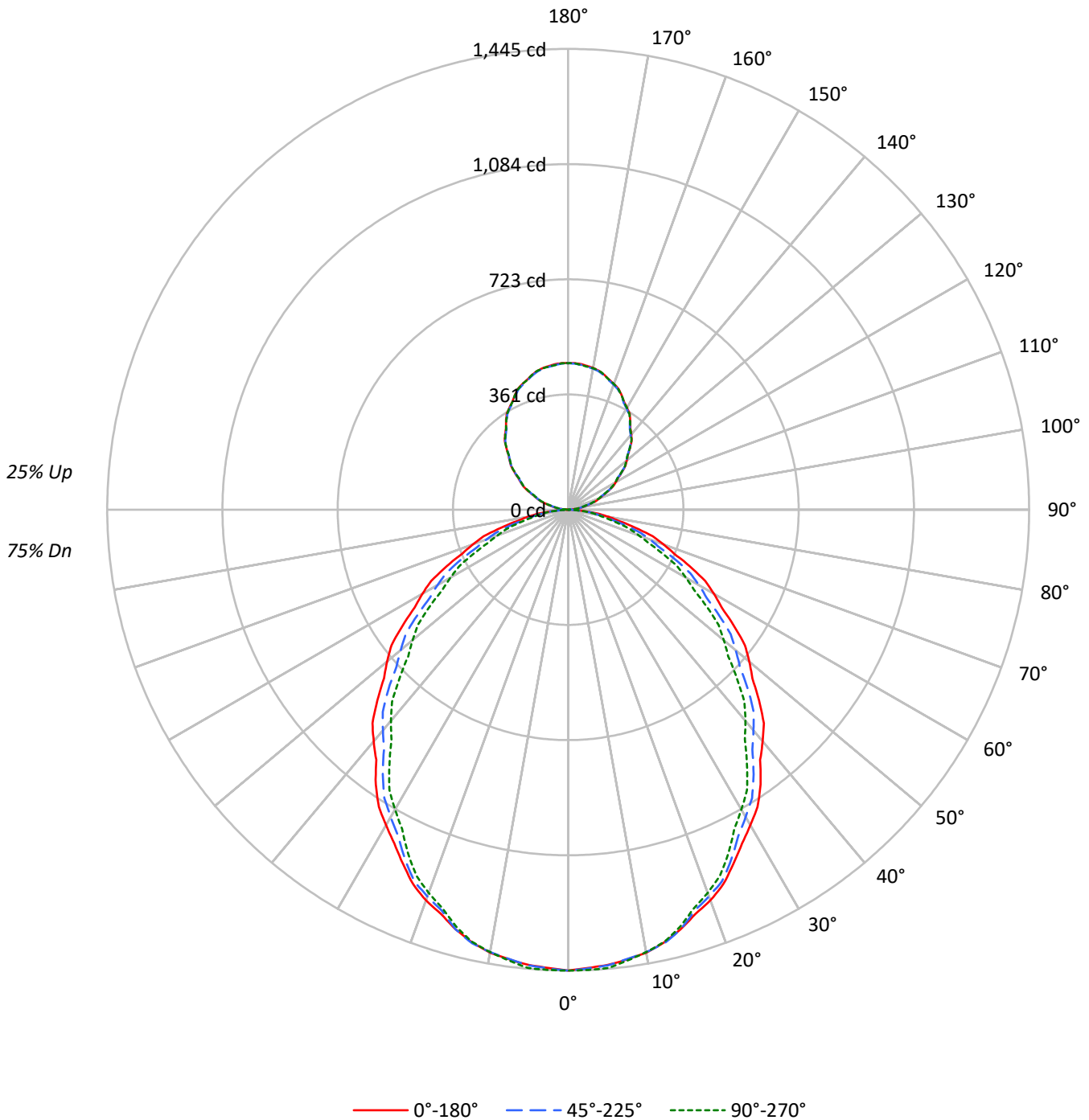
Lumens per Lamp: N/A
Luminaire Lumens: 4643.8 lumens
Efficiency: N/A
Efficacy: 137.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 33.8
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: P1439515

