

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: P1439107

Luminaire Tested: CB3-030U-030D-835-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439107
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: CB3-030U-030D-835-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

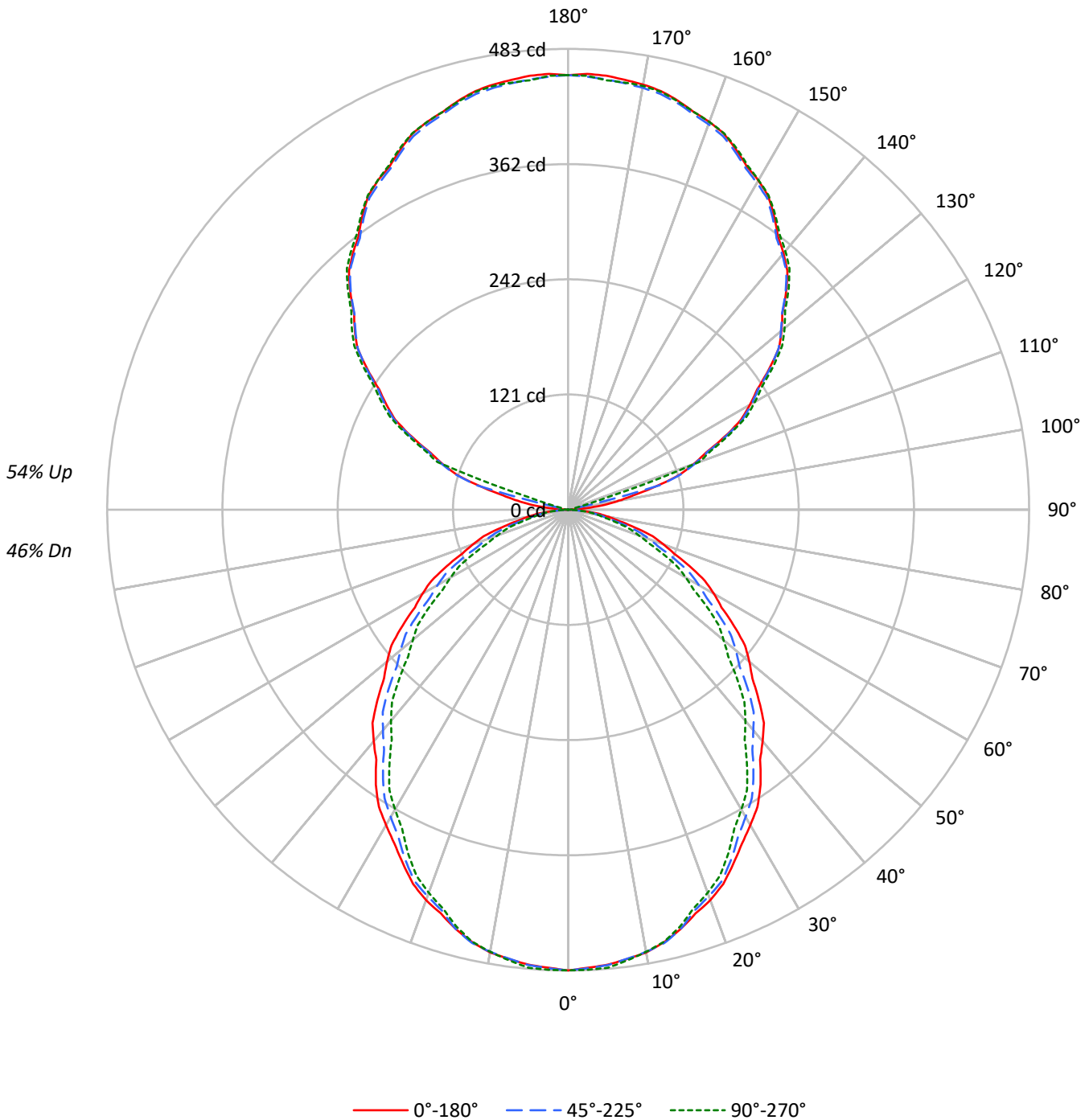
Lumens per Lamp: N/A
Luminaire Lumens: 2500.4 lumens
Efficiency: N/A
Efficacy: 149.7 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 16.7
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	106	106	106	106	98	98	98	98	81	81	81	66	66	66	53	53	53	46					46			
1	97	93	89	86	89	85	82	79	71	69	67	59	57	56	47	46	45	39					39			
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	41	40	38	33					33			
3	81	72	64	59	74	66	60	55	56	51	47	46	42	40	37	34	32	28					28			
4	74	63	56	50	68	59	52	46	49	44	40	41	37	34	33	30	28	24					24			
5	68	57	49	43	62	52	45	40	44	39	35	37	33	30	30	27	25	21					21			
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22	19					19			
7	58	46	38	32	53	43	36	31	36	31	27	30	26	23	25	22	19	17					17			
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17	15					15			
9	50	38	31	26	46	35	29	24	30	25	21	26	21	19	21	18	16	14					14			
10	47	35	28	23	43	32	26	22	28	23	19	24	20	17	20	17	14	12					12			

