

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: P1439534

Luminaire Tested: CB3-D-055U-030D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439534
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-935-1D-UNV-STD-W-8
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: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

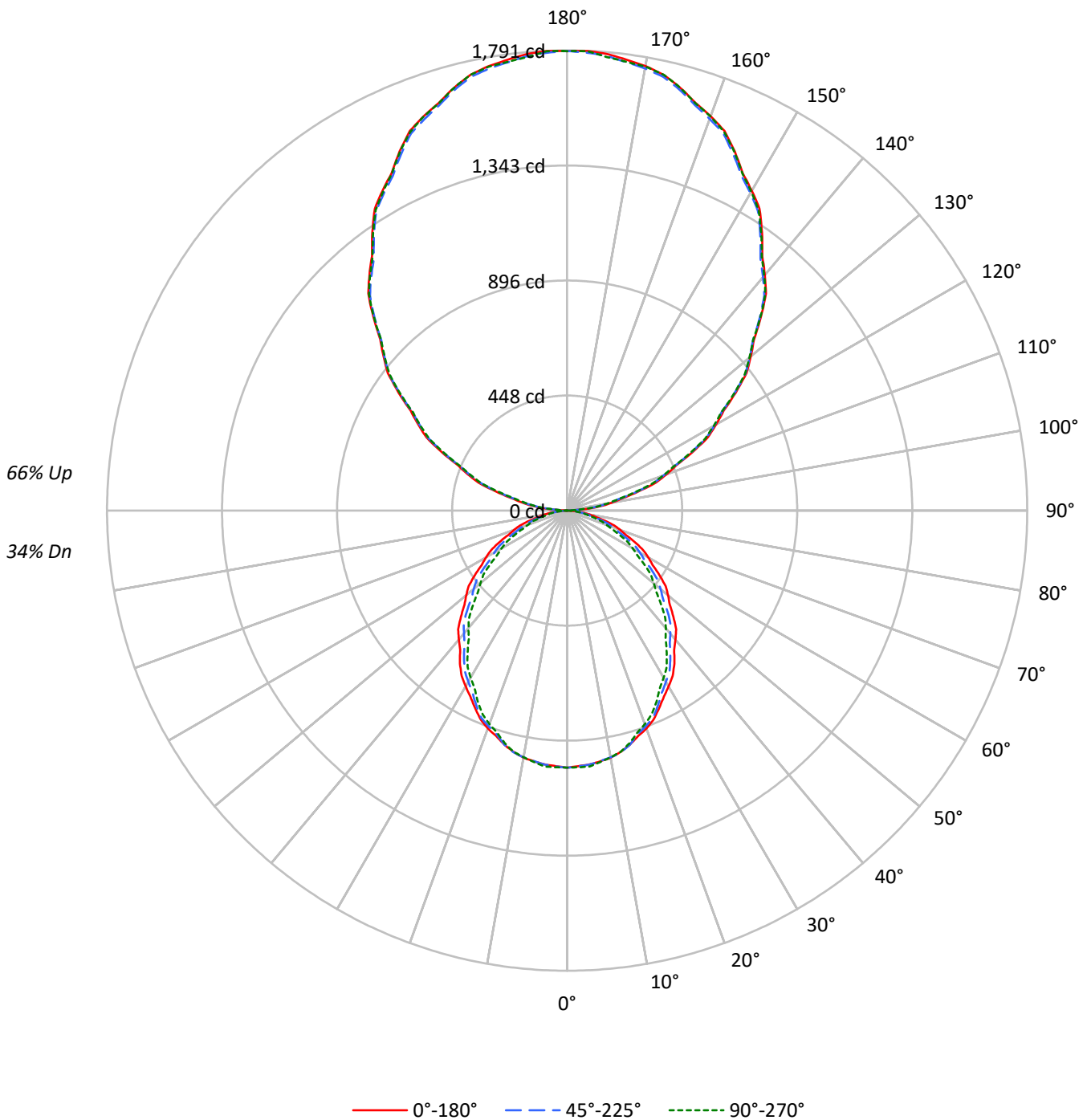
Lumens per Lamp: N/A
Luminaire Lumens: 7002.8 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 53.2
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

TEST NUMBER: P1439534

CATALOG NUMBER: CB3-D-055U-030D-935-1D-UNV-STD-W-8

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°	5661	5661	5661
5°	5634	5638	5678
10°	5610	5602	5602
15°	5524	5524	5491
20°	5435	5379	5324
25°	5290	5223	5130
30°	5160	5025	4905
35°	5024	4838	4666
40°	4843	4612	4413
45°	4679	4412	4140
50°	4510	4173	3873
55°	4326	3941	3619
60°	4128	3702	3332
65°	3895	3430	3031
70°	3627	3111	2699
75°	3290	2730	2404
80°	2867	2290	2127
85°	2213	1934	1934

