

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: P1439498

Luminaire Tested: CB3-D-030U-030D-927-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439498
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-030U-030D-927-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

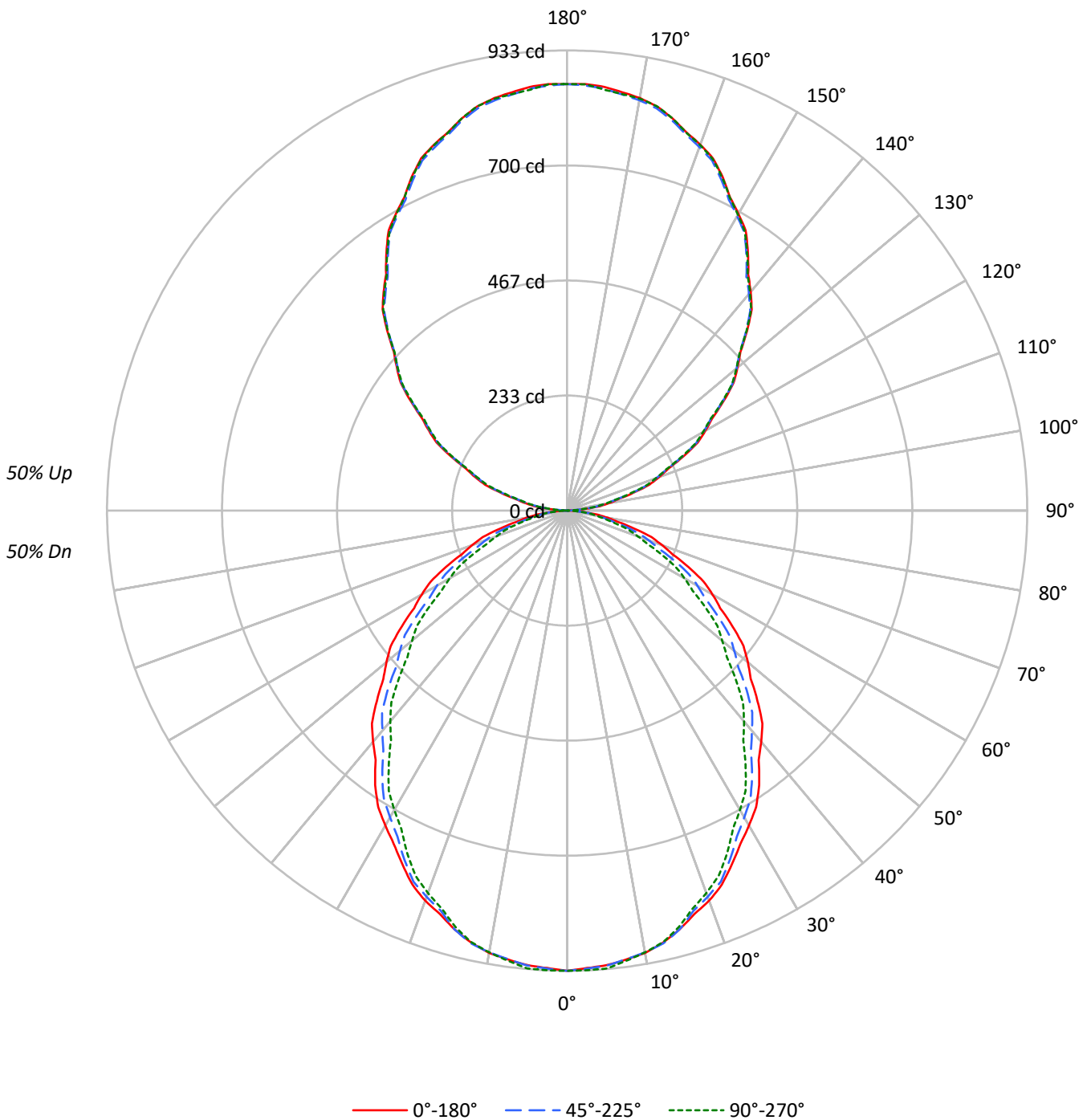
Lumens per Lamp: N/A
Luminaire Lumens: 4461.3 lumens
Efficiency: N/A
Efficacy: 128.9 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 34.6
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				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	0
RCR																		
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56	50
1	98	94	90	86	90	87	83	80	73	71	69	61	60	58	50	49	48	43
2	89	82	76	71	82	76	71	66	64	61	57	54	51	49	44	42	41	36
3	82	72	65	59	75	67	61	56	57	52	48	48	44	41	39	37	35	31
4	75	64	56	50	69	59	53	47	51	46	41	43	39	36	35	32	30	26
5	69	57	49	43	63	53	46	41	46	40	36	38	34	31	32	29	26	23
6	63	51	43	38	58	48	41	35	41	35	31	35	30	27	29	26	23	20
7	59	46	38	33	54	43	36	31	37	32	28	32	27	24	26	23	21	18
8	54	42	34	29	50	39	32	28	34	29	25	29	25	22	24	21	19	16
9	51	39	31	26	47	36	29	25	31	26	22	27	22	19	22	19	17	15
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15	13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5279	5279	5279
5°	5255	5258	5292
10°	5232	5224	5224
15°	5152	5152	5121
20°	5068	5016	4968
25°	4936	4874	4788
30°	4816	4690	4577
35°	4689	4515	4354
40°	4520	4304	4119
45°	4367	4117	3863
50°	4209	3894	3614
55°	4037	3678	3377
60°	3851	3454	3110
65°	3636	3201	2829
70°	3386	2903	2519
75°	3069	2549	2245
80°	2675	2137	1984
85°	2064	1805	1805

