

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: P1439197

Luminaire Tested: CB3-055U-085D-930-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439197
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-2, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-055U-085D-930-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 3000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

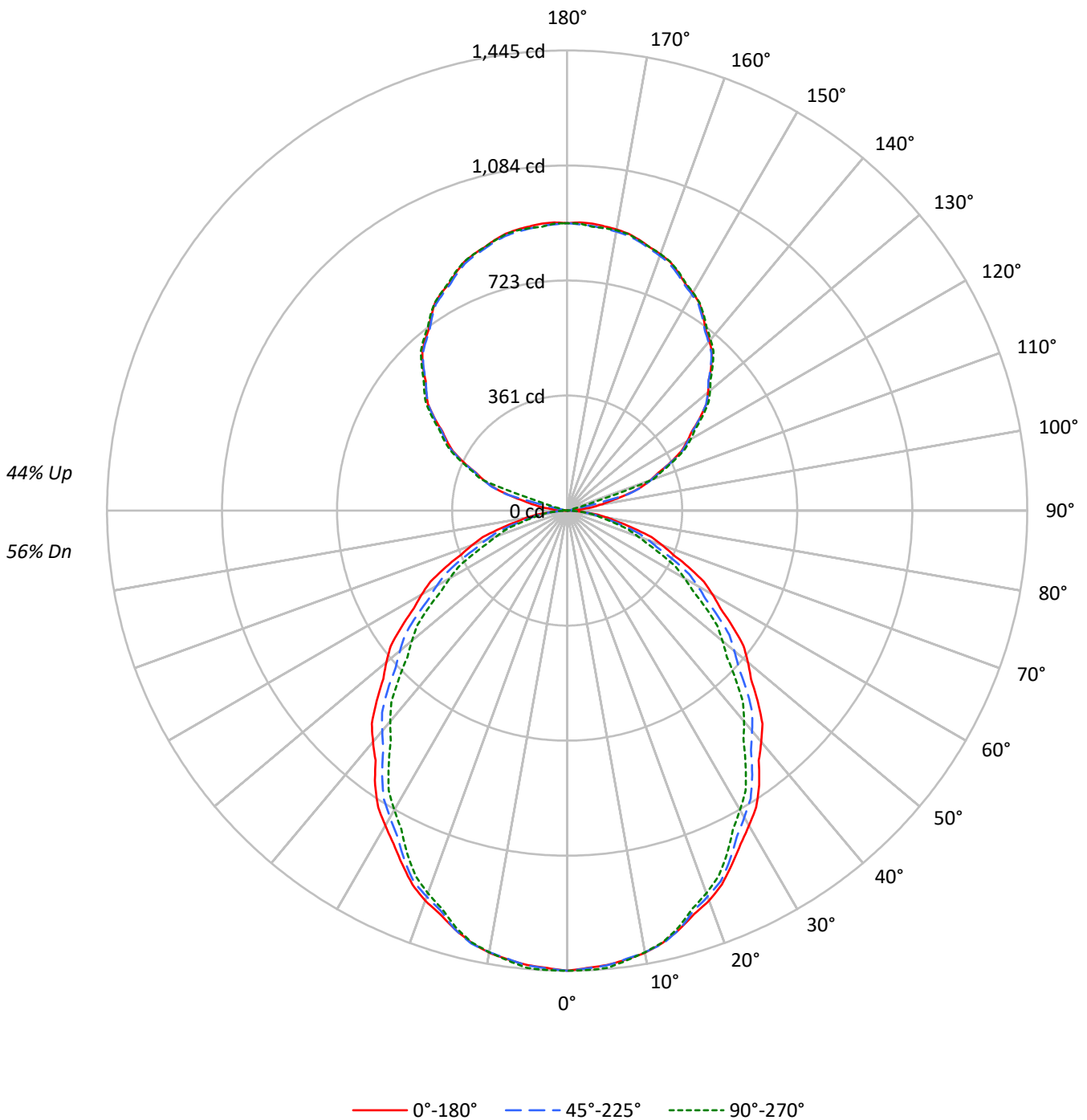
Lumens per Lamp: N/A
Luminaire Lumens: 6123.0 lumens
Efficiency: N/A
Efficacy: 147.2 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 41.6
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

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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									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	109	109	109	109	101	101	101	101	87	87	87	74	74	74	62	62	62	56																			
1	99	95	91	88	92	89	85	82	77	74	72	65	64	62	55	54	53	48																			
2	91	83	77	72	84	78	72	68	67	63	60	58	55	52	49	47	45	41																			
3	83	73	66	60	77	69	62	57	60	55	51	51	47	44	43	41	38	35																			
4	76	65	57	51	70	61	54	49	53	48	43	46	42	38	39	36	33	30																			
5	70	58	50	44	65	55	47	42	48	42	37	41	37	33	35	32	29	26																			
6	64	52	44	38	60	49	42	36	43	37	33	37	33	29	32	28	26	23																			
7	60	47	39	34	55	44	37	32	39	33	29	34	29	26	29	26	23	20																			
8	55	43	35	30	51	41	33	29	36	30	26	31	27	23	27	23	21	18																			
9	52	39	32	27	48	37	30	26	33	27	23	29	24	21	25	21	19	17																			
10	48	36	29	24	45	34	28	23	30	25	21	27	22	19	23	20	17	15																			