CATALOG NUMBER: CB3-D-030U-085D-930-1D-UNV-STD-W-4

Luminous Intensity Polar Plot





TEST NUMBER: P1439515

CATALOG NUMBER: CB3-D-030U-085D-930-1D-UNV-STD-W-4

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	113	113	113	113	107	107	107	107	97	97	97	87	87	87	79	79	79	75
1	104	99	95	92	98	94	91	88	86	83	80	77	75	74	70	68	67	63
2	95	87	81	75	90	83	77	73	75	71	67	68	65	62	62	59	57	53
3	86	77	69	63	82	73	66	61	67	61	57	61	56	53	55	52	49	46
4	79	68	60	54	75	65	58	52	60	53	49	54	49	45	49	45	42	39
5	73	61	53	47	69	58	51	45	54	47	42	49	44	40	45	40	37	34
6	67	55	47	41	64	53	45	39	48	42	37	44	39	35	41	36	33	30
7	63	50	42	36	59	48	40	35	44	38	33	41	35	31	37	33	29	27
8	58	46	38	32	55	44	36	31	40	34	30	37	32	28	34	30	26	24
9	54	42	34	29	52	40	33	28	37	31	27	34	29	25	32	27	24	22
10	51	38	31	26	48	37	30	25	34	28	24	32	27	23	29	25	22	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16353	16353	16353
5°	16276	16287	16385
10°	16204	16181	16181
15°	15956	15956	15860
20°	15697	15537	15396
25°	15298	15106	14836
30°	14923	14535	14186
35°	14529	13991	13495
40°	14007	13339	12763
45°	13531	12759	11971
50°	13043	12066	11200
55°	12510	11398	10467
60°	11937	10706	9638
65°	11266	9919	8765
70°	10490	8998	7807
75°	9513	7895	6955
80°	8295	6620	6151
85°	6400	5595	5595

MAXIMUM LUMINANCE 45°-90°:

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



TEST NUMBER: P1439515

CATALOG NUMBER: CB3-D-030U-085D-930-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.4	2.9
10°-20°	383.1	8.3
20°-30°	556.5	12.0
30°-40°	632.7	13.6
40°-50°	614.2	13.2
50°-60°	518.6	11.2
60°-70°	368.9	7.9
70°-80°	197.1	4.2
80°-90°	52.1	1.1
90°-100°	19.4	0.4
100°-110°	76.0	1.6
110°-120°	135.4	2.9
120°-130°	183.2	3.9
130°-140°	210.6	4.5
140°-150°	211.4	4.6
150°-160°	181.8	3.9
160°-170°	123.0	2.6
170°-180°	43.4	0.9
0°-30°	1076.0	23.2
0°-40°	1708.7	36.8
0°-60°	2841.5	61.2
0°-90°	3459.6	74.5
90°-120°	230.8	5.0
90°-150°	836.0	18.0
90°-180°	1184.0	25.5
0°-180°	4643.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1445	1445	1445	1445	1445	
5°	1433	1451	1434	1432	1443	136
15°	1362	1374	1362	1354	1354	384
25°	1225	1229	1210	1193	1188	565
35°	1052	1042	1013	983	977	656
45°	846	833	797	759	748	652
55°	634	617	578	541	531	567
65°	421	406	370	337	327	417
75°	218	206	181	162	159	232
85°	49	45	43	43	43	58
90°	0	0	0	0	0	3
95°	19	17	15	14	14	21
105°	74	73	71	70	69	79
115°	138	139	136	135	135	137
125°	206	208	204	203	204	184
135°	274	277	272	270	273	211
145°	340	342	337	335	338	212
155°	396	400	393	392	396	182
165°	438	441	435	433	438	123
175°	458	462	456	454	455	43
180°	459	459	459	459	459	

TEST NUMBER: P1439515

CATALOG NUMBER: CB3-D-030U-085D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1445.3	1445.3	1445.3	1445.3	1445.3
2.5°	1437.9	1452.4	1439.6	1441.3	1444.5
5°	1433.0	1451.1	1434.0	1432.2	1442.6
7.5°	1421.9	1438.4	1420.7	1416.6	1425.6
10°	1410.4	1428.5	1408.4	1403.4	1408.4
12.5°	1389.9	1408.8	1392.8	1384.5	1388.7
15°	1362.2	1374.2	1362.2	1354.0	1354.0
17.5°	1328.3	1341.0	1318.3	1312.5	1310.2
20°	1303.7	1314.7	1290.4	1282.1	1278.7
22.5°	1270.9	1281.1	1260.8	1246.5	1242.6
25°	1225.4	1229.4	1210.0	1193.4	1188.4
27.5°	1180.0	1181.0	1154.3	1134.3	1127.7
30°	1142.2	1143.2	1112.5	1090.8	1085.8
32.5°	1104.5	1101.5	1072.2	1046.5	1043.1
35°	1051.9	1041.9	1012.9	983.0	977.0
37.5°	988.5	982.5	948.3	918.3	909.3
40°	948.3	938.2	903.1	873.1	864.1
42.5°	908.0	896.4	860.4	827.1	817.3
45°	845.6	832.6	797.4	759.2	748.1
47.5°	782.8	768.6	729.9	692.9	680.6
50°	741.0	725.9	685.5	649.3	636.3
52.5°	698.3	682.4	642.0	605.0	594.4
55°	634.2	617.2	577.8	540.6	530.6
57.5°	570.2	553.3	514.2	479.0	466.9
60°	527.5	511.4	473.1	437.9	425.9
62.5°	484.0	468.7	431.2	396.9	385.7
65°	420.8	405.7	370.5	337.4	327.4
67.5°	358.2	345.3	310.5	280.2	272.2
70°	317.1	305.1	272.0	244.1	236.0
72.5°	277.7	264.9	233.4	209.6	204.0
75°	217.6	205.5	180.6	162.1	159.1
77.5°	162.6	152.7	131.2	120.7	119.0
80°	127.3	118.2	101.6	94.4	94.4
82.5°	94.4	87.0	76.1	73.1	73.1
85°	49.3	45.2	43.1	43.1	43.1
87.5°	14.8	14.8	14.0	13.1	13.1
90°	0.0	0.0	0.0	0.0	0.0
92.5°	5.1	4.5	2.8	2.3	2.3
95°	18.7	16.9	15.1	14.1	14.4
97.5°	34.5	32.8	30.6	29.5	29.8
100°	45.4	44.1	41.6	40.5	40.5
102.5°	56.2	55.3	52.8	51.8	52.1
105°	73.6	73.3	70.8	69.7	69.1
107.5°	92.9	92.3	89.6	89.5	88.9
110°	105.3	105.0	102.5	102.2	101.8



