

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: P1438590

Luminaire Tested: CB2-030U-030D-840-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438590
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-030D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, OPEN UPLIGHT
2-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

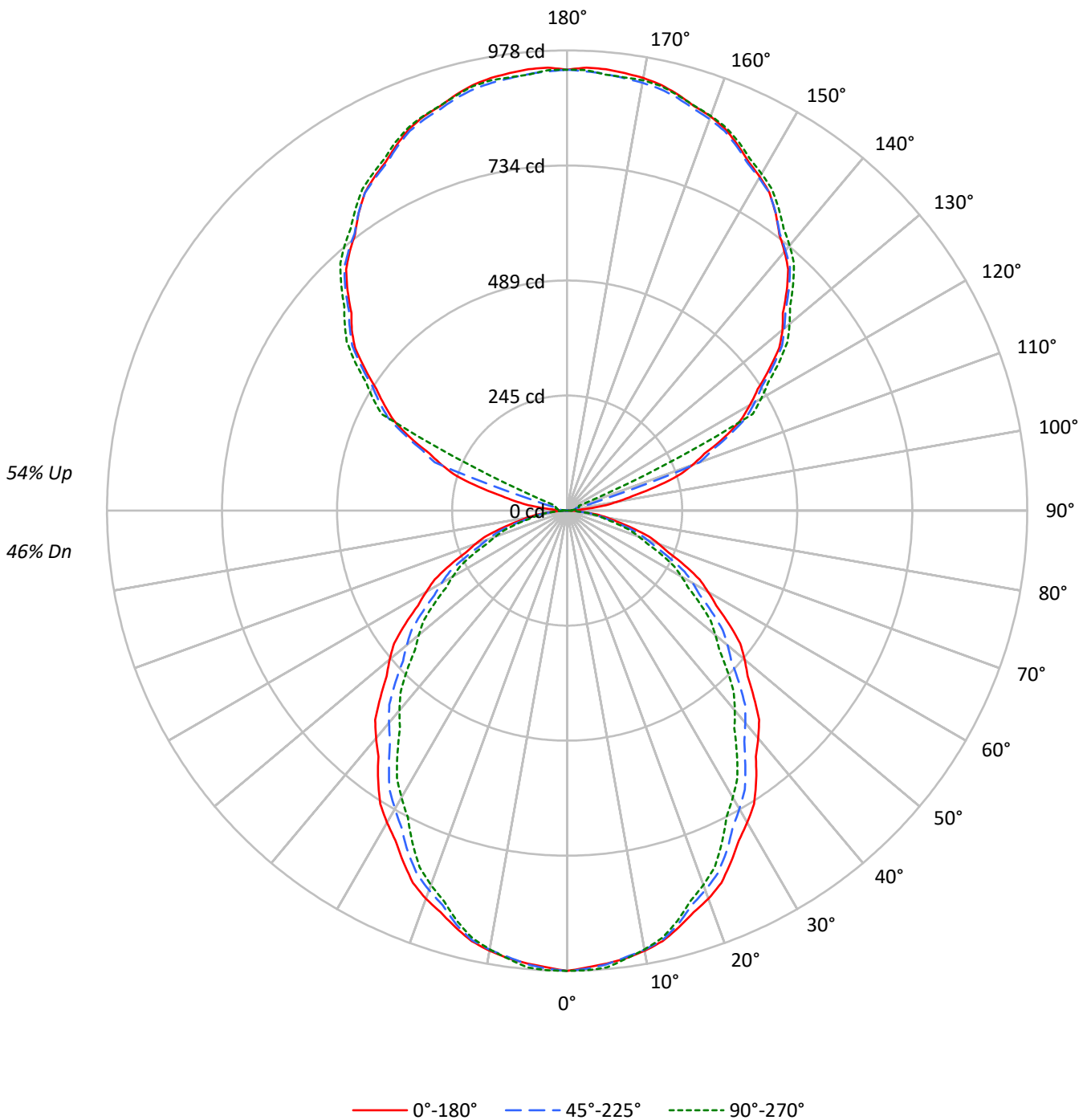
Lumens per Lamp: N/A
Luminaire Lumens: 4952.9 lumens
Efficiency: N/A
Efficacy: 135.0 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 36.7
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	0	
RCR																						
0	106	106	106	106	97	97	97	97	81	81	81	66	66	66	53	53	53	46				
1	97	93	89	86	89	85	82	79	71	69	67	59	57	55	47	46	45	39				
2	89	81	75	70	81	75	70	65	63	59	56	52	49	47	41	39	38	33				
3	81	72	64	59	74	66	60	55	55	51	47	46	42	40	37	34	32	28				
4	74	63	56	50	68	59	52	46	49	44	40	41	37	34	33	30	28	24				
5	68	57	49	43	62	52	45	40	44	39	35	37	33	30	30	27	25	21				
6	63	51	43	37	57	47	40	35	40	34	30	33	29	26	27	24	22	19				
7	58	46	38	33	53	43	36	31	36	31	27	30	26	23	25	22	19	17				
8	54	42	34	29	49	39	32	27	33	28	24	28	24	21	23	20	17	15				
9	50	38	31	26	46	35	29	24	30	25	21	26	21	19	21	18	16	14				
10	47	35	28	23	43	33	26	22	28	23	19	24	20	17	20	17	14	12				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8521	8521	8521
5°	8448	8461	8520
10°	8400	8380	8373
15°	8267	8213	8145
20°	8137	7956	7845
25°	7918	7695	7479
30°	7699	7360	7081
35°	7446	7017	6682
40°	7179	6694	6303
45°	6910	6356	5933
50°	6668	6029	5572
55°	6369	5688	5232
60°	6028	5363	4893
65°	5665	5001	4554
70°	5266	4596	4120
75°	4788	4159	3732
80°	4283	3646	3380
85°	3297	2998	2468