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 4679 cd/sqm



TEST NUMBER: P1439534

CATALOG NUMBER: CB3-D-055U-030D-935-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	94.4	1.3
10°-20°	265.3	3.8
20°-30°	385.0	5.5
30°-40°	437.5	6.2
40°-50°	424.7	6.1
50°-60°	358.6	5.1
60°-70°	255.1	3.6
70°-80°	136.3	1.9
80°-90°	36.0	0.5
90°-100°	75.6	1.1
100°-110°	295.7	4.2
110°-120°	527.0	7.5
120°-130°	713.2	10.2
130°-140°	820.0	11.7
140°-150°	822.8	11.7
150°-160°	707.6	10.1
160°-170°	479.0	6.8
170°-180°	168.9	2.4
0°-30°	744.7	10.6
0°-40°	1182.2	16.9
0°-60°	1965.5	28.1
0°-90°	2393.0	34.2
90°-120°	898.3	12.8
90°-150°	3254.3	46.5
90°-180°	4610.0	65.8
0°-180°	7002.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1001	1001	1001	1001	1001	
5°	992	1005	993	992	1000	94
15°	943	952	943	938	938	266
25°	847	850	837	825	822	391
35°	727	720	700	680	676	453
45°	585	576	551	525	517	451
55°	439	427	400	374	367	392
65°	291	281	256	233	226	288
75°	150	142	125	112	110	160
85°	34	31	30	30	30	40
90°	0	0	0	0	0	4
95°	73	66	59	55	56	83
105°	287	285	276	272	269	306
115°	538	540	528	527	525	533
125°	801	810	794	791	793	716
135°	1067	1078	1060	1052	1063	823
145°	1322	1333	1311	1304	1317	826
155°	1543	1556	1530	1524	1540	710
165°	1703	1718	1695	1686	1703	480
175°	1784	1800	1776	1765	1772	169
180°	1788	1788	1788	1788	1788	

TEST NUMBER: P1439534

CATALOG NUMBER: CB3-D-055U-030D-935-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1000.6	1000.6	1000.6	1000.6	1000.6
2.5°	995.5	1005.5	996.6	997.8	1000.0
5°	992.1	1004.6	992.8	991.6	999.9
7.5°	984.4	995.8	983.6	980.7	987.0
10°	976.5	989.0	975.1	971.6	975.1
12.5°	962.3	975.3	964.3	958.5	961.4
15°	943.1	951.5	943.1	937.5	937.5
17.5°	919.7	928.5	912.8	908.7	906.9
20°	902.7	910.3	893.5	887.7	884.3
22.5°	880.0	887.0	873.0	862.2	859.3
25°	847.4	850.1	836.7	825.3	821.8
27.5°	816.0	816.7	798.3	784.4	779.8
30°	789.9	790.6	769.3	754.3	750.9
32.5°	763.8	761.7	741.5	723.7	721.3
35°	727.4	720.5	700.5	679.8	675.6
37.5°	683.6	679.4	655.8	635.0	628.8
40°	655.8	648.8	624.5	603.8	597.6
42.5°	627.9	619.9	595.0	572.0	565.2
45°	584.8	575.8	551.4	525.0	517.4
47.5°	541.4	531.5	504.7	479.1	470.7
50°	512.4	502.0	474.1	449.0	440.0
52.5°	482.9	471.9	444.0	418.4	411.1
55°	438.6	426.8	399.6	373.8	366.9
57.5°	394.3	382.6	355.6	331.2	322.9
60°	364.8	353.7	327.2	302.8	294.5
62.5°	334.7	324.1	298.2	274.5	266.7
65°	291.0	280.6	256.2	233.3	226.4
67.5°	247.7	238.8	214.8	193.8	188.2
70°	219.3	211.0	188.1	168.8	163.2
72.5°	192.0	183.2	161.4	145.0	141.1
75°	150.5	142.1	124.9	112.1	110.0
77.5°	112.4	105.6	90.7	83.4	82.3
80°	88.0	81.8	70.3	65.3	65.3
82.5°	65.3	60.2	52.7	50.5	50.5
85°	34.1	31.3	29.8	29.8	29.8
87.5°	10.2	10.2	9.7	9.1	9.1
90°	0.0	0.0	0.0	0.0	0.0
92.5°	19.7	17.6	11.0	8.8	8.8
95°	72.7	66.0	59.0	54.9	56.2
97.5°	134.1	127.7	119.0	115.0	116.0
100°	176.9	171.6	161.8	157.7	157.7
102.5°	218.6	215.4	205.7	201.6	202.7
105°	286.6	285.3	275.7	271.5	268.8
107.5°	361.8	359.4	348.6	348.3	345.9
110°	410.1	408.7	399.1	397.7	396.3

