

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: P1439497

Luminaire Tested: CB3-D-030U-030D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439497
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-4
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

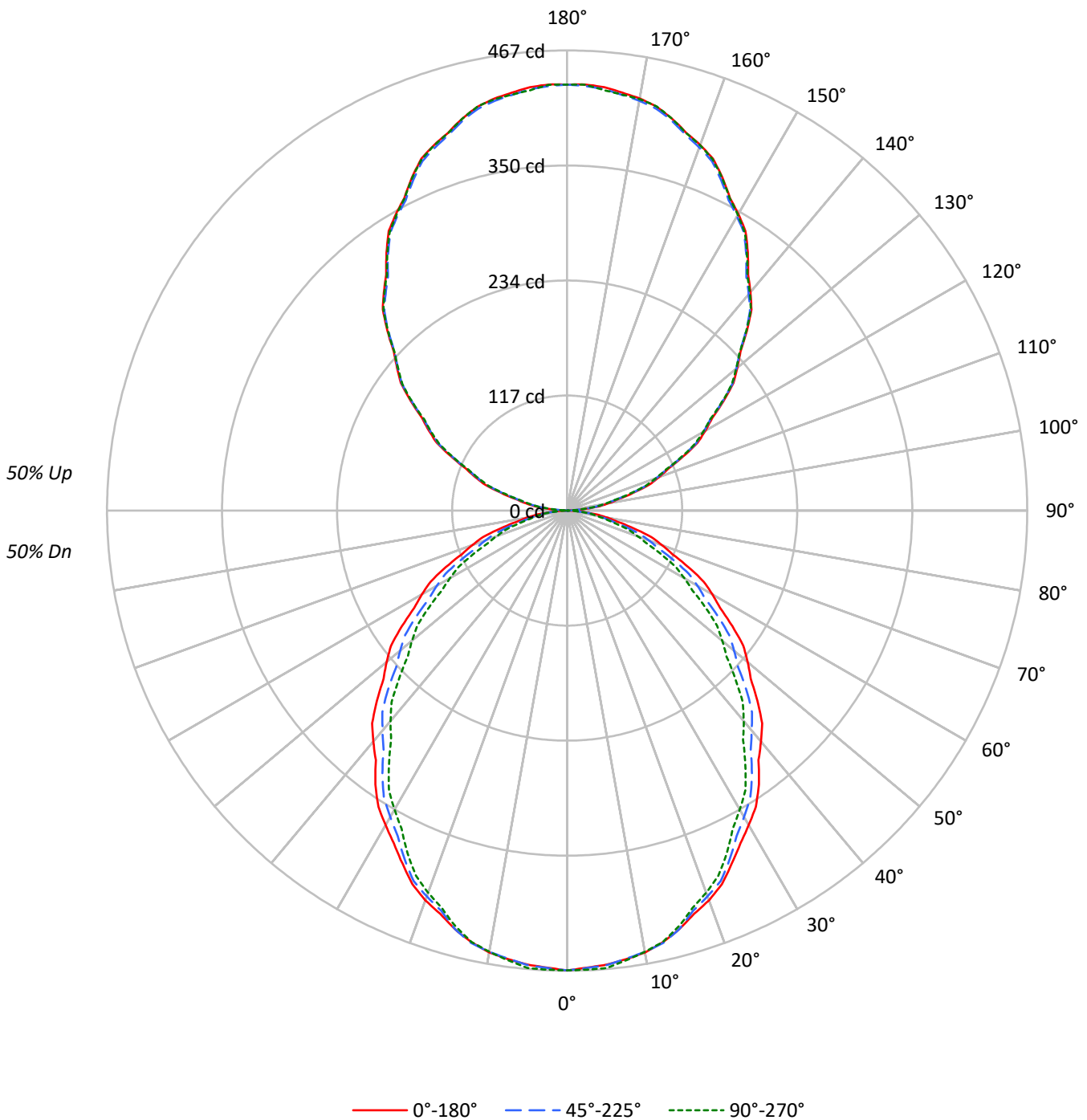
Lumens per Lamp: N/A
Luminaire Lumens: 2230.7 lumens
Efficiency: N/A
Efficacy: 133.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

