

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: P1439505

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

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439505
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-055D-927-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 2700K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

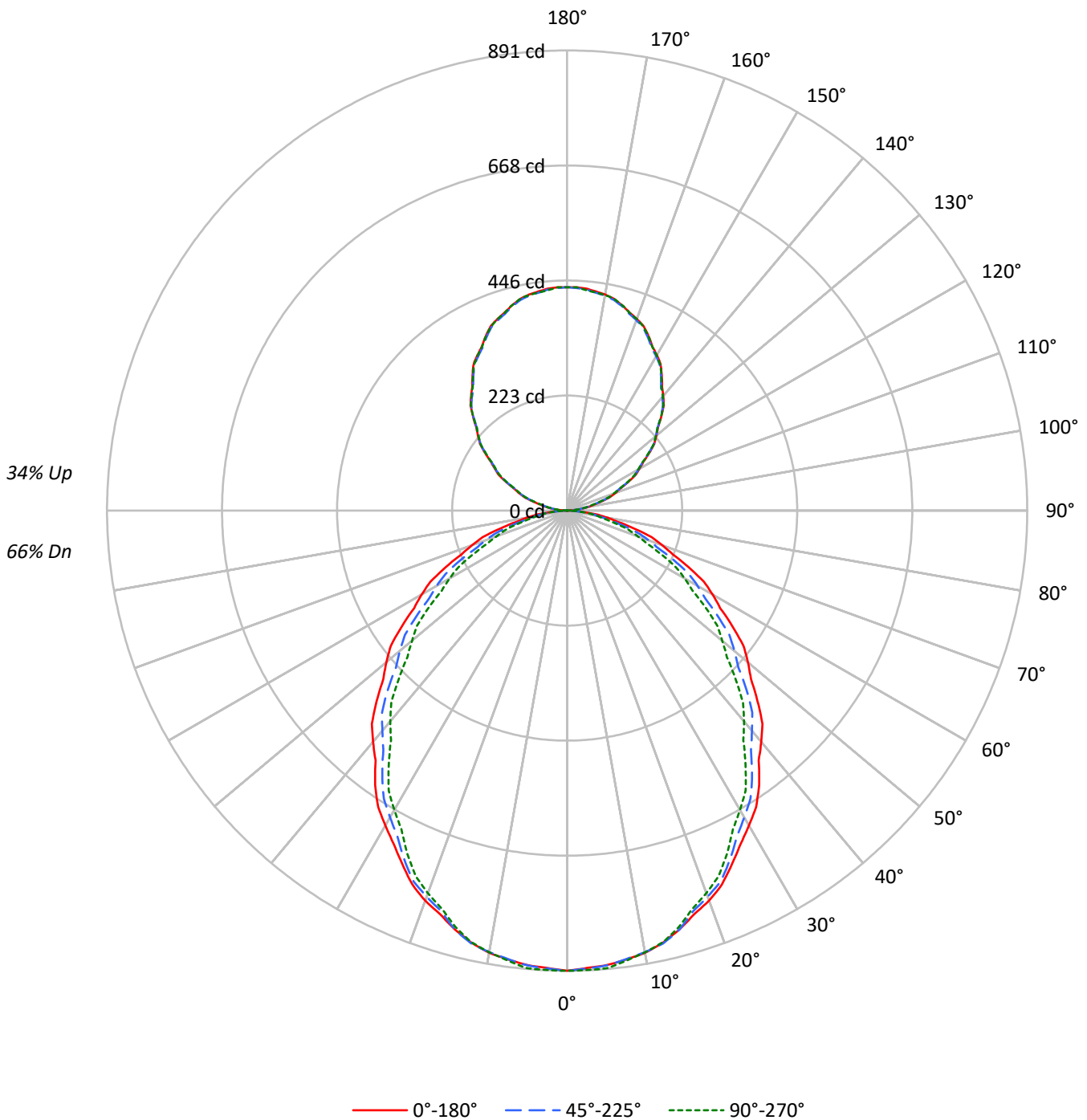
Lumens per Lamp: N/A
Luminaire Lumens: 3247.0 lumens
Efficiency: N/A
Efficacy: 131.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 24.7
Input Voltage (V): 120
Input Current (Ain): 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

