

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: P1439543

Luminaire Tested: CB3-D-055U-055D-940-1D-UNV-STD-W-4

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439543
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-055D-940-1D-UNV-STD-W-4
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

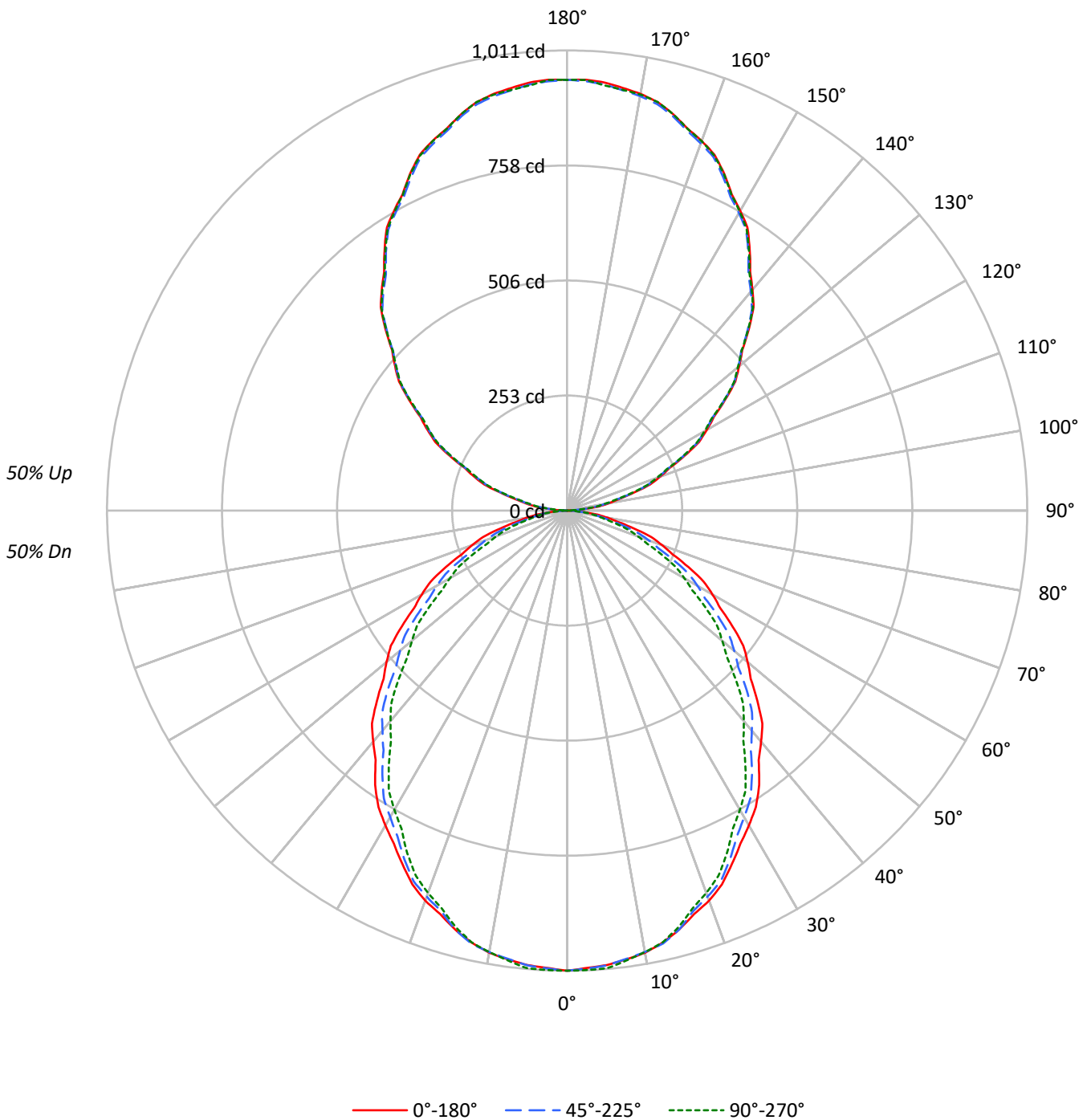
Lumens per Lamp: N/A
Luminaire Lumens: 4858.0 lumens
Efficiency: N/A
Efficacy: 149.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 4' x H: 0')
CIE Type: General Diffuse