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	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°	5254	5259	5292
10°	5231	5224	5224
15°	5152	5152	5120
20°	5068	5016	4968
25°	4936	4874	4788
30°	4816	4690	4578
35°	4688	4515	4355
40°	4520	4304	4118
45°	4367	4117	3863
50°	4209	3894	3614
55°	4038	3677	3377
60°	3851	3455	3109
65°	3636	3199	2827
70°	3384	2905	2521
75°	3069	2549	2243
80°	2678	2137	1987
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°	44.0	2.0
10°-20°	123.7	5.5
20°-30°	179.6	8.1
30°-40°	204.2	9.2
40°-50°	198.2	8.9
50°-60°	167.3	7.5
60°-70°	119.1	5.3
70°-80°	63.6	2.9
80°-90°	16.8	0.8
90°-100°	18.3	0.8
100°-110°	71.5	3.2
110°-120°	127.4	5.7
120°-130°	172.4	7.7
130°-140°	198.2	8.9
140°-150°	198.9	8.9
150°-160°	171.0	7.7
160°-170°	115.8	5.2
170°-180°	40.8	1.8
0°-30°	347.3	15.6
0°-40°	551.5	24.7
0°-60°	917.0	41.1
0°-90°	1116.5	50.1
90°-120°	217.1	9.7
90°-150°	786.6	35.3
90°-180°	1114.0	49.9
0°-180°	2230.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	467	467	467	467	467	
5°	463	468	463	462	466	44
15°	440	444	440	437	437	124
25°	395	397	390	385	384	182
35°	339	336	327	317	315	212
45°	273	269	257	245	241	210
55°	205	199	186	174	171	183
65°	136	131	120	109	106	134
75°	70	66	58	52	51	75
85°	16	15	14	14	14	19
90°	0	0	0	0	0	1
95°	18	16	14	13	14	20
105°	69	69	67	66	65	74
115°	130	131	128	127	127	129
125°	194	196	192	191	192	173
135°	258	260	256	254	257	199
145°	320	322	317	315	318	200
155°	373	376	370	368	372	172
165°	412	415	410	408	412	116
175°	431	435	429	427	428	41
180°	432	432	432	432	432	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	466.6	466.6	466.6	466.6	466.6
2.5°	464.2	468.9	464.7	465.3	466.3
5°	462.6	468.5	463.0	462.4	465.9
7.5°	459.1	464.4	458.7	457.3	460.2
10°	455.3	461.2	454.7	453.1	454.7
12.5°	448.7	454.8	449.6	447.0	448.3
15°	439.8	443.7	439.8	437.1	437.1
17.5°	428.9	432.9	425.6	423.7	423.0
20°	420.9	424.5	416.6	413.9	412.6
22.5°	410.3	413.6	407.1	402.3	401.0
25°	395.4	396.7	390.4	385.1	383.5
27.5°	380.8	381.1	372.5	366.0	363.9
30°	368.6	368.9	359.0	352.0	350.4
32.5°	356.4	355.4	346.0	337.7	336.6
35°	339.4	336.2	326.9	317.2	315.3
37.5°	319.0	317.0	306.0	296.3	293.4
40°	306.0	302.8	291.4	281.8	278.8
42.5°	293.0	289.3	277.6	266.9	263.7
45°	272.9	268.7	257.3	245.0	241.4
47.5°	252.6	248.0	235.5	223.6	219.6
50°	239.1	234.2	221.2	209.5	205.3
52.5°	225.3	220.2	207.2	195.2	191.8
55°	204.7	199.2	186.4	174.4	171.2
57.5°	184.0	178.6	165.9	154.6	150.7
60°	170.2	165.0	152.7	141.3	137.4
62.5°	156.2	151.3	139.2	128.1	124.4
65°	135.8	130.9	119.5	108.9	105.6
67.5°	115.6	111.4	100.2	90.4	87.8
70°	102.3	98.4	87.8	78.8	76.2
72.5°	89.6	85.5	75.3	67.6	65.8
75°	70.2	66.3	58.3	52.3	51.3
77.5°	52.5	49.3	42.3	38.9	38.4
80°	41.1	38.1	32.8	30.5	30.5
82.5°	30.5	28.1	24.6	23.6	23.6
85°	15.9	14.6	13.9	13.9	13.9
87.5°	4.8	4.8	4.5	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	4.8	4.3	2.7	2.1	2.1
95°	17.6	15.9	14.3	13.3	13.6
97.5°	32.4	30.9	28.8	27.8	28.0
100°	42.8	41.5	39.1	38.1	38.1
102.5°	52.8	52.1	49.7	48.7	49.0
105°	69.3	69.0	66.6	65.6	65.0
107.5°	87.4	86.9	84.3	84.2	83.6
110°	99.1	98.8	96.5	96.1	95.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	111.0	111.5	108.9	108.6	108.3
115°	129.9	130.6	127.6	127.3	127.0
117.5°	149.3	150.2	147.0	146.7	146.1
120°	161.8	163.7	159.8	159.4	159.1
122.5°	174.5	176.2	172.5	171.9	171.8
125°	193.6	195.9	191.9	191.3	191.6
127.5°	212.7	215.0	211.4	210.0	210.8
130°	225.4	228.0	224.1	222.8	223.8
132.5°	238.4	241.0	237.1	235.8	237.3
135°	257.9	260.5	256.2	254.3	256.9
137.5°	276.9	279.2	274.5	273.2	275.9
140°	289.4	291.7	286.7	285.2	288.4
142.5°	301.6	304.1	298.7	297.1	300.6
145°	319.6	322.2	316.9	315.3	318.2
147.5°	336.8	339.5	334.1	332.3	335.3
150°	347.4	350.3	344.8	343.2	346.4
152.5°	357.7	360.9	355.1	353.3	357.3
155°	372.9	376.2	369.9	368.4	372.3
157.5°	386.6	389.6	383.9	382.4	385.7
160°	394.8	398.0	392.2	390.6	394.5
162.5°	402.0	405.2	399.8	397.7	401.6
165°	411.7	415.3	409.7	407.5	411.7
167.5°	419.9	423.7	417.8	415.8	420.0
170°	424.6	428.2	422.3	419.8	424.0
172.5°	427.8	431.4	425.5	422.9	425.8
175°	431.3	435.2	429.3	426.7	428.3
177.5°	432.8	435.9	431.2	428.9	432.5
180°	432.3	432.3	432.3	432.3	432.3



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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	14.76	16.03	11.85	12.71	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	15.10	15.76	17.07
	8H	15.75	16.38	16.75	17.39	18.70	14.22	14.86	15.22	15.86	17.17
	12H	15.82	16.42	16.82	17.42	18.76	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	19.49	15.29	15.73	16.31	16.75	18.10
	12H	16.77	17.16	17.80	18.20	19.56	15.39	15.79	16.43	16.83	18.19
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