

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: P1438990

Luminaire Tested: CB2-D-030U-055D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438990
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-13, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-D-030U-055D-935-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 300 LUMENS PER FOOT
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

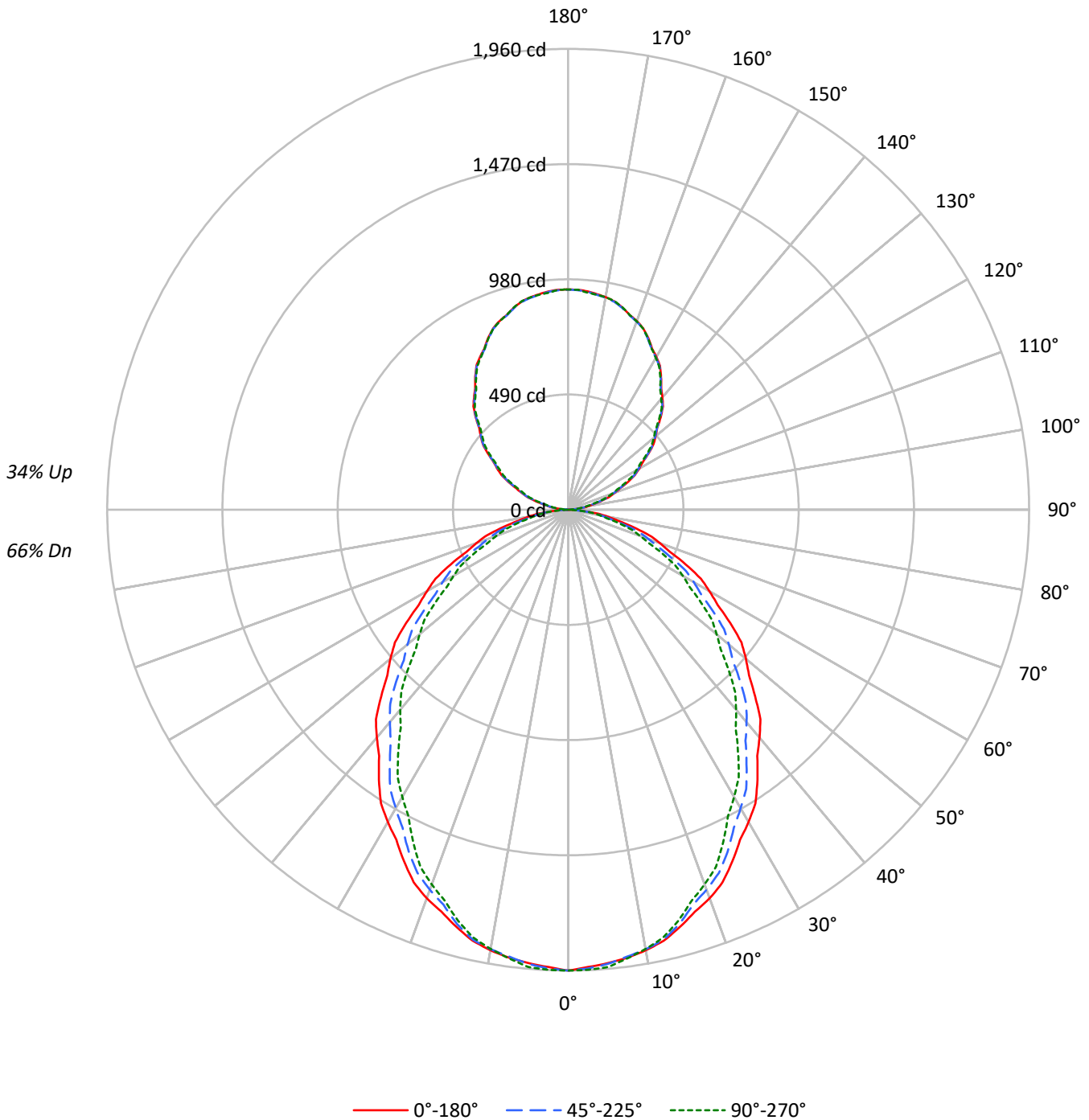
Lumens per Lamp: N/A
Luminaire Lumens: 6958.7 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Direct

Input Watts (W): 54.9
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: P1438990

CATALOG NUMBER: CB2-D-030U-055D-935-1D-UNV-STD-W-8

Luminous Intensity Polar Plot





TEST NUMBER: P1438990

CATALOG NUMBER: CB2-D-030U-055D-935-1D-UNV-STD-W-8

COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	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	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	55	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	37	40	36	33	30																				
6	66	54	46	40	62	51	44	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	37	31	54	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	25	21	26	22	20	18																				

