

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: P1439291

Luminaire Tested: CB3-0U-085D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439291
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-0U-085D-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
DIRECT ONLY
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

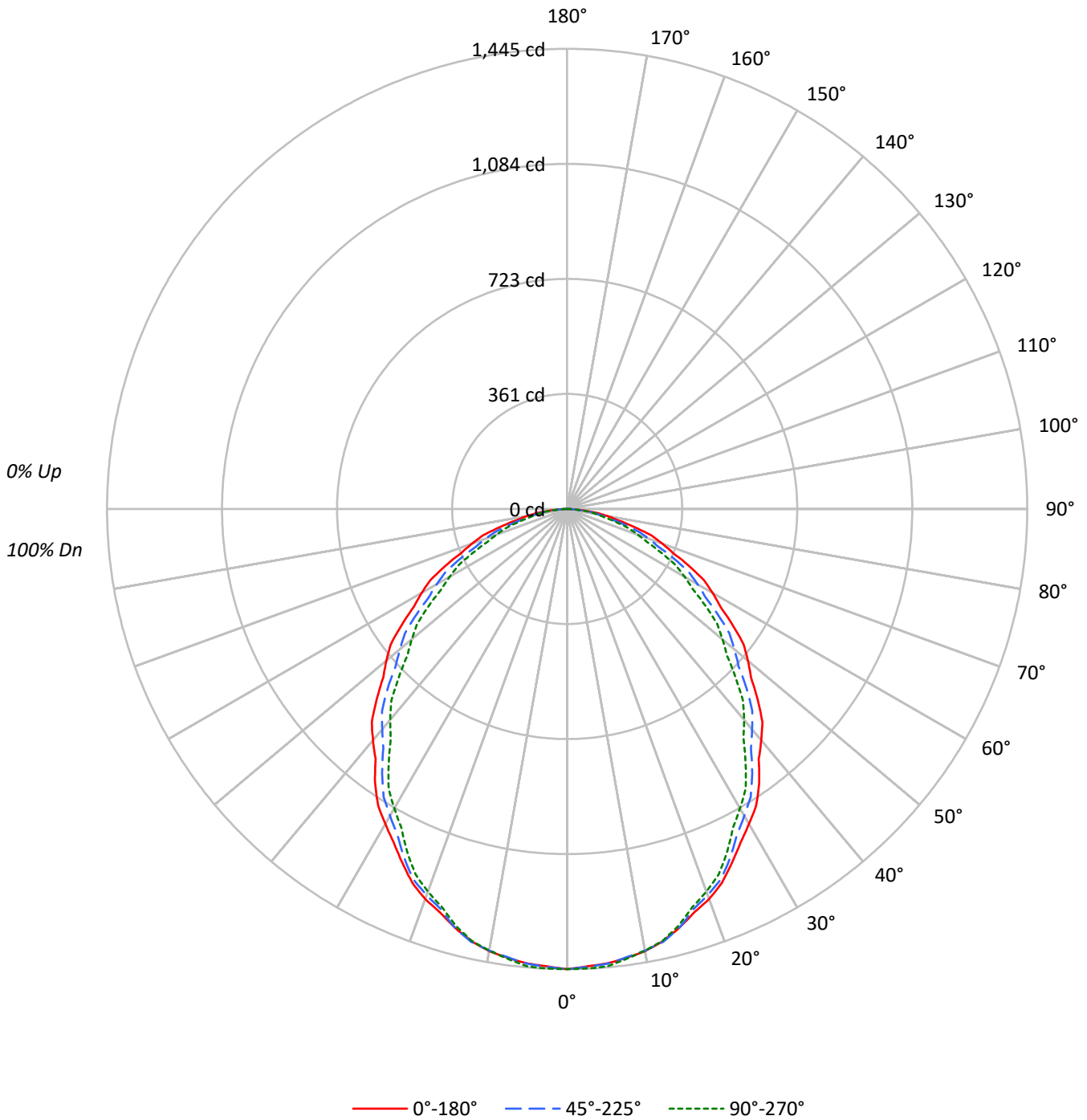
Lumens per Lamp: N/A
Luminaire Lumens: 3459.4 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Direct