Input Watts (W): 32.5
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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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	59	58	50	49	48	42				
2	89	82	76	71	82	76	71	66	64	61	57	54	51	49	44	42	40	36				
3	82	72	65	59	75	67	61	56	57	52	48	48	44	41	39	37	35	30				
4	75	64	56	50	69	59	53	47	51	45	41	43	39	36	35	32	30	26				
5	69	57	49	43	63	53	46	41	45	40	36	38	34	31	32	29	26	23				
6	63	51	43	37	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	28	25	29	25	21	24	21	19	16				
9	51	38	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	23	20	25	20	18	21	18	15	13				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	11438	11438	11438
5°	11383	11392	11465
10°	11334	11317	11317
15°	11160	11160	11093
20°	10980	10867	10763
25°	10694	10559	10372
30°	10432	10161	9916
35°	10158	9781	9434
40°	9791	9324	8923
45°	9460	8919	8369
50°	9118	8435	7830
55°	8747	7967	7317
60°	8346	7483	6737
65°	7874	6934	6128
70°	7334	6289	5458
75°	6649	5521	4861
80°	5799	4626	4300
85°	4466	3908	3908

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 9460 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.4	2.0
10°-20°	268.0	5.5
20°-30°	389.1	8.0
30°-40°	442.3	9.1
40°-50°	429.4	8.8
50°-60°	362.5	7.5
60°-70°	257.9	5.3
70°-80°	137.8	2.8
80°-90°	36.4	0.7
90°-100°	40.0	0.8
100°-110°	156.5	3.2
110°-120°	278.9	5.7
120°-130°	377.4	7.8
130°-140°	433.9	8.9
140°-150°	435.4	9.0
150°-160°	374.4	7.7
160°-170°	253.5	5.2
170°-180°	89.4	1.8
0°-30°	752.4	15.5
0°-40°	1194.7	24.6
0°-60°	1986.6	40.9
0°-90°	2418.7	49.8
90°-120°	475.4	9.8
90°-150°	1722.0	35.4
90°-180°	2439.0	50.2
0°-180°	4858.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1011	1011	1011	1011	1011	
5°	1002	1015	1003	1002	1009	95
15°	953	961	953	947	947	268
25°	857	859	846	834	831	395
35°	735	728	708	687	683	458
45°	591	582	557	531	523	456
55°	443	431	404	378	371	396
65°	294	284	259	236	229	291
75°	152	144	126	113	111	162
85°	34	32	30	30	30	41
90°	0	0	0	0	0	3
95°	38	35	31	29	30	44
105°	152	151	146	144	142	162
115°	284	286	279	279	278	282
125°	424	429	420	419	420	379
135°	565	570	561	557	562	435
145°	700	705	694	690	697	437
155°	816	824	810	806	815	376
165°	901	909	897	892	901	254
175°	944	953	940	934	938	90
180°	946	946	946	946	946	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1010.9	1010.9	1010.9	1010.9	1010.9
2.5°	1005.7	1015.8	1006.8	1008.0	1010.3
5°	1002.2	1014.9	1003.0	1001.7	1009.4
7.5°	994.5	1006.0	993.6	990.8	997.1
10°	986.5	999.1	985.0	981.5	985.0
12.5°	972.1	985.3	974.1	968.3	971.3
15°	952.7	961.2	952.7	947.0	947.0
17.5°	929.1	937.9	922.0	918.0	916.3
20°	911.9	919.6	902.5	896.7	893.9
22.5°	888.9	896.1	881.9	871.5	868.7
25°	856.6	859.4	845.8	834.3	830.8
27.5°	824.9	825.6	807.0	792.9	788.3
30°	798.5	799.2	777.7	762.5	759.0
32.5°	772.1	770.0	749.6	731.6	729.2
35°	735.4	728.3	708.1	687.2	683.0
37.5°	691.0	686.8	662.9	642.0	635.6
40°	662.9	655.9	631.3	610.4	604.1
42.5°	634.8	626.6	601.5	578.2	571.4
45°	591.2	582.0	557.4	530.7	523.0
47.5°	547.3	537.3	510.2	484.4	475.8
50°	518.0	507.5	479.2	453.9	444.8
52.5°	488.1	477.1	448.8	423.0	415.5
55°	443.4	431.4	403.9	377.9	370.9
57.5°	398.6	386.8	359.4	334.8	326.4
60°	368.8	357.5	330.7	306.1	297.7
62.5°	338.3	327.7	301.5	277.5	269.6
65°	294.1	283.6	259.0	235.9	228.9
67.5°	250.4	241.4	217.1	195.9	190.3
70°	221.7	213.3	190.1	170.6	165.0
72.5°	194.1	185.2	163.1	146.6	142.6
75°	152.1	143.7	126.3	113.3	111.2
77.5°	113.6	106.8	91.7	84.3	83.2
80°	89.0	82.6	71.0	66.0	66.0
82.5°	66.0	60.8	53.2	51.1	51.1
85°	34.4	31.6	30.1	30.1	30.1
87.5°	10.3	10.3	9.8	9.2	9.2
90°	0.0	0.0	0.0	0.0	0.0
92.5°	10.5	9.3	5.8	4.6	4.6
95°	38.5	34.9	31.2	29.0	29.8
97.5°	71.0	67.6	63.0	60.8	61.4
100°	93.6	90.8	85.6	83.5	83.5
102.5°	115.7	114.0	108.9	106.7	107.3
105°	151.7	151.0	145.9	143.7	142.2
107.5°	191.4	190.2	184.5	184.3	183.0
110°	217.0	216.3	211.2	210.4	209.7