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5464	5464	5464
5°	5437	5442	5472
10°	5414	5406	5406
15°	5331	5331	5298
20°	5244	5191	5145
25°	5112	5047	4957
30°	4987	4858	4740
35°	4855	4676	4510
40°	4681	4458	4266
45°	4522	4264	4000
50°	4358	4033	3742
55°	4180	3809	3497
60°	3990	3578	3220
65°	3764	3314	2929
70°	3507	3007	2610
75°	3178	2640	2326
80°	2769	2215	2059
85°	2142	1869	1869

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4522 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.6	1.8
10°-20°	128.0	5.1
20°-30°	186.0	7.4
30°-40°	211.4	8.5
40°-50°	205.2	8.2
50°-60°	173.3	6.9
60°-70°	123.3	4.9
70°-80°	65.9	2.6
80°-90°	17.4	0.7
90°-100°	10.5	0.4
100°-110°	76.2	3.0
110°-120°	181.1	7.2
120°-130°	231.4	9.3
130°-140°	249.6	10.0
140°-150°	235.3	9.4
150°-160°	192.0	7.7
160°-170°	125.1	5.0
170°-180°	43.2	1.7
0°-30°	359.5	14.4
0°-40°	570.9	22.8
0°-60°	949.5	38.0
0°-90°	1156.1	46.2
90°-120°	267.8	10.7
90°-150°	984.1	39.4
90°-180°	1344.0	53.8
0°-180°	2500.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	483	483	483	483	483	
5°	479	485	479	478	482	45
15°	455	459	455	452	452	128
25°	410	411	404	399	397	189
35°	352	348	338	328	326	219
45°	283	278	266	254	250	218
55°	212	206	193	181	177	189
65°	141	136	124	113	109	139
75°	73	69	60	54	53	78
85°	16	15	14	14	14	20
90°	0	0	0	0	0	1
95°	19	3	4	5	5	24
105°	96	98	99	7	8	102
115°	181	182	183	185	186	178
125°	257	259	258	261	263	229
135°	323	325	322	324	326	249
145°	376	378	374	376	378	235
155°	416	420	414	415	418	192
165°	444	446	442	440	443	125
175°	457	459	453	450	452	43
180°	456	456	456	456	456	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	482.9	482.9	482.9	482.9	482.9
2.5°	480.4	485.2	480.9	481.5	482.6
5°	478.7	484.8	479.1	478.5	481.8
7.5°	475.0	480.5	474.6	473.3	476.3
10°	471.2	477.2	470.5	468.8	470.5
12.5°	464.3	470.6	465.3	462.5	463.9
15°	455.1	459.1	455.1	452.3	452.3
17.5°	443.8	448.0	440.4	438.5	437.7
20°	435.5	439.2	431.1	428.3	427.3
22.5°	424.6	428.0	421.2	416.5	415.2
25°	409.5	410.8	404.3	398.8	397.1
27.5°	394.3	394.7	385.7	379.0	376.8
30°	381.7	382.0	371.8	364.5	362.8
32.5°	369.1	368.1	358.3	349.7	348.6
35°	351.5	348.2	338.5	328.5	326.5
37.5°	330.3	328.3	316.9	306.9	303.8
40°	316.9	313.5	301.8	291.8	288.8
42.5°	303.4	299.5	287.5	276.4	273.1
45°	282.6	278.2	266.5	253.7	250.0
47.5°	261.6	256.8	243.9	231.5	227.4
50°	247.6	242.6	229.1	217.0	212.6
52.5°	233.3	228.0	214.5	202.2	198.6
55°	211.9	206.2	193.1	180.7	177.3
57.5°	190.5	184.9	171.8	160.1	156.0
60°	176.3	170.9	158.1	146.3	142.3
62.5°	161.7	156.6	144.1	132.6	128.9
65°	140.6	135.6	123.8	112.8	109.4
67.5°	119.7	115.4	103.8	93.6	90.9
70°	106.0	101.9	90.9	81.6	78.9
72.5°	92.8	88.5	78.0	70.1	68.2
75°	72.7	68.7	60.4	54.2	53.2
77.5°	54.3	51.0	43.8	40.3	39.8
80°	42.5	39.5	34.0	31.6	31.6
82.5°	31.6	29.1	25.4	24.4	24.4
85°	16.5	15.1	14.4	14.4	14.4
87.5°	4.9	4.9	4.7	4.5	4.4
90°	0.0	0.0	0.0	0.3	0.0
92.5°	5.2	2.0	1.6	2.0	1.9
95°	19.2	3.4	4.5	4.8	4.8
97.5°	38.7	38.0	5.2	6.2	6.3
100°	53.6	55.2	5.5	6.5	6.9
102.5°	70.0	71.4	10.2	6.8	7.1
105°	96.5	97.8	99.2	7.2	7.6
107.5°	122.8	123.8	124.7	112.2	42.0
110°	140.1	141.1	141.4	144.9	145.6

