

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: P1438615

Luminaire Tested: CB2-030U-085D-835-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438615
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2506-466-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-030U-085D-835-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 850 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

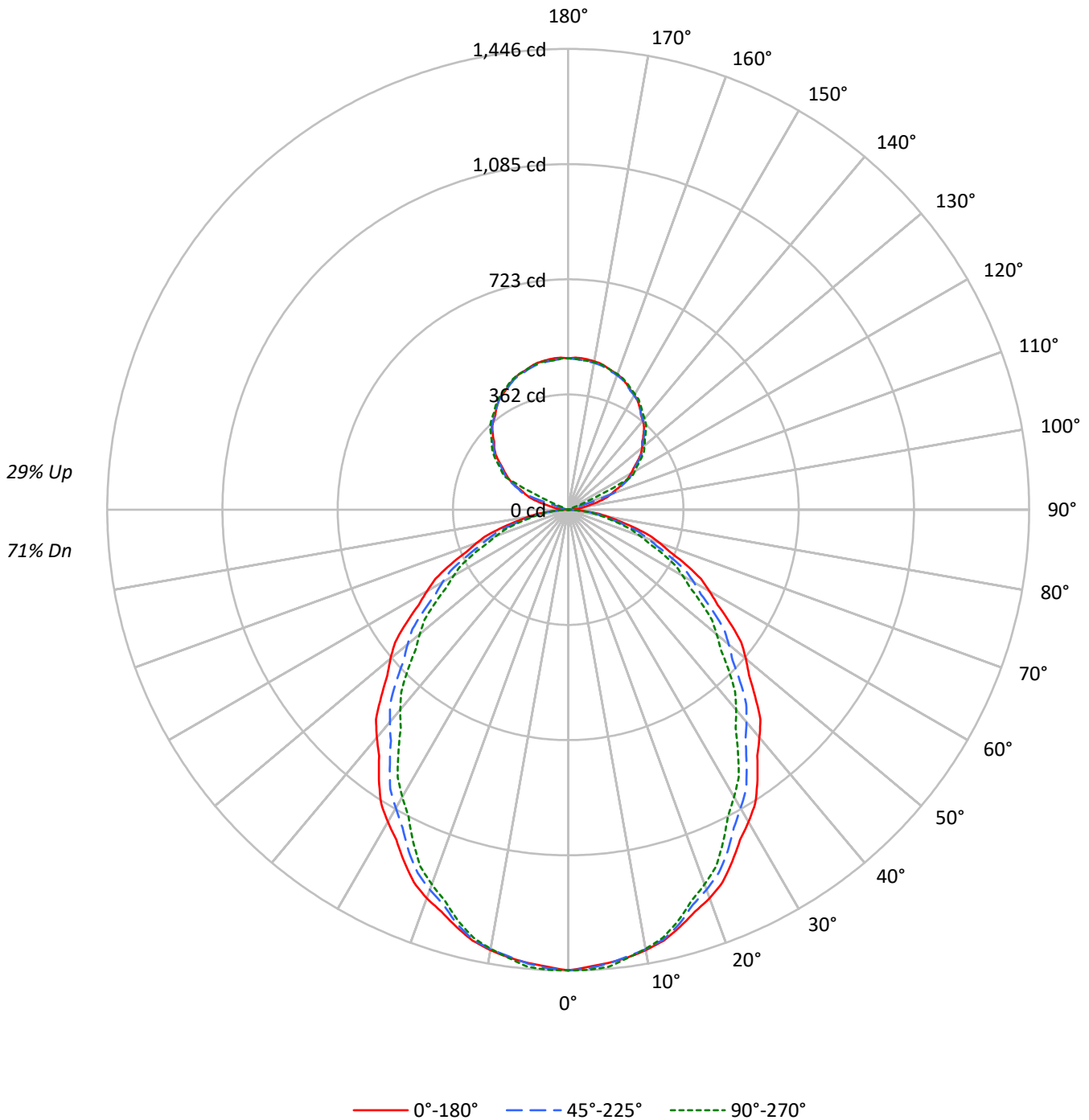
Lumens per Lamp: N/A
Luminaire Lumens: 4725.0 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 37.1
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	50	30	10	50	30	10	0																
RCR																																														
0	112	112	112	112	106	106	106	106	95	95	95	85	85	85	76	76	76	76	76	76	76	76	76	76	76	76	76	76	71																	
1	103	98	95	91	97	93	90	87	84	81	79	75	73	71	67	66	65	65	65	65	65	65	65	65	65	65	65	65	61																	
2	94	86	80	75	89	82	76	72	74	70	66	66	63	60	60	57	55	55	55	55	55	55	55	55	55	55	55	55	51																	
3	86	76	69	63	81	72	66	60	65	60	56	59	55	51	53	50	47	47	47	47	47	47	47	47	47	47	47	47	44																	
4	79	68	60	53	74	64	57	52	58	53	48	53	48	44	48	44	41	41	41	41	41	41	41	41	41	41	41	41	41	38																
5	72	61	52	46	68	58	50	45	53	46	42	48	43	39	43	39	36	36	36	36	36	36	36	36	36	36	36	36	36	33																
6	67	55	46	40	63	52	45	39	48	41	37	43	38	34	39	35	32	32	32	32	32	32	32	32	32	32	32	32	32	29																
7	62	50	41	36	59	47	40	35	43	37	32	39	34	30	36	32	28	28	28	28	28	28	28	28	28	28	28	28	28	26																
8	58	45	37	32	55	43	36	31	40	33	29	36	31	27	33	29	25	25	25	25	25	25	25	25	25	25	25	25	25	23																
9	54	41	34	29	51	40	33	28	37	30	26	33	28	25	31	26	23	23	23	23	23	23	23	23	23	23	23	23	23	21																
10	51	38	31	26	48	37	30	25	34	28	24	31	26	22	28	24	21	21	21	21	21	21	21	21	21	21	21	21	21	19																