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4367 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.1	2.0
10°-20°	247.4	5.5
20°-30°	359.2	8.1
30°-40°	408.3	9.2
40°-50°	396.4	8.9
50°-60°	334.7	7.5
60°-70°	238.1	5.3
70°-80°	127.2	2.9
80°-90°	33.6	0.8
90°-100°	36.5	0.8
100°-110°	142.9	3.2
110°-120°	254.8	5.7
120°-130°	344.8	7.7
130°-140°	396.4	8.9
140°-150°	397.7	8.9
150°-160°	342.1	7.7
160°-170°	231.5	5.2
170°-180°	81.7	1.8
0°-30°	694.6	15.6
0°-40°	1103.0	24.7
0°-60°	1834.0	41.1
0°-90°	2232.9	50.1
90°-120°	434.2	9.7
90°-150°	1573.1	35.3
90°-180°	2228.0	49.9
0°-180°	4461.3	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	933	933	933	933	933	
5°	925	937	926	925	932	88
15°	880	887	880	874	874	248
25°	791	793	781	770	767	364
35°	679	672	654	634	630	423
45°	546	537	515	490	483	421
55°	409	398	373	349	342	366
65°	272	262	239	218	211	269
75°	140	133	117	105	103	150
85°	32	29	28	28	28	38
90°	0	0	0	0	0	3
95°	35	32	28	26	27	40
105°	139	138	133	131	130	148
115°	260	261	255	255	254	258
125°	387	392	384	383	383	346
135°	516	521	512	509	514	398
145°	639	644	634	631	636	399
155°	746	752	740	737	744	343
165°	823	831	819	815	823	232
175°	862	870	859	853	857	82
180°	864	864	864	864	864	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	933.2	933.2	933.2	933.2	933.2
2.5°	928.4	937.8	929.5	930.6	932.7
5°	925.3	936.9	925.9	924.8	931.9
7.5°	918.1	928.7	917.3	914.7	920.5
10°	910.7	922.3	909.4	906.1	909.4
12.5°	897.4	909.6	899.3	893.9	896.6
15°	879.6	887.3	879.6	874.3	874.3
17.5°	857.7	865.9	851.2	847.5	845.9
20°	841.8	848.9	833.2	827.8	825.2
22.5°	820.6	827.2	814.1	804.5	801.9
25°	790.8	793.4	780.9	770.2	767.0
27.5°	761.5	762.2	745.0	732.0	727.8
30°	737.2	737.8	718.0	704.0	700.7
32.5°	712.8	710.8	692.0	675.4	673.2
35°	678.9	672.4	653.7	634.4	630.5
37.5°	637.9	634.1	612.0	592.6	586.8
40°	612.0	605.5	582.8	563.5	557.7
42.5°	586.0	578.5	555.3	533.8	527.5
45°	545.8	537.3	514.6	490.0	482.8
47.5°	505.2	496.0	471.0	447.2	439.3
50°	478.2	468.5	442.4	419.1	410.6
52.5°	450.6	440.4	414.3	390.5	383.6
55°	409.3	398.3	372.9	348.9	342.4
57.5°	368.0	357.1	331.8	309.1	301.4
60°	340.4	330.1	305.3	282.6	274.9
62.5°	312.3	302.5	278.3	256.2	248.9
65°	271.6	261.8	239.1	217.8	211.3
67.5°	231.1	222.9	200.4	180.8	175.6
70°	204.7	196.9	175.5	157.5	152.3
72.5°	179.2	170.9	150.6	135.3	131.7
75°	140.4	132.6	116.6	104.6	102.7
77.5°	104.9	98.6	84.6	77.9	76.8
80°	82.1	76.3	65.6	60.9	60.9
82.5°	60.9	56.1	49.1	47.2	47.2
85°	31.8	29.2	27.8	27.8	27.8
87.5°	9.5	9.5	9.0	8.5	8.5
90°	0.0	0.0	0.0	0.0	0.0
92.5°	9.5	8.5	5.3	4.2	4.2
95°	35.1	31.9	28.5	26.5	27.2
97.5°	64.8	61.7	57.5	55.6	56.1
100°	85.5	82.9	78.2	76.2	76.2
102.5°	105.7	104.1	99.4	97.5	98.0
105°	138.6	137.9	133.3	131.2	129.9
107.5°	174.9	173.7	168.5	168.4	167.2
110°	198.2	197.6	192.9	192.3	191.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	222.1	223.0	217.9	217.2	216.5
115°	259.9	261.2	255.2	254.6	253.9
117.5°	298.6	300.4	294.1	293.4	292.2
120°	323.5	327.4	319.6	318.9	318.2
122.5°	349.0	352.4	345.0	343.8	343.7
125°	387.2	391.7	383.9	382.6	383.2
127.5°	425.4	430.0	422.7	420.1	421.5
130°	450.8	456.0	448.2	445.6	447.5
132.5°	476.8	482.0	474.2	471.6	474.6
135°	515.8	521.0	512.5	508.6	513.8
137.5°	553.9	558.4	549.1	546.4	551.9
140°	578.8	583.3	573.5	570.3	576.8
142.5°	603.2	608.2	597.3	594.2	601.2
145°	639.1	644.3	633.8	630.6	636.5
147.5°	673.6	678.9	668.3	664.6	670.5
150°	694.8	700.6	689.5	686.3	692.8
152.5°	715.5	721.8	710.2	706.5	714.6
155°	745.9	752.3	739.9	736.7	744.5
157.5°	773.2	779.1	767.9	764.7	771.4
160°	789.6	796.1	784.3	781.2	788.9
162.5°	803.9	810.4	799.7	795.5	803.3
165°	823.4	830.6	819.4	815.0	823.4
167.5°	839.7	847.4	835.6	831.6	840.0
170°	849.3	856.4	844.6	839.5	848.0
172.5°	855.6	862.8	851.0	845.8	851.7
175°	862.5	870.3	858.6	853.3	856.6
177.5°	865.6	871.8	862.4	857.8	865.1
180°	864.5	864.5	864.5	864.5	864.5