TEST NUMBER: P1439505

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

Luminous Intensity Polar Plot





TEST NUMBER: P1439505

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

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	111	111	111	111	104	104	104	104	92	92	92	81	81	81	71	71	71	66
1	102	97	93	90	95	92	88	85	81	79	76	72	70	68	63	61	60	56
2	93	85	79	74	87	80	75	70	71	67	64	63	60	57	56	53	51	47
3	85	75	68	62	79	71	64	59	63	58	54	56	52	49	49	46	44	40
4	78	67	59	53	73	63	56	50	56	51	46	50	46	42	44	41	38	35
5	71	60	51	45	67	57	49	44	51	45	40	45	40	36	40	36	33	30
6	66	54	45	40	62	51	43	38	46	40	35	41	36	32	36	32	29	27
7	61	49	41	35	57	46	39	34	42	36	31	37	32	29	33	29	26	24
8	57	44	36	31	53	42	35	30	38	32	28	34	29	26	31	27	24	21
9	53	41	33	28	50	39	32	27	35	29	25	32	27	23	28	24	21	19
10	50	37	30	25	47	36	29	24	32	27	23	29	24	21	26	22	19	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10082	10082	10082
5°	10035	10041	10103
10°	9991	9976	9976
15°	9837	9837	9779
20°	9678	9580	9492
25°	9431	9312	9146
30°	9199	8960	8744
35°	8957	8625	8319
40°	8635	8223	7868
45°	8341	7866	7380
50°	8041	7439	6904
55°	7713	7027	6452
60°	7359	6599	5940
65°	6945	6115	5403
70°	6467	5544	4813
75°	5862	4866	4289
80°	5108	4079	3792
85°	3947	3453	3453

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8341 cd/sqm



TEST NUMBER: P1439505

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

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.1	2.6
10°-20°	236.2	7.3
20°-30°	343.1	10.6
30°-40°	390.0	12.0
40°-50°	378.6	11.7
50°-60°	319.7	9.8
60°-70°	227.4	7.0
70°-80°	121.5	3.7
80°-90°	32.1	1.0
90°-100°	18.3	0.6
100°-110°	71.5	2.2
110°-120°	127.4	3.9
120°-130°	172.4	5.3
130°-140°	198.2	6.1
140°-150°	198.9	6.1
150°-160°	171.0	5.3
160°-170°	115.8	3.6
170°-180°	40.8	1.3
0°-30°	663.4	20.4
0°-40°	1053.4	32.4
0°-60°	1751.7	53.9
0°-90°	2132.8	65.7
90°-120°	217.1	6.7
90°-150°	786.6	24.2
90°-180°	1114.0	34.3
0°-180°	3247.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	891	891	891	891	891	
5°	884	895	884	883	890	84
15°	840	847	840	835	835	237
25°	755	758	746	736	733	348
35°	648	642	624	606	602	404
45°	521	513	492	468	461	402
55°	391	380	356	333	327	350
65°	259	250	228	208	202	257
75°	134	127	111	100	98	143
85°	30	28	27	27	27	36
90°	0	0	0	0	0	2
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	