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	25180	25180	25180
5°	24967	25005	25180
10°	24824	24766	24746
15°	24431	24273	24072
20°	24047	23514	23186
25°	23402	22741	22103
30°	22752	21751	20926
35°	22007	20735	19747
40°	21218	19783	18626
45°	20422	18787	17533
50°	19707	17816	16467
55°	18824	16808	15462
60°	17814	15850	14460
65°	16745	14783	13460
70°	15558	13587	12176
75°	14152	12288	11023
80°	12658	10772	9990
85°	9732	8853	7294

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 20422 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.0	2.9
10°-20°	379.0	8.0
20°-30°	544.9	11.5
30°-40°	612.5	13.0
40°-50°	591.6	12.5
50°-60°	499.9	10.6
60°-70°	359.1	7.6
70°-80°	196.2	4.2
80°-90°	52.1	1.1
90°-100°	8.3	0.2
100°-110°	52.7	1.1
110°-120°	167.3	3.5
120°-130°	242.8	5.1
130°-140°	261.1	5.5
140°-150°	245.9	5.2
150°-160°	200.3	4.2
160°-170°	130.4	2.8
170°-180°	45.1	1.0
0°-30°	1059.8	22.4
0°-40°	1672.3	35.4
0°-60°	2763.8	58.5
0°-90°	3371.2	71.3
90°-120°	228.2	4.8
90°-150°	978.0	20.7
90°-180°	1354.0	28.7
0°-180°	4725.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1446	1446	1446	1446	1446	
5°	1428	1448	1430	1430	1440	136
15°	1355	1367	1346	1333	1335	382
25°	1218	1219	1183	1157	1150	561
35°	1035	1023	975	937	929	647
45°	829	812	763	723	712	641
55°	620	597	554	519	509	554
65°	406	391	359	333	327	403
75°	210	197	183	168	164	225
85°	49	46	44	39	36	58
90°	0	0	0	0	0	3
95°	19	6	6	4	3	24
105°	99	103	10	12	13	104
115°	187	191	193	195	112	184
125°	266	270	270	275	279	238
135°	334	338	338	340	344	258
145°	391	394	392	392	397	245
155°	435	437	432	432	438	200
165°	463	465	460	458	463	131
175°	477	478	472	469	471	45
180°	475	475	475	475	475	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1445.7	1445.7	1445.7	1445.7	1445.7
2.5°	1436.0	1453.3	1440.4	1442.2	1444.8
5°	1428.0	1447.5	1430.2	1430.4	1440.2
7.5°	1417.8	1436.2	1414.5	1410.5	1419.6
10°	1403.6	1422.0	1400.3	1392.7	1399.2
12.5°	1385.0	1402.6	1381.7	1369.7	1375.3
15°	1354.9	1366.8	1346.1	1332.8	1335.0
17.5°	1322.2	1329.5	1299.6	1288.5	1286.3
20°	1297.4	1303.9	1268.6	1253.0	1250.9
22.5°	1265.5	1271.1	1234.0	1214.9	1211.9
25°	1217.7	1218.7	1183.3	1156.6	1150.1
27.5°	1167.6	1164.2	1124.9	1093.3	1084.8
30°	1131.3	1127.0	1081.5	1048.1	1040.5
32.5°	1092.3	1084.6	1039.0	1003.0	995.4
35°	1035.0	1023.1	975.2	937.4	928.7
37.5°	973.9	960.5	913.5	872.3	862.5
40°	933.2	918.0	870.1	828.9	819.2
42.5°	892.4	875.5	826.7	785.5	774.9
45°	829.1	811.8	762.7	722.6	711.8
47.5°	768.9	746.8	699.2	659.3	648.5
50°	727.3	703.5	657.5	618.5	607.7
52.5°	684.8	660.1	615.9	578.7	567.9
55°	619.9	597.2	553.5	518.9	509.2
57.5°	555.7	533.8	493.9	460.9	451.4
60°	511.4	493.0	455.0	423.8	415.1
62.5°	468.9	452.2	416.0	387.5	378.8
65°	406.3	391.1	358.7	333.0	326.6
67.5°	345.4	330.2	304.0	281.0	273.6
70°	305.5	290.4	266.8	245.6	239.1
72.5°	267.4	251.4	232.2	212.9	208.1
75°	210.3	197.3	182.6	168.2	163.8
77.5°	159.8	147.3	136.6	126.4	125.3
80°	126.2	115.4	107.4	100.7	99.6
82.5°	94.3	86.1	80.8	75.9	75.7
85°	48.7	45.5	44.3	38.7	36.5
87.5°	14.2	14.2	12.4	10.7	10.7
90°	0.0	0.0	0.0	0.3	0.3
92.5°	5.2	2.0	1.4	2.0	2.0
95°	18.9	5.5	5.8	3.8	3.4
97.5°	39.2	8.8	8.4	9.3	9.6
100°	54.6	18.0	9.3	10.6	11.0
102.5°	71.6	67.8	9.5	11.5	12.1
105°	98.9	102.6	10.3	12.0	12.7
107.5°	125.6	129.3	47.9	12.4	13.1
110°	143.5	147.2	151.7	12.7	13.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	160.2	164.7	168.2	28.3	13.9
115°	187.1	191.1	192.9	195.2	111.9
117.5°	210.8	215.7	217.8	221.6	225.4
120°	227.3	232.0	233.4	237.3	241.3
122.5°	243.5	247.6	248.5	253.0	256.7
125°	265.7	270.4	270.5	275.1	278.7
127.5°	287.9	292.0	291.8	295.2	299.3
130°	302.8	305.5	305.5	308.4	312.7
132.5°	315.1	318.9	319.0	321.3	325.6
135°	334.4	338.4	337.8	340.0	344.3
137.5°	352.4	356.3	355.2	357.1	361.5
140°	364.2	367.6	365.9	367.8	372.8
142.5°	375.2	378.6	376.1	377.7	383.0
145°	391.3	394.4	391.7	392.1	397.2
147.5°	405.7	408.7	405.4	405.9	410.6
150°	415.0	417.7	413.7	414.1	418.8
152.5°	423.3	425.7	421.4	421.3	426.8
155°	434.6	437.3	432.5	431.6	437.7
157.5°	444.9	447.4	442.6	442.0	446.7
160°	451.8	453.4	448.7	447.8	452.5
162.5°	456.4	458.4	453.6	452.1	456.8
165°	463.4	464.8	460.0	458.1	462.8
167.5°	469.5	471.0	464.9	463.1	468.2
170°	473.0	474.1	467.9	465.6	470.6
172.5°	475.2	476.0	469.8	467.2	470.6
175°	477.2	478.2	472.0	469.0	471.3
177.5°	477.5	478.0	473.4	470.7	474.8
180°	474.8	474.8	474.8	474.8	474.8