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	2.2
10°-20°	383.0	6.3
20°-30°	556.5	9.1
30°-40°	632.7	10.3
40°-50°	614.2	10.0
50°-60°	518.6	8.5
60°-70°	368.9	6.0
70°-80°	197.1	3.2
80°-90°	52.1	0.9
90°-100°	20.8	0.3
100°-110°	150.9	2.5
110°-120°	358.9	5.9
120°-130°	458.5	7.5
130°-140°	494.5	8.1
140°-150°	466.2	7.6
150°-160°	380.3	6.2
160°-170°	247.8	4.0
170°-180°	85.7	1.4
0°-30°	1075.8	17.6
0°-40°	1708.5	27.9
0°-60°	2841.3	46.4
0°-90°	3459.5	56.5
90°-120°	530.6	8.7
90°-150°	1949.8	31.8
90°-180°	2664.0	43.5
0°-180°	6123.0	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	58
90°	0	0	0	1	0	3
95°	38	7	9	10	10	47
105°	191	194	197	14	15	202
115°	358	361	362	367	369	354
125°	509	513	512	517	520	455
135°	640	643	638	643	647	493
145°	745	749	740	745	749	466
155°	825	832	820	822	828	380
165°	879	884	875	872	878	248
175°	905	909	897	892	895	86
180°	902	902	902	902	902	

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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	13.3	13.1
90°	0.0	0.0	0.0	0.7	0.0
92.5°	10.3	4.0	3.3	3.9	3.8
95°	38.1	6.8	8.8	9.5	9.5
97.5°	76.7	75.3	10.3	12.4	12.5
100°	106.1	109.4	10.9	12.9	13.6
102.5°	138.7	141.5	20.1	13.5	14.1
105°	191.1	193.8	196.6	14.3	15.0
107.5°	243.2	245.2	247.0	222.4	83.2
110°	277.5	279.5	280.2	287.0	288.4

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	309.6	312.1	313.4	319.2	321.6
115°	358.4	361.1	361.8	367.3	369.3
117.5°	404.8	407.6	408.9	413.3	416.5
120°	435.3	438.6	439.4	444.9	447.5
122.5°	465.2	469.1	468.7	473.7	477.4
125°	509.4	512.7	511.5	517.0	520.3
127.5°	551.4	553.4	550.6	557.4	560.2
130°	578.1	580.1	576.7	582.9	586.3
132.5°	602.6	605.6	601.8	607.4	610.8
135°	640.0	643.3	638.0	642.8	646.8
137.5°	673.3	677.3	670.9	676.5	680.0
140°	695.1	699.1	691.0	697.2	701.2
142.5°	715.2	720.3	710.6	716.3	720.8
145°	744.7	749.4	740.0	744.8	748.8
147.5°	772.8	776.7	767.7	771.2	774.0
150°	789.6	793.6	783.5	787.0	790.3
152.5°	803.2	808.8	798.7	801.2	806.1
155°	825.0	831.6	820.2	822.4	827.7
157.5°	845.0	851.0	839.5	841.4	846.1
160°	857.0	862.9	851.5	852.3	857.0
162.5°	866.2	871.7	861.9	860.5	866.2
165°	879.4	884.1	874.6	872.1	878.0
167.5°	890.4	895.7	884.2	882.0	888.8
170°	896.4	901.7	889.6	886.4	893.7
172.5°	900.2	905.0	893.4	889.1	894.8
175°	904.6	909.2	897.1	892.4	895.0
177.5°	905.8	909.5	899.8	895.6	902.0
180°	902.5	902.5	902.5	902.5	902.5



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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	17.44	18.35	18.34	19.27	20.44	16.36	17.27	17.26	18.19	19.37
	3H	19.11	19.92	20.02	20.85	22.05	17.78	18.59	18.69	19.52	20.72
	4H	19.74	20.51	20.67	21.45	22.66	18.30	19.07	19.23	20.00	21.21
	6H	20.13	20.84	21.07	21.78	23.00	18.62	19.33	19.56	20.27	21.49
	8H	20.27	20.94	21.22	21.90	23.12	18.74	19.42	19.69	20.38	21.60
	12H	20.34	20.98	21.29	21.93	23.18	18.82	19.46	19.77	20.41	21.66
4H	2H	17.85	18.62	18.79	19.56	20.77	16.99	17.76	17.93	18.70	19.91
	3H	19.75	20.39	20.69	21.35	22.58	18.62	19.26	19.56	20.22	21.45
	4H	20.50	21.08	21.45	22.04	23.29	19.23	19.81	20.18	20.77	22.02
	6H	21.00	21.51	21.97	22.49	23.74	19.64	20.15	20.61	21.13	22.38
	8H	21.19	21.67	22.16	22.64	23.91	19.81	20.28	20.78	21.26	22.52
	12H	21.29	21.72	22.28	22.71	23.98	19.92	20.35	20.91	21.34	22.61
8H	4H	20.63	21.10	21.60	22.08	23.34	19.49	19.96	20.46	20.94	22.20
	6H	21.25	21.64	22.25	22.66	23.92	20.02	20.41	21.02	21.43	22.69
	8H	21.53	21.87	22.53	22.88	24.16	20.27	20.62	21.28	21.63	22.90
	12H	21.69	22.00	22.70	23.00	24.32	20.45	20.76	21.46	21.76	23.08
12H	4H	20.61	21.03	21.59	22.02	23.29	19.50	19.92	20.48	20.91	22.18
	6H	21.27	21.61	22.27	22.62	23.90	20.08	20.42	21.08	21.43	22.71
	8H	21.57	21.87	22.58	22.87	24.20	20.36	20.67	21.37	21.67	22.99