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17069	17069	17069
5°	16924	16951	17069
10°	16828	16788	16775
15°	16562	16454	16318
20°	16301	15939	15717
25°	15863	15416	14983
30°	15424	14745	14186
35°	14918	14057	13387
40°	14383	13410	12626
45°	13844	12735	11885
50°	13359	12078	11162
55°	12760	11393	10482
60°	12077	10743	9802
65°	11350	10021	9122
70°	10547	9210	8255
75°	9593	8331	7473
80°	8581	7302	6775
85°	6595	5995	4946

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 13844 cd/sqm



TEST NUMBER: P1438990

CATALOG NUMBER: CB2-D-030U-055D-935-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.3	2.6
10°-20°	513.8	7.4
20°-30°	738.8	10.6
30°-40°	830.3	11.9
40°-50°	802.1	11.5
50°-60°	677.7	9.7
60°-70°	486.8	7.0
70°-80°	266.1	3.8
80°-90°	70.7	1.0
90°-100°	36.2	0.5
100°-110°	149.2	2.1
110°-120°	270.8	3.9
120°-130°	368.5	5.3
130°-140°	425.4	6.1
140°-150°	428.7	6.2
150°-160°	370.0	5.3
160°-170°	250.8	3.6
170°-180°	88.5	1.3
0°-30°	1436.9	20.6
0°-40°	2267.2	32.6
0°-60°	3747.0	53.8
0°-90°	4570.6	65.7
90°-120°	456.2	6.6
90°-150°	1678.9	24.1
90°-180°	2388.0	34.3
0°-180°	6958.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1960	1960	1960	1960	1960	
5°	1936	1962	1939	1939	1952	184
15°	1837	1853	1825	1807	1810	518
25°	1651	1652	1604	1568	1559	760
35°	1403	1387	1322	1271	1259	877
45°	1124	1101	1034	980	965	868
55°	840	810	750	704	690	751
65°	551	530	486	452	443	546
75°	285	268	248	228	222	305
85°	66	62	60	52	50	79
90°	0	0	1	0	1	4
95°	35	31	29	23	23	41
105°	148	145	142	134	132	157
115°	280	280	275	267	266	277
125°	417	421	413	404	405	372
135°	556	562	553	543	546	428
145°	689	697	686	678	683	430
155°	806	814	802	797	804	370
165°	890	900	888	883	891	251
175°	933	943	931	925	927	89
180°	936	936	936	936	936	

TEST NUMBER: P1438990

CATALOG NUMBER: CB2-D-030U-055D-935-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1960.0	1960.0	1960.0	1960.0	1960.0
2.5°	1946.8	1970.3	1952.8	1955.3	1958.8
5°	1936.0	1962.4	1939.0	1939.3	1952.5
7.5°	1922.2	1947.1	1917.7	1912.3	1924.6
10°	1903.0	1927.9	1898.5	1888.2	1897.0
12.5°	1877.8	1901.6	1873.3	1856.9	1864.6
15°	1837.0	1853.1	1825.0	1807.0	1809.9
17.5°	1792.5	1802.5	1761.9	1746.8	1743.9
20°	1758.9	1767.7	1719.9	1698.8	1695.9
22.5°	1715.7	1723.3	1673.1	1647.2	1643.1
25°	1650.9	1652.3	1604.3	1568.1	1559.3
27.5°	1583.0	1578.3	1525.1	1482.2	1470.8
30°	1533.8	1527.9	1466.3	1421.0	1410.7
32.5°	1481.0	1470.4	1408.6	1359.8	1349.5
35°	1403.2	1387.1	1322.2	1270.9	1259.2
37.5°	1320.4	1302.2	1238.4	1182.6	1169.4
40°	1265.2	1244.6	1179.6	1123.8	1110.6
42.5°	1209.9	1187.0	1120.8	1064.9	1050.5
45°	1124.1	1100.6	1034.0	979.7	965.0
47.5°	1042.4	1012.5	947.9	893.8	879.2
50°	986.0	953.7	891.5	838.6	823.9
52.5°	928.4	894.9	835.0	784.6	769.9
55°	840.4	809.6	750.4	703.6	690.4
57.5°	753.4	723.8	669.6	624.9	612.0
60°	693.4	668.4	616.8	574.5	562.8
62.5°	635.7	613.1	564.0	525.3	513.6
65°	550.8	530.2	486.3	451.5	442.7
67.5°	468.2	447.7	412.1	381.0	371.0
70°	414.2	393.7	361.7	333.0	324.2
72.5°	362.6	340.9	314.9	288.6	282.1
75°	285.1	267.5	247.6	228.0	222.1
77.5°	216.7	199.7	185.2	171.4	169.9
80°	171.1	156.4	145.6	136.5	135.1
82.5°	127.9	116.7	109.6	102.9	102.7
85°	66.0	61.6	60.0	52.5	49.5
87.5°	19.2	19.2	17.0	14.4	14.6
90°	0.0	0.0	0.7	0.0	0.7
92.5°	8.8	7.6	7.2	4.7	5.4
95°	35.1	30.8	29.2	22.6	22.6
97.5°	66.2	61.9	59.6	52.9	51.4
100°	88.4	84.1	81.8	74.5	73.0
102.5°	111.2	109.2	105.2	97.3	95.8
105°	147.5	145.4	141.7	133.6	132.2
107.5°	184.9	185.4	179.8	173.2	171.2
110°	211.8	211.1	206.7	200.1	198.7