TEST NUMBER: P1439534

CATALOG NUMBER: CB3-D-055U-030D-935-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	459.4	461.3	450.7	449.3	447.9
115°	537.6	540.3	528.0	526.6	525.3
117.5°	617.7	621.5	608.4	606.9	604.5
120°	669.3	677.3	661.0	659.6	658.3
122.5°	721.9	728.9	713.7	711.2	711.0
125°	800.9	810.3	794.1	791.4	792.7
127.5°	879.9	889.6	874.4	869.0	872.0
130°	932.6	943.3	927.1	921.7	925.7
132.5°	986.3	997.1	980.9	975.5	981.7
135°	1067.0	1077.7	1060.1	1052.1	1062.9
137.5°	1145.7	1155.1	1135.8	1130.3	1141.6
140°	1197.3	1206.7	1186.3	1179.7	1193.2
142.5°	1247.7	1258.2	1235.7	1229.1	1243.6
145°	1322.1	1332.8	1311.1	1304.5	1316.6
147.5°	1393.4	1404.4	1382.4	1374.7	1387.1
150°	1437.3	1449.3	1426.3	1419.7	1433.2
152.5°	1480.1	1493.2	1469.1	1461.5	1478.1
155°	1542.9	1556.3	1530.5	1524.0	1540.1
157.5°	1599.4	1611.7	1588.4	1581.9	1595.8
160°	1633.4	1646.8	1622.4	1615.9	1632.0
162.5°	1663.0	1676.4	1654.2	1645.5	1661.6
165°	1703.3	1718.1	1695.1	1685.9	1703.3
167.5°	1737.1	1752.9	1728.6	1720.2	1737.6
170°	1756.8	1771.6	1747.2	1736.6	1754.1
172.5°	1770.0	1784.7	1760.4	1749.7	1761.8
175°	1784.2	1800.3	1776.0	1765.2	1771.9
177.5°	1790.6	1803.4	1784.0	1774.4	1789.5
180°	1788.4	1788.4	1788.4	1788.4	1788.4



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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	11.49	12.22	12.57	13.30	14.78	10.41	11.14	11.49	12.22	13.70
	3H	13.15	13.80	14.24	14.89	16.39	11.81	12.47	12.91	13.56	15.06
	4H	13.77	14.39	14.87	15.48	16.99	12.33	12.94	13.43	14.04	15.54
	6H	14.15	14.72	15.26	15.81	17.33	12.64	13.21	13.75	14.30	15.82
	8H	14.28	14.82	15.40	15.93	17.44	12.76	13.30	13.87	14.41	15.92
	12H	14.34	14.86	15.46	15.96	17.50	12.83	13.34	13.95	14.44	15.98
4H	2H	11.88	12.50	12.99	13.59	15.10	11.02	11.64	12.13	12.73	14.24
	3H	13.76	14.27	14.88	15.39	16.91	12.63	13.14	13.75	14.26	15.78
	4H	14.50	14.97	15.62	16.08	17.62	13.23	13.70	14.35	14.81	16.35
	6H	15.00	15.40	16.12	16.53	18.06	13.63	14.04	14.76	15.17	16.70
	8H	15.18	15.56	16.31	16.69	18.23	13.80	14.18	14.93	15.30	16.85
	12H	15.28	15.62	16.42	16.75	18.31	13.90	14.24	15.05	15.38	16.93
8H	4H	14.62	15.00	15.75	16.12	17.67	13.48	13.86	14.61	14.98	16.53
	6H	15.23	15.55	16.38	16.71	18.25	14.00	14.32	15.15	15.48	17.03
	8H	15.51	15.78	16.66	16.93	18.49	14.26	14.53	15.41	15.67	17.24
	12H	15.67	15.91	16.83	17.05	18.65	14.43	14.67	15.58	15.81	17.41
12H	4H	14.59	14.93	15.73	16.07	17.62	13.48	13.82	14.62	14.96	16.51
	6H	15.25	15.52	16.40	16.67	18.23	14.06	14.33	15.22	15.48	17.04
	8H	15.54	15.78	16.70	16.93	18.52	14.34	14.58	15.49	15.72	17.32