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	243.1	244.1	238.5	237.7	237.0
115°	284.5	285.9	279.4	278.7	277.9
117.5°	326.9	328.8	321.9	321.2	319.9
120°	354.1	358.4	349.8	349.1	348.3
122.5°	382.0	385.7	377.7	376.4	376.2
125°	423.8	428.8	420.2	418.8	419.5
127.5°	465.6	470.7	462.7	459.8	461.4
130°	493.5	499.2	490.6	487.7	489.9
132.5°	521.9	527.6	519.0	516.2	519.5
135°	564.6	570.3	561.0	556.8	562.4
137.5°	606.3	611.2	601.0	598.1	604.1
140°	633.6	638.5	627.7	624.3	631.4
142.5°	660.3	665.8	653.9	650.4	658.1
145°	699.6	705.3	693.8	690.3	696.7
147.5°	737.3	743.1	731.5	727.5	734.0
150°	760.6	766.9	754.7	751.3	758.4
152.5°	783.2	790.1	777.4	773.4	782.2
155°	816.4	823.5	809.9	806.5	815.0
157.5°	846.3	852.9	840.5	837.1	844.4
160°	864.3	871.4	858.5	855.1	863.6
162.5°	880.0	887.1	875.4	870.8	879.3
165°	901.3	909.1	897.0	892.1	901.3
167.5°	919.2	927.6	914.7	910.3	919.5
170°	929.6	937.4	924.6	919.0	928.2
172.5°	936.6	944.4	931.5	925.9	932.3
175°	944.2	952.7	939.8	934.1	937.6
177.5°	947.5	954.3	944.0	939.0	946.9
180°	946.3	946.3	946.3	946.3	946.3



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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	15.59	16.44	16.55	17.42	18.69	14.51	15.36	15.47	16.34	17.61
	3H	17.26	18.02	18.23	19.00	20.30	15.93	16.69	16.90	17.67	18.97
	4H	17.89	18.61	18.87	19.60	20.90	16.44	17.16	17.43	18.15	19.46
	6H	18.27	18.94	19.27	19.93	21.25	16.76	17.42	17.76	18.42	19.73
	8H	18.41	19.04	19.41	20.05	21.36	16.88	17.51	17.89	18.52	19.84
	12H	18.48	19.08	19.48	20.08	21.42	16.96	17.56	17.97	18.56	19.90
4H	2H	16.00	16.72	16.99	17.71	19.01	15.14	15.86	16.13	16.85	18.15
	3H	17.89	18.49	18.89	19.50	20.82	16.76	17.36	17.76	18.37	19.69
	4H	18.64	19.18	19.65	20.19	21.54	17.36	17.91	18.37	18.92	20.26
	6H	19.14	19.61	20.16	20.64	21.98	17.78	18.25	18.80	19.28	20.62
	8H	19.33	19.77	20.35	20.79	22.15	17.95	18.39	18.97	19.41	20.77
	12H	19.43	19.82	20.47	20.86	22.22	18.05	18.45	19.09	19.49	20.85
8H	4H	18.76	19.20	19.79	20.23	21.59	17.63	18.07	18.65	19.09	20.45
	6H	19.38	19.75	20.43	20.81	22.17	18.15	18.52	19.20	19.58	20.94
	8H	19.66	19.98	20.71	21.03	22.40	18.41	18.73	19.46	19.78	21.15
	12H	19.82	20.10	20.88	21.15	22.57	18.58	18.86	19.64	19.91	21.32
12H	4H	18.74	19.13	19.78	20.18	21.54	17.63	18.02	18.67	19.07	20.43
	6H	19.40	19.72	20.45	20.77	22.14	18.21	18.53	19.26	19.58	20.95
	8H	19.70	19.98	20.76	21.03	22.44	18.49	18.77	19.55	19.82	21.24