

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: P1439529

Luminaire Tested: CB3-D-055U-030D-927-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439529
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-055U-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 550 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

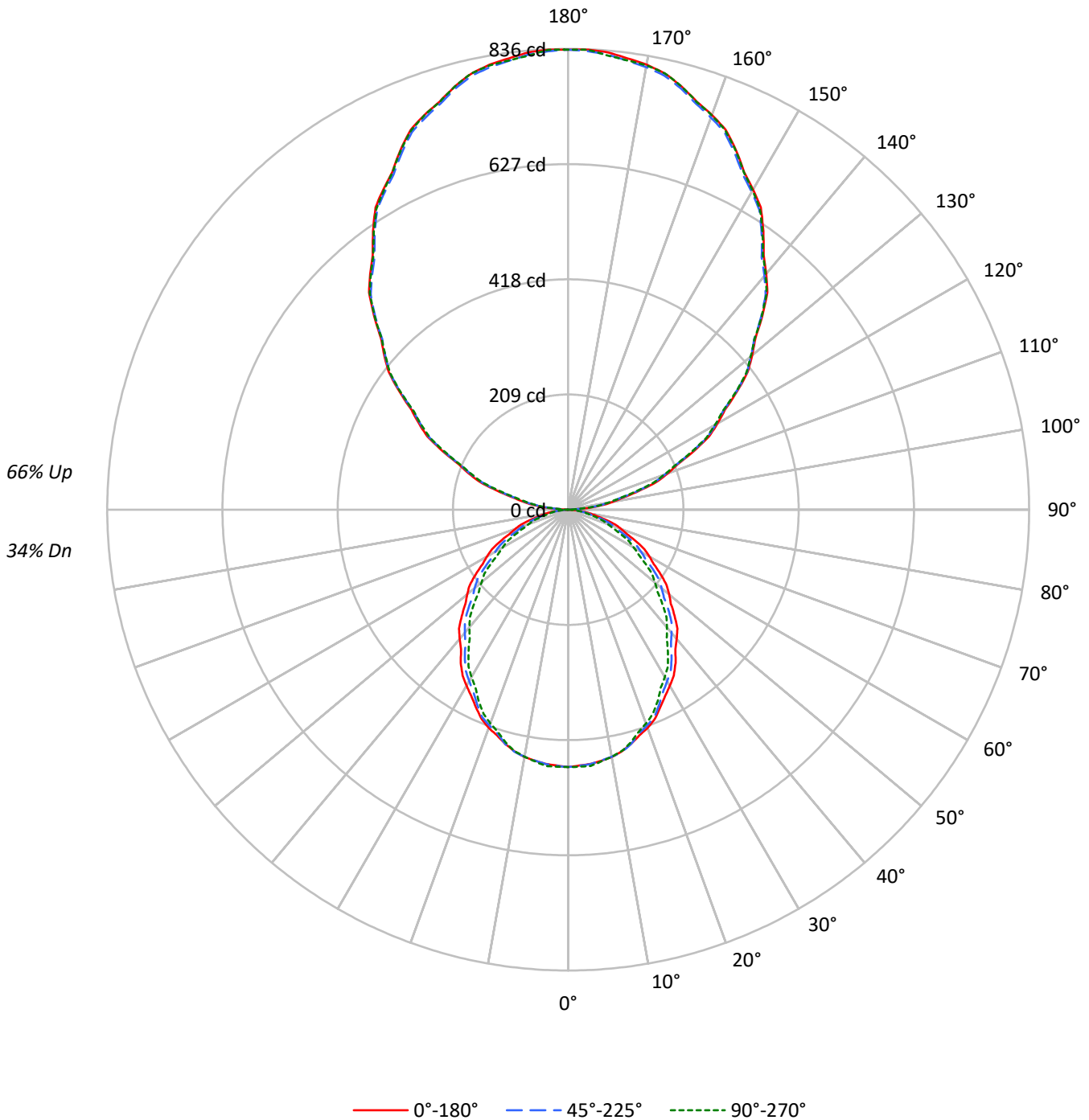
Lumens per Lamp: N/A
Luminaire Lumens: 3267.7 lumens
Efficiency: N/A
Efficacy: 133.4 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 24.5
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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CATALOG NUMBER: CB3-D-055U-030D-927-1D-UNV-STD-W-4