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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	19.99	21.06	20.74	21.83	22.77	18.89	19.96	19.64	20.73	21.67
	3H	21.65	22.61	22.41	23.40	24.36	20.43	21.40	21.20	22.18	23.14
	4H	22.29	23.20	23.07	23.99	24.96	21.01	21.92	21.80	22.71	23.69
	6H	22.70	23.54	23.50	24.34	25.33	21.40	22.24	22.19	23.04	24.02
	8H	22.86	23.65	23.66	24.47	25.46	21.54	22.34	22.35	23.16	24.15
	12H	22.94	23.70	23.75	24.51	25.52	21.61	22.37	22.42	23.19	24.20
4H	2H	20.42	21.33	21.21	22.12	23.10	19.55	20.46	20.34	21.25	22.22
	3H	22.31	23.07	23.11	23.89	24.88	21.30	22.06	22.10	22.89	23.88
	4H	23.07	23.75	23.88	24.58	25.60	21.98	22.67	22.80	23.50	24.52
	6H	23.60	24.19	24.43	25.04	26.07	22.47	23.07	23.30	23.92	24.94
	8H	23.81	24.36	24.64	25.21	26.24	22.67	23.22	23.50	24.07	25.10
	12H	23.92	24.42	24.78	25.29	26.33	22.76	23.27	23.62	24.13	25.17
8H	4H	23.24	23.80	24.07	24.64	25.68	22.27	22.83	23.11	23.68	24.71
	6H	23.89	24.35	24.75	25.24	26.27	22.89	23.35	23.75	24.23	25.27
	8H	24.18	24.59	25.05	25.47	26.53	23.16	23.57	24.04	24.46	25.51
	12H	24.37	24.73	25.24	25.60	26.71	23.32	23.68	24.20	24.56	25.66
12H	4H	23.23	23.73	24.08	24.59	25.64	22.29	22.79	23.14	23.65	24.70
	6H	23.92	24.33	24.79	25.21	26.26	22.95	23.36	23.82	24.24	25.30
	8H	24.25	24.61	25.12	25.48	26.59	23.27	23.63	24.14	24.50	25.61