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 6910 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.0	1.9
10°-20°	256.5	5.2
20°-30°	368.8	7.4
30°-40°	414.5	8.4
40°-50°	400.4	8.1
50°-60°	338.3	6.8
60°-70°	243.0	4.9
70°-80°	132.8	2.7
80°-90°	35.3	0.7
90°-100°	16.3	0.3
100°-110°	103.9	2.1
110°-120°	330.2	6.7
120°-130°	479.1	9.7
130°-140°	515.3	10.4
140°-150°	485.1	9.8
150°-160°	395.2	8.0
160°-170°	257.2	5.2
170°-180°	88.9	1.8
0°-30°	717.2	14.5
0°-40°	1131.7	22.8
0°-60°	1870.4	37.8
0°-90°	2281.5	46.1
90°-120°	450.4	9.1
90°-150°	1930.0	39.0
90°-180°	2671.0	53.9
0°-180°	4952.9	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	978	978	978	978	978	
5°	966	980	968	968	975	92
15°	917	925	911	902	903	258
25°	824	825	801	783	778	379
35°	700	692	660	634	628	438
45°	561	549	516	489	482	433
55°	420	404	375	351	345	375
65°	275	265	243	225	221	273
75°	142	134	124	114	111	152
85°	33	31	30	26	25	39
90°	0	0	0	1	1	3
95°	37	11	12	7	7	47
105°	195	202	20	24	25	205
115°	369	377	381	385	221	363
125°	524	534	534	543	550	469
135°	660	668	667	671	680	509
145°	772	778	773	774	784	483
155°	858	863	854	852	864	395
165°	914	917	908	904	913	258
175°	942	944	932	926	930	90
180°	937	937	937	937	937	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	978.4	978.4	978.4	978.4	978.4
2.5°	971.8	983.5	974.8	976.0	977.8
5°	966.4	979.6	967.9	968.0	974.6
7.5°	959.5	971.9	957.2	954.5	960.7
10°	949.9	962.3	947.6	942.5	946.9
12.5°	937.3	949.2	935.1	926.9	930.7
15°	916.9	925.0	910.9	902.0	903.4
17.5°	894.8	899.7	879.5	872.0	870.5
20°	878.0	882.4	858.5	848.0	846.5
22.5°	856.4	860.2	835.1	822.2	820.1
25°	824.0	824.8	800.8	782.7	778.3
27.5°	790.2	787.8	761.3	739.9	734.1
30°	765.6	762.7	731.9	709.3	704.2
32.5°	739.2	734.0	703.1	678.7	673.6
35°	700.4	692.4	660.0	634.4	628.5
37.5°	659.1	650.0	618.2	590.3	583.7
40°	631.5	621.3	588.8	560.9	554.4
42.5°	603.9	592.5	559.4	531.6	524.4
45°	561.1	549.4	516.1	489.0	481.7
47.5°	520.3	505.4	473.1	446.2	438.8
50°	492.2	476.1	445.0	418.6	411.3
52.5°	463.4	446.7	416.8	391.6	384.3
55°	419.5	404.1	374.6	351.2	344.6
57.5°	376.1	361.3	334.3	311.9	305.5
60°	346.1	333.6	307.9	286.8	280.9
62.5°	317.3	306.1	281.5	262.2	256.4
65°	274.9	264.7	242.7	225.4	221.0
67.5°	233.7	223.5	205.7	190.2	185.2
70°	206.8	196.5	180.5	166.2	161.8
72.5°	181.0	170.1	157.2	144.1	140.8
75°	142.3	133.5	123.6	113.8	110.9
77.5°	108.2	99.7	92.4	85.5	84.8
80°	85.4	78.1	72.7	68.2	67.4
82.5°	63.8	58.3	54.7	51.4	51.2
85°	33.0	30.8	30.0	26.2	24.7
87.5°	9.6	9.6	8.4	7.3	7.3
90°	0.0	0.0	0.0	0.7	0.7
92.5°	10.3	3.9	2.7	3.9	3.9
95°	37.3	10.8	11.5	7.4	6.8
97.5°	77.4	17.4	16.7	18.3	19.0
100°	107.7	35.5	18.3	21.0	21.7
102.5°	141.3	133.8	18.8	22.7	23.8
105°	195.1	202.4	20.3	23.7	25.1
107.5°	247.9	255.2	94.6	24.6	25.9
110°	283.2	290.4	299.4	25.1	26.4