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	103	103	103	103	93	93	93	93	75	75	75	57	57	57	42	42	42	34
1	94	90	86	83	85	82	78	76	65	63	61	51	49	48	37	36	35	29
2	86	79	73	68	77	71	66	62	57	54	51	45	42	40	33	31	30	25
3	78	69	62	57	71	63	57	52	51	46	43	39	37	34	29	27	26	21
4	72	61	54	48	65	56	49	44	45	40	37	35	32	29	26	24	22	18
5	66	55	47	41	59	50	43	38	40	35	32	32	28	25	23	21	19	16
6	61	49	41	35	55	45	38	33	36	31	27	29	25	22	21	19	17	14
7	56	44	36	31	50	40	33	29	33	28	24	26	22	20	19	17	15	12
8	52	40	32	27	47	37	30	25	30	25	21	24	20	17	18	15	14	11
9	48	36	29	24	44	33	27	23	27	22	19	22	18	16	16	14	12	10
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	15	13	11	9

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	5283	5283	5283
5°	5258	5262	5300
10°	5236	5228	5228
15°	5155	5155	5124
20°	5072	5020	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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CATALOG NUMBER: CB3-D-055U-030D-927-1D-UNV-STD-W-4

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.1	1.3
10°-20°	123.8	3.8
20°-30°	179.6	5.5
30°-40°	204.2	6.2
40°-50°	198.2	6.1
50°-60°	167.3	5.1
60°-70°	119.1	3.6
70°-80°	63.6	1.9
80°-90°	16.8	0.5
90°-100°	35.3	1.1
100°-110°	138.0	4.2
110°-120°	245.9	7.5
120°-130°	332.8	10.2
130°-140°	382.6	11.7
140°-150°	383.9	11.7
150°-160°	330.2	10.1
160°-170°	223.5	6.8
170°-180°	78.8	2.4
0°-30°	347.5	10.6
0°-40°	551.6	16.9
0°-60°	917.2	28.1
0°-90°	1116.6	34.2
90°-120°	419.2	12.8
90°-150°	1518.5	46.5
90°-180°	2151.0	65.8
0°-180°	3267.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	467	467	467	467	467	
5°	463	469	463	463	467	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	2
95°	34	31	28	26	26	39
105°	134	133	129	127	125	143
115°	251	252	246	246	245	249
125°	374	378	370	369	370	334
135°	498	503	495	491	496	384
145°	617	622	612	609	614	385
155°	720	726	714	711	719	331
165°	795	802	791	787	795	224
175°	833	840	829	824	827	79
180°	834	834	834	834	834	

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CATALOG NUMBER: CB3-D-055U-030D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	466.9	466.9	466.9	466.9	466.9
2.5°	464.5	469.2	465.1	465.6	466.6
5°	462.9	468.8	463.3	462.7	466.6
7.5°	459.4	464.7	459.0	457.6	460.6
10°	455.7	461.5	455.0	453.4	455.0
12.5°	449.0	455.1	450.0	447.3	448.6
15°	440.1	444.0	440.1	437.4	437.4
17.5°	429.2	433.2	425.9	424.0	423.2
20°	421.2	424.8	416.9	414.2	412.6
22.5°	410.6	413.9	407.4	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°	9.2	8.2	5.1	4.1	4.1
95°	33.9	30.8	27.5	25.6	26.2
97.5°	62.6	59.6	55.5	53.6	54.1
100°	82.6	80.1	75.5	73.6	73.6
102.5°	102.0	100.5	96.0	94.1	94.6
105°	133.7	133.1	128.6	126.7	125.4
107.5°	168.8	167.7	162.7	162.5	161.4
110°	191.3	190.7	186.2	185.6	184.9