TEST NUMBER: P1439515

CATALOG NUMBER: CB3-D-030U-085D-930-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	118.0	118.5	115.8	115.4	115.1
115°	138.1	138.8	135.6	135.3	134.9
117.5°	158.7	159.6	156.3	155.9	155.3
120°	171.9	174.0	169.8	169.4	169.1
122.5°	185.5	187.2	183.3	182.7	182.6
125°	205.7	208.2	204.0	203.3	203.6
127.5°	226.0	228.5	224.6	223.2	224.0
130°	239.6	242.3	238.2	236.8	237.8
132.5°	253.4	256.1	252.0	250.6	252.2
135°	274.1	276.8	272.3	270.3	273.0
137.5°	294.3	296.7	291.8	290.4	293.3
140°	307.6	310.0	304.7	303.1	306.5
142.5°	320.5	323.2	317.4	315.7	319.5
145°	339.6	342.4	336.8	335.1	338.2
147.5°	357.9	360.8	355.1	353.1	356.3
150°	369.2	372.3	366.4	364.7	368.2
152.5°	380.2	383.6	377.4	375.4	379.7
155°	396.3	399.8	393.2	391.5	395.6
157.5°	410.9	414.0	408.0	406.4	409.9
160°	419.6	423.0	416.8	415.1	419.2
162.5°	427.2	430.6	424.9	422.7	426.8
165°	437.6	441.3	435.4	433.1	437.6
167.5°	446.2	450.3	444.0	441.9	446.4
170°	451.3	455.1	448.8	446.1	450.6
172.5°	454.7	458.5	452.2	449.5	452.6
175°	458.3	462.5	456.2	453.5	455.2
177.5°	460.0	463.3	458.3	455.8	459.7
180°	459.4	459.4	459.4	459.4	459.4



TEST NUMBER: P1439515
 CATALOG NUMBER: CB3-D-030U-085D-930-1D-UNV-STD-W-4

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	18.87	19.99	19.59	20.72	21.60	17.80	18.91	18.51	19.65	20.52
	3H	20.56	21.56	21.29	22.31	23.21	19.23	20.23	19.96	20.97	21.88
	4H	21.20	22.15	21.95	22.90	23.82	19.76	20.70	20.51	21.46	22.37
	6H	21.60	22.47	22.36	23.24	24.17	20.09	20.96	20.85	21.72	22.65
	8H	21.74	22.57	22.52	23.36	24.29	20.22	21.05	20.99	21.83	22.76
	12H	21.82	22.61	22.60	23.39	24.35	20.30	21.09	21.08	21.87	22.83
4H	2H	19.31	20.26	20.06	21.01	21.93	18.45	19.40	19.21	20.15	21.07
	3H	21.22	22.01	21.99	22.80	23.74	20.10	20.88	20.86	21.67	22.61
	4H	21.98	22.70	22.76	23.49	24.45	20.71	21.43	21.49	22.22	23.18
	6H	22.50	23.12	23.30	23.93	24.90	21.14	21.76	21.94	22.57	23.54
	8H	22.70	23.28	23.50	24.09	25.07	21.31	21.89	22.12	22.70	23.69
	12H	22.81	23.33	23.63	24.16	25.15	21.43	21.95	22.25	22.79	23.77
8H	4H	22.13	22.71	22.93	23.52	24.50	20.99	21.57	21.80	22.38	23.37
	6H	22.76	23.24	23.59	24.09	25.08	21.53	22.01	22.36	22.86	23.85
	8H	23.04	23.47	23.88	24.32	25.32	21.79	22.21	22.63	23.06	24.06
	12H	23.22	23.59	24.06	24.43	25.49	21.97	22.35	22.82	23.19	24.25
12H	4H	22.12	22.64	22.94	23.47	24.46	21.01	21.53	21.83	22.36	23.35
	6H	22.78	23.21	23.62	24.06	25.06	21.59	22.02	22.43	22.87	23.87
	8H	23.09	23.47	23.94	24.31	25.36	21.89	22.26	22.73	23.10	24.16