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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	12.93	13.78	13.89	14.75	16.03	11.85	12.70	12.81	13.68	14.95
	3H	14.60	15.36	15.57	16.34	17.64	13.27	14.03	14.24	15.01	16.30
	4H	15.23	15.95	16.21	16.93	18.24	13.78	14.50	14.77	15.49	16.79
	6H	15.61	16.28	16.61	17.27	18.58	14.10	14.76	15.09	15.75	17.07
	8H	15.75	16.38	16.75	17.39	18.70	14.22	14.85	15.22	15.86	17.17
	12H	15.82	16.42	16.82	17.42	18.75	14.30	14.90	15.30	15.90	17.24
4H	2H	13.34	14.06	14.33	15.05	16.35	12.48	13.20	13.47	14.19	15.49
	3H	15.23	15.83	16.23	16.84	18.16	14.10	14.70	15.10	15.71	17.03
	4H	15.98	16.52	16.98	17.53	18.87	14.70	15.25	15.71	16.26	17.60
	6H	16.48	16.95	17.50	17.98	19.32	15.12	15.59	16.13	16.62	17.96
	8H	16.67	17.11	17.69	18.13	19.48	15.29	15.73	16.31	16.75	18.10
	12H	16.76	17.16	17.80	18.20	19.56	15.39	15.79	16.43	16.83	18.18
8H	4H	16.10	16.54	17.12	17.57	18.92	14.96	15.41	15.98	16.43	17.78
	6H	16.72	17.09	17.77	18.15	19.50	15.49	15.86	16.54	16.92	18.27
	8H	17.00	17.32	18.05	18.37	19.74	15.75	16.07	16.80	17.12	18.49
	12H	17.16	17.44	18.22	18.49	19.90	15.92	16.20	16.98	17.25	18.66
12H	4H	16.08	16.47	17.11	17.51	18.87	14.97	15.36	16.00	16.40	17.76
	6H	16.74	17.06	17.79	18.11	19.48	15.55	15.87	16.60	16.92	18.29
	8H	17.04	17.32	18.09	18.37	19.78	15.83	16.11	16.89	17.16	18.57