TEST NUMBER: P1439529

CATALOG NUMBER: CB3-D-055U-030D-927-1D-UNV-STD-W-4

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	214.4	215.3	210.3	209.6	209.0
115°	250.9	252.1	246.4	245.7	245.1
117.5°	288.2	290.0	283.9	283.2	282.1
120°	312.3	316.0	308.5	307.8	307.2
122.5°	336.9	340.1	333.0	331.9	331.7
125°	373.7	378.1	370.5	369.3	369.9
127.5°	410.6	415.1	408.0	405.5	406.9
130°	435.2	440.2	432.6	430.1	432.0
132.5°	460.3	465.3	457.7	455.2	458.1
135°	497.9	502.9	494.7	491.0	496.0
137.5°	534.6	539.0	530.0	527.4	532.7
140°	558.7	563.1	553.6	550.5	556.8
142.5°	582.2	587.1	576.6	573.5	580.3
145°	616.9	621.9	611.8	608.7	614.4
147.5°	650.2	655.3	645.1	641.5	647.2
150°	670.7	676.3	665.5	662.5	668.7
152.5°	690.6	696.8	685.5	682.0	689.7
155°	719.9	726.2	714.2	711.2	718.7
157.5°	746.3	752.1	741.2	738.1	744.6
160°	762.2	768.4	757.1	754.0	761.5
162.5°	776.0	782.3	771.9	767.9	775.4
165°	794.8	801.7	791.0	786.7	794.8
167.5°	810.6	817.9	806.6	802.7	810.8
170°	819.8	826.7	815.3	810.4	818.5
172.5°	825.9	832.8	821.4	816.4	822.1
175°	832.6	840.1	828.7	823.7	826.8
177.5°	835.5	841.5	832.4	828.0	835.0
180°	834.5	834.5	834.5	834.5	834.5



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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	11.25	11.98	12.33	13.06	14.54	10.17	10.90	11.26	11.98	13.46
	3H	12.91	13.56	14.00	14.65	16.15	11.58	12.23	12.67	13.32	14.82
	4H	13.53	14.15	14.63	15.24	16.75	12.09	12.70	13.19	13.80	15.30
	6H	13.91	14.48	15.02	15.57	17.09	12.40	12.97	13.51	14.06	15.58
	8H	14.04	14.58	15.16	15.69	17.20	12.52	13.06	13.63	14.17	15.68
	12H	14.11	14.62	15.23	15.72	17.26	12.59	13.10	13.71	14.21	15.74
4H	2H	11.64	12.26	12.75	13.35	14.86	10.78	11.40	11.89	12.49	14.00
	3H	13.52	14.03	14.64	15.15	16.67	12.39	12.90	13.51	14.02	15.54
	4H	14.26	14.73	15.38	15.84	17.38	12.99	13.46	14.11	14.57	16.11
	6H	14.76	15.16	15.88	16.29	17.82	13.40	13.80	14.52	14.93	16.46
	8H	14.95	15.32	16.07	16.45	17.99	13.56	13.94	14.69	15.06	16.61
	12H	15.04	15.38	16.18	16.51	18.07	13.66	14.00	14.81	15.14	16.69
8H	4H	14.38	14.76	15.51	15.88	17.43	13.24	13.62	14.37	14.74	16.29
	6H	14.99	15.31	16.14	16.47	18.01	13.76	14.08	14.91	15.24	16.79
	8H	15.27	15.54	16.42	16.69	18.25	14.02	14.29	15.17	15.43	17.00
	12H	15.43	15.67	16.59	16.81	18.41	14.19	14.43	15.35	15.57	17.17
12H	4H	14.35	14.69	15.49	15.83	17.38	13.24	13.58	14.38	14.72	16.27
	6H	15.01	15.28	16.16	16.43	17.99	13.82	14.09	14.98	15.24	16.80
	8H	15.30	15.54	16.46	16.69	18.28	14.10	14.34	15.26	15.48	17.08