TEST NUMBER: P1438990

CATALOG NUMBER: CB2-D-030U-055D-935-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	239.3	238.0	233.6	227.0	225.6
115°	280.5	279.8	274.6	266.6	265.9
117.5°	319.6	321.9	315.8	307.4	307.1
120°	347.7	350.5	343.3	336.0	334.5
122.5°	375.1	378.6	371.3	362.9	363.2
125°	417.1	421.4	412.7	403.9	404.7
127.5°	457.5	462.8	454.8	445.9	446.7
130°	485.0	491.4	482.8	473.3	474.8
132.5°	513.0	519.5	510.9	500.8	503.4
135°	555.9	562.3	552.9	542.8	546.4
137.5°	596.2	602.6	592.4	583.8	588.1
140°	623.0	629.5	618.7	610.7	615.0
142.5°	649.3	656.9	645.5	637.1	642.5
145°	688.8	696.6	685.9	677.9	682.9
147.5°	726.2	734.0	723.1	715.5	720.6
150°	750.1	758.0	746.5	740.0	745.8
152.5°	772.3	781.3	769.3	762.9	770.3
155°	805.7	813.5	802.0	797.0	803.5
157.5°	834.6	843.7	832.2	828.0	833.1
160°	853.9	862.4	850.9	846.7	852.4
162.5°	868.5	877.6	866.7	861.9	868.8
165°	890.4	899.7	888.2	883.3	891.1
167.5°	907.6	917.5	905.9	900.8	908.8
170°	918.1	927.4	915.2	909.6	918.1
172.5°	925.2	935.0	922.2	916.5	922.2
175°	932.7	942.7	930.6	924.8	926.9
177.5°	936.4	944.4	934.6	929.5	936.4
180°	936.4	936.4	936.4	936.4	936.4



TEST NUMBER: P1438990

CATALOG NUMBER: CB2-D-030U-055D-935-1D-UNV-STD-W-8

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	18.20	19.20	19.01	20.04	21.07	17.10	18.10	17.91	18.94	19.97
	3H	19.85	20.76	20.68	21.60	22.66	18.64	19.54	19.46	20.38	21.44
	4H	20.49	21.34	21.33	22.19	23.26	19.22	20.07	20.06	20.92	21.99
	6H	20.90	21.68	21.75	22.54	23.62	19.60	20.38	20.45	21.24	22.32
	8H	21.05	21.80	21.91	22.67	23.76	19.74	20.49	20.60	21.36	22.45
	12H	21.13	21.84	22.00	22.71	23.82	19.81	20.52	20.68	21.39	22.50
4H	2H	18.62	19.48	19.47	20.33	21.39	17.75	18.60	18.60	19.45	20.52
	3H	20.51	21.22	21.36	22.10	23.18	19.50	20.21	20.36	21.09	22.17
	4H	21.26	21.90	22.13	22.78	23.90	20.18	20.82	21.05	21.70	22.81
	6H	21.79	22.34	22.67	23.25	24.36	20.66	21.22	21.55	22.12	23.24
	8H	21.99	22.52	22.88	23.41	24.54	20.85	21.38	21.74	22.27	23.40
	12H	22.11	22.58	23.02	23.49	24.63	20.95	21.42	21.86	22.34	23.47
8H	4H	21.43	21.95	22.31	22.85	23.97	20.46	20.98	21.35	21.88	23.01
	6H	22.07	22.50	22.99	23.45	24.57	21.07	21.50	21.99	22.44	23.57
	8H	22.37	22.75	23.29	23.68	24.82	21.35	21.73	22.27	22.66	23.81
	12H	22.55	22.88	23.48	23.81	25.00	21.50	21.84	22.43	22.77	23.96
12H	4H	21.41	21.88	22.32	22.80	23.93	20.47	20.94	21.38	21.86	22.99
	6H	22.10	22.49	23.03	23.42	24.56	21.14	21.52	22.06	22.45	23.60
	8H	22.43	22.76	23.36	23.69	24.88	21.45	21.79	22.38	22.71	23.91