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	316.2	325.1	331.9	55.9	27.5
115°	369.2	377.1	380.7	385.1	220.8
117.5°	415.9	425.7	429.8	437.4	444.8
120°	448.5	457.7	460.6	468.3	476.2
122.5°	480.4	488.6	490.5	499.2	506.6
125°	524.3	533.6	533.8	542.8	550.1
127.5°	568.2	576.2	575.8	582.5	590.6
130°	597.5	602.8	602.9	608.5	617.1
132.5°	621.9	629.3	629.5	634.0	642.6
135°	659.8	667.8	666.6	670.8	679.5
137.5°	695.4	703.1	701.0	704.6	713.5
140°	718.7	725.4	722.1	725.7	735.7
142.5°	740.4	747.0	742.2	745.3	755.7
145°	772.3	778.2	772.9	773.8	783.8
147.5°	800.6	806.4	800.0	800.9	810.2
150°	819.0	824.3	816.3	817.2	826.5
152.5°	835.3	840.0	831.5	831.3	842.2
155°	857.6	862.9	853.6	851.8	863.7
157.5°	877.9	882.8	873.5	872.2	881.5
160°	891.5	894.8	885.4	883.6	892.8
162.5°	900.7	904.5	895.1	892.2	901.5
165°	914.5	917.2	907.7	903.9	913.2
167.5°	926.4	929.5	917.4	913.9	923.9
170°	933.5	935.5	923.3	918.8	928.7
172.5°	937.8	939.3	927.1	922.0	928.7
175°	941.6	943.6	931.5	925.5	930.1
177.5°	942.3	943.4	934.2	928.9	936.9
180°	936.9	936.9	936.9	936.9	936.9



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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	14.07	14.88	15.06	15.89	17.21	12.97	13.78	13.96	14.79	16.11
	3H	15.71	16.44	16.71	17.45	18.80	14.49	15.22	15.50	16.24	17.58
	4H	16.34	17.03	17.35	18.04	19.40	15.06	15.76	16.08	16.77	18.13
	6H	16.74	17.37	17.76	18.39	19.76	15.43	16.07	16.46	17.09	18.46
	8H	16.88	17.49	17.92	18.53	19.89	15.57	16.18	16.60	17.21	18.58
	12H	16.96	17.53	17.99	18.56	19.95	15.63	16.21	16.67	17.24	18.63
4H	2H	14.47	15.16	15.49	16.18	17.54	13.60	14.29	14.62	15.30	16.66
	3H	16.34	16.91	17.37	17.96	19.33	15.33	15.91	16.36	16.95	18.32
	4H	17.08	17.61	18.12	18.64	20.04	16.00	16.53	17.04	17.56	18.96
	6H	17.60	18.05	18.65	19.11	20.50	16.47	16.93	17.52	17.99	19.37
	8H	17.80	18.23	18.85	19.28	20.68	16.66	17.09	17.71	18.14	19.54
	12H	17.91	18.29	18.97	19.36	20.76	16.75	17.13	17.81	18.20	19.60
8H	4H	17.23	17.66	18.28	18.71	20.11	16.27	16.69	17.32	17.75	19.15
	6H	17.87	18.22	18.95	19.32	20.72	16.87	17.22	17.95	18.32	19.72
	8H	18.16	18.47	19.24	19.55	20.97	17.15	17.45	18.23	18.53	19.95
	12H	18.34	18.61	19.42	19.68	21.14	17.29	17.57	18.38	18.64	20.10
12H	4H	17.21	17.59	18.28	18.66	20.07	16.27	16.65	17.34	17.72	19.13
	6H	17.90	18.21	18.98	19.29	20.71	16.94	17.24	18.01	18.32	19.74
	8H	18.22	18.49	19.30	19.56	21.02	17.24	17.51	18.32	18.58	20.04