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	156.3	157.5	158.2	161.1	162.3
115°	180.9	182.3	182.6	185.4	186.4
117.5°	204.3	205.7	206.4	208.6	210.2
120°	219.7	221.4	221.8	224.5	225.9
122.5°	234.8	236.8	236.6	239.1	241.0
125°	257.1	258.8	258.2	260.9	262.6
127.5°	278.3	279.3	277.9	281.3	282.7
130°	291.8	292.8	291.1	294.2	295.9
132.5°	304.2	305.7	303.7	306.6	308.3
135°	323.0	324.7	322.0	324.5	326.5
137.5°	339.9	341.9	338.6	341.5	343.2
140°	350.8	352.9	348.8	351.9	353.9
142.5°	361.0	363.6	358.7	361.5	363.8
145°	375.9	378.2	373.5	375.9	378.0
147.5°	390.0	392.1	387.5	389.3	390.7
150°	398.6	400.6	395.5	397.2	398.9
152.5°	405.4	408.2	403.2	404.4	406.9
155°	416.4	419.8	414.0	415.1	417.8
157.5°	426.5	429.5	423.8	424.7	427.0
160°	432.5	435.6	429.8	430.2	432.5
162.5°	437.2	440.0	435.0	434.3	437.2
165°	443.9	446.2	441.5	440.2	443.2
167.5°	449.4	452.1	446.3	445.2	448.6
170°	452.5	455.1	449.0	447.4	451.1
172.5°	454.4	456.8	450.9	448.7	451.6
175°	456.6	458.9	452.8	450.4	451.8
177.5°	457.2	459.1	454.2	452.0	455.3
180°	455.5	455.5	455.5	455.5	455.5



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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	12.69	13.51	13.68	14.51	15.83	11.61	12.43	12.60	13.43	14.76
	3H	14.35	15.09	15.35	16.10	17.44	13.02	13.75	14.02	14.76	16.11
	4H	14.98	15.67	16.00	16.69	18.04	13.54	14.23	14.55	15.25	16.60
	6H	15.36	16.00	16.39	17.02	18.39	13.85	14.49	14.88	15.51	16.88
	8H	15.50	16.11	16.53	17.14	18.50	13.98	14.58	15.01	15.62	16.98
	12H	15.57	16.14	16.60	17.17	18.56	14.05	14.63	15.08	15.66	17.04
4H	2H	13.09	13.79	14.11	14.80	16.15	12.23	12.93	13.25	13.94	15.30
	3H	14.98	15.56	16.01	16.60	17.97	13.85	14.43	14.88	15.47	16.84
	4H	15.72	16.25	16.76	17.29	18.68	14.45	14.98	15.49	16.02	17.41
	6H	16.22	16.68	17.27	17.74	19.12	14.86	15.32	15.91	16.38	17.76
	8H	16.41	16.84	17.46	17.89	19.29	15.03	15.46	16.08	16.51	17.91
	12H	16.51	16.89	17.58	17.96	19.37	15.14	15.52	16.20	16.59	17.99
8H	4H	15.85	16.27	16.90	17.33	18.73	14.71	15.14	15.76	16.19	17.59
	6H	16.47	16.82	17.54	17.91	19.31	15.24	15.59	16.31	16.68	18.08
	8H	16.74	17.05	17.82	18.13	19.55	15.49	15.80	16.57	16.88	18.29
	12H	16.91	17.18	17.99	18.25	19.71	15.67	15.94	16.75	17.01	18.47
12H	4H	15.82	16.21	16.89	17.27	18.68	14.71	15.10	15.78	16.16	17.57
	6H	16.48	16.79	17.56	17.87	19.29	15.30	15.61	16.38	16.68	18.10
	8H	16.78	17.05	17.86	18.12	19.58	15.58	15.85	16.66	16.92	18.38