Input Watts (W): 25.9
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					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	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100					100			
1	109	105	101	97	107	103	99	96	98	95	93	94	92	90	91	89	87	85					85			
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72					72			
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61					61			
4	84	72	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53					53			
5	78	65	56	50	75	64	56	50	62	55	49	60	54	49	58	53	48	46					46			
6	72	59	50	44	70	58	50	44	56	49	43	54	48	43	53	47	43	41					41			
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	48	43	38	36					36			
8	62	49	41	35	61	48	40	35	47	40	35	46	39	34	45	39	34	32					32			
9	58	45	37	32	57	45	37	32	43	36	31	42	36	31	41	35	31	29					29			
10	55	42	34	29	53	41	34	29	40	33	29	39	33	29	38	33	28	27					27			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16350	16350	16350
5°	16272	16284	16377
10°	16201	16177	16177
15°	15952	15952	15856
20°	15694	15533	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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.3	3.9
10°-20°	383.0	11.1
20°-30°	556.5	16.1
30°-40°	632.7	18.3
40°-50°	614.2	17.8
50°-60°	518.6	15.0
60°-70°	368.9	10.7
70°-80°	197.1	5.7
80°-90°	52.1	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1075.8	31.1
0°-40°	1708.5	49.4
0°-60°	2841.3	82.1
0°-90°	3459.4	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	3459.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1445	1445	1445	1445	1445	
5°	1433	1451	1434	1432	1442	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	60
90°	0	0	0	0	0	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1445.0	1445.0	1445.0	1445.0	1445.0
2.5°	1437.6	1452.0	1439.2	1440.9	1444.2
5°	1432.7	1450.7	1433.7	1431.9	1441.9
7.5°	1421.6	1438.0	1420.3	1416.2	1425.3
10°	1410.1	1428.1	1408.0	1403.0	1408.0
12.5°	1389.6	1408.4	1392.4	1384.1	1388.3
15°	1361.8	1373.9	1361.8	1353.6	1353.6
17.5°	1328.0	1340.6	1317.9	1312.1	1309.9
20°	1303.4	1314.4	1290.0	1281.7	1278.7
22.5°	1270.5	1280.7	1260.5	1246.4	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

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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	20.70	22.29	21.07	22.60	22.91	19.63	21.21	19.99	21.52	21.84
	3H	22.42	23.85	22.80	24.17	24.53	21.09	22.51	21.47	22.84	23.20
	4H	23.08	24.42	23.48	24.77	25.15	21.64	22.98	22.04	23.33	23.70
	6H	23.50	24.74	23.91	25.11	25.50	21.99	23.23	22.40	23.60	23.99
	8H	23.66	24.84	24.08	25.23	25.63	22.13	23.32	22.56	23.70	24.10
	12H	23.75	24.88	24.18	25.26	25.69	22.23	23.36	22.66	23.75	24.17
4H	2H	21.19	22.53	21.59	22.88	23.26	20.34	21.67	20.73	22.02	22.40
	3H	23.15	24.26	23.55	24.66	25.06	22.02	23.13	22.43	23.53	23.93
	4H	23.92	24.93	24.35	25.34	25.78	22.65	23.66	23.08	24.07	24.51
	6H	24.46	25.34	24.92	25.78	26.24	23.10	23.98	23.56	24.42	24.88
	8H	24.67	25.49	25.13	25.93	26.40	23.29	24.11	23.75	24.55	25.02
	12H	24.80	25.54	25.28	26.01	26.48	23.43	24.16	23.91	24.64	25.11
8H	4H	24.10	24.93	24.57	25.37	25.84	22.97	23.79	23.43	24.23	24.70
	6H	24.75	25.43	25.25	25.92	26.40	23.52	24.20	24.02	24.69	25.17
	8H	25.03	25.64	25.54	26.15	26.64	23.78	24.39	24.29	24.90	25.39
	12H	25.23	25.77	25.74	26.26	26.82	23.99	24.53	24.50	25.02	25.58
12H	4H	24.11	24.85	24.59	25.32	25.79	23.00	23.74	23.48	24.21	24.68
	6H	24.77	25.39	25.28	25.89	26.38	23.58	24.20	24.09	24.70	25.19
	8H	25.11	25.65	25.61	26.14	26.70	23.90	24.44	24.41	24.93	25.49