TEST NUMBER: P1439505

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

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	891.1	891.1	891.1	891.1	891.1
2.5°	886.5	895.4	887.5	888.6	890.6
5°	883.5	894.6	884.1	883.0	889.5
7.5°	876.7	886.8	875.9	873.4	878.9
10°	869.6	880.7	868.3	865.2	868.3
12.5°	856.9	868.5	858.7	853.6	856.2
15°	839.8	847.3	839.8	834.8	834.8
17.5°	819.0	826.8	812.8	809.2	807.8
20°	803.8	810.6	795.6	790.4	788.3
22.5°	783.5	789.8	777.3	768.4	766.0
25°	755.4	757.8	745.9	735.7	732.6
27.5°	727.4	728.0	711.6	699.2	695.1
30°	704.1	704.7	685.8	672.4	669.3
32.5°	680.8	679.0	661.0	645.1	643.0
35°	648.5	642.3	624.4	606.0	602.3
37.5°	609.4	605.6	584.6	566.1	560.5
40°	584.6	578.4	556.7	538.2	532.7
42.5°	559.8	552.6	530.4	509.9	503.8
45°	521.3	513.3	491.6	468.0	461.2
47.5°	482.6	473.8	449.9	427.1	419.6
50°	456.8	447.5	422.6	400.3	392.2
52.5°	430.4	420.7	395.8	373.0	366.4
55°	391.0	380.5	356.2	333.3	327.1
57.5°	351.5	341.1	317.0	295.3	287.8
60°	325.2	315.3	291.6	270.0	262.5
62.5°	298.4	288.9	265.8	244.7	237.7
65°	259.4	250.1	228.4	208.0	201.8
67.5°	220.8	212.9	191.4	172.7	167.8
70°	195.5	188.1	167.6	150.5	145.5
72.5°	171.2	163.3	143.9	129.2	125.8
75°	134.1	126.7	111.3	99.9	98.1
77.5°	100.2	94.1	80.9	74.4	73.4
80°	78.4	72.9	62.6	58.2	58.2
82.5°	58.2	53.6	46.9	45.0	45.0
85°	30.4	27.9	26.6	26.6	26.6
87.5°	9.1	9.1	8.6	8.1	8.1
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



TEST NUMBER: P1439505

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

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



TEST NUMBER: P1439505
 CATALOG NUMBER: CB3-D-030U-055D-927-1D-UNV-STD-W-4

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	16.51	17.52	17.33	18.35	19.38	15.44	16.44	16.25	17.28	18.31
	3H	18.19	19.10	19.02	19.94	21.00	16.86	17.76	17.69	18.61	19.66
	4H	18.83	19.68	19.67	20.53	21.60	17.39	18.24	18.23	19.09	20.16
	6H	19.22	20.01	20.08	20.87	21.95	17.71	18.50	18.57	19.35	20.44
	8H	19.36	20.11	20.23	20.99	22.07	17.84	18.59	18.70	19.46	20.54
	12H	19.44	20.15	20.30	21.02	22.13	17.92	18.63	18.79	19.50	20.61
4H	2H	16.94	17.79	17.79	18.64	19.71	16.08	16.93	16.93	17.78	18.85
	3H	18.84	19.55	19.70	20.44	21.52	17.71	18.42	18.57	19.31	20.39
	4H	19.60	20.24	20.47	21.12	22.24	18.33	18.97	19.20	19.85	20.96
	6H	20.11	20.67	20.99	21.57	22.68	18.75	19.31	19.63	20.21	21.32
	8H	20.30	20.82	21.19	21.72	22.85	18.92	19.44	19.81	20.34	21.47
	12H	20.41	20.88	21.32	21.79	22.93	19.03	19.50	19.94	20.42	21.55
8H	4H	19.74	20.26	20.63	21.16	22.29	18.60	19.12	19.49	20.02	21.15
	6H	20.36	20.79	21.28	21.74	22.86	19.13	19.57	20.05	20.51	21.63
	8H	20.64	21.02	21.57	21.96	23.10	19.39	19.77	20.31	20.70	21.85
	12H	20.81	21.15	21.74	22.07	23.27	19.57	19.91	20.50	20.83	22.03
12H	4H	19.72	20.19	20.63	21.11	22.24	18.61	19.08	19.52	20.00	21.13
	6H	20.38	20.76	21.31	21.70	22.84	19.19	19.57	20.12	20.51	21.65
	8H	20.69	21.02	21.62	21.95	23.14	19.48	19.82	20.41	20.74	21.94