

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: P1438766

Luminaire Tested: CB2-0U-055D-935-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1438766
REPORT IS SCALED FROM IESNA LM-79-24 TEST DATA (G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/31/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-0U-055D-935-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE
2-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
DIRECT ONLY
Light Source: 3500K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

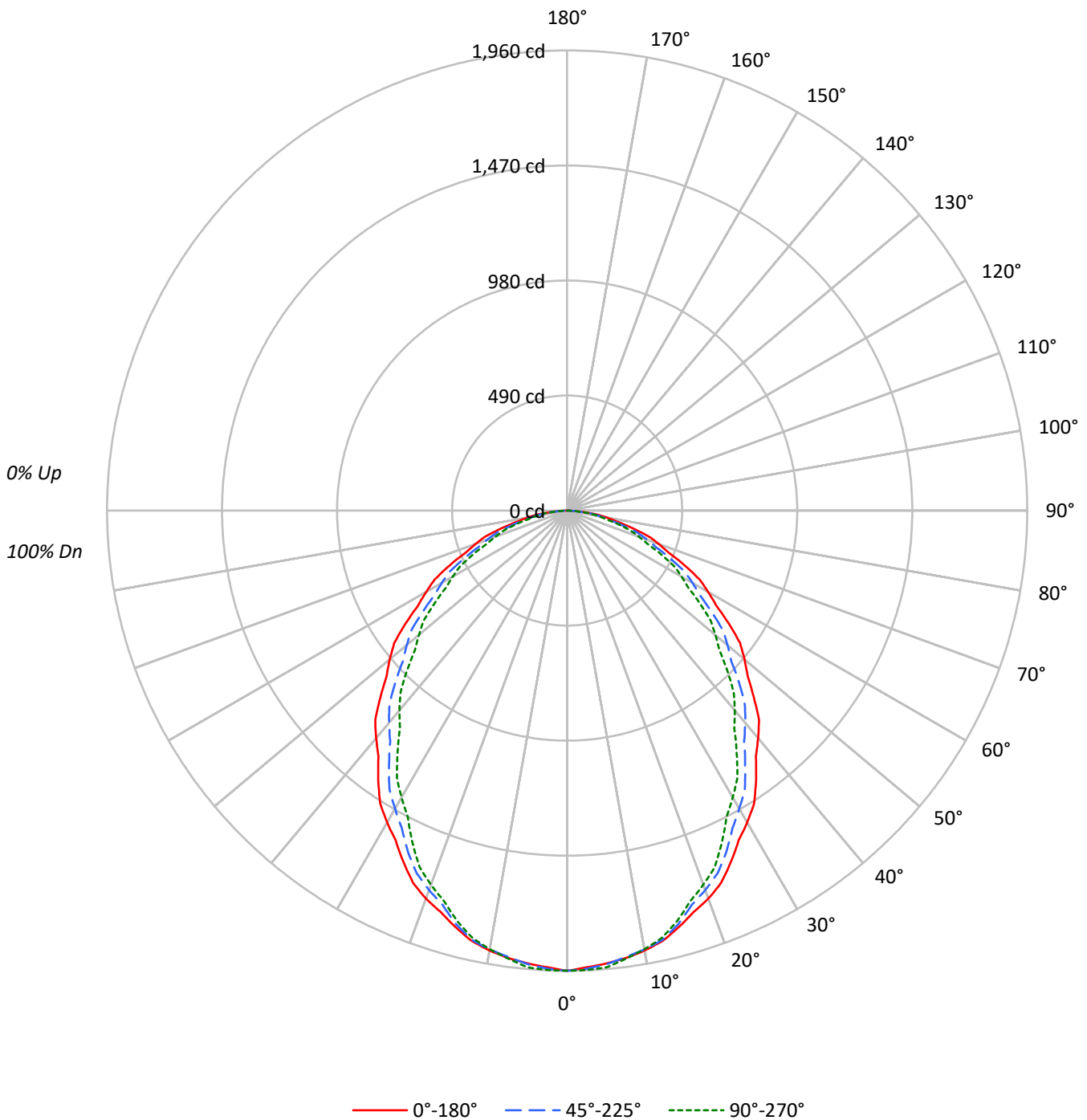
Lumens per Lamp: N/A
Luminaire Lumens: 4570.5 lumens
Efficiency: N/A
Efficacy: 125.2 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Direct

Input Watts (W): 36.5
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	0
RCR																		
0	119	119	119	119	116	116	116	116	111	111	111	106	106	106	102	102	102	100
1	109	105	101	97	107	103	99	95	98	95	92	94	92	90	91	89	87	85
2	100	92	86	80	97	90	84	79	87	82	77	83	79	76	80	77	74	72
3	91	81	74	67	89	80	73	67	77	71	66	74	69	64	72	67	63	61
4	84	73	64	58	82	71	63	57	69	62	56	66	60	56	64	59	55	53
5	78	65	56	50	76	64	56	50	62	55	49	60	54	49	58	53	48	46
6	72	59	50	44	70	58	50	44	56	49	43	55	48	43	53	47	43	41
7	67	54	45	39	65	53	45	39	51	44	39	50	43	38	49	43	38	36
8	62	49	41	35	61	48	41	35	47	40	35	46	39	35	45	39	34	33
9	58	45	37	32	57	45	37	32	44	37	32	42	36	31	41	36	31	29
10	55	42	34	29	54	41	34	29	40	34	29	39	33	29	39	33	29	27

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



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.3	4.0
10°-20°	513.8	11.2
20°-30°	738.8	16.2
30°-40°	830.3	18.2
40°-50°	802.1	17.5
50°-60°	677.7	14.8
60°-70°	486.8	10.7
70°-80°	266.1	5.8
80°-90°	70.7	1.5
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1436.9	31.4
0°-40°	2267.2	49.6
0°-60°	3747.0	82.0
0°-90°	4570.5	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	4570.5	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	81
90°	0	0	0	0	0	



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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	16.8	14.4	14.4
90°	0.0	0.0	0.0	0.0	0.0



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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	20.71	22.29	21.07	22.60	22.92	19.61	21.19	19.97	21.50	21.82
	3H	22.40	23.83	22.78	24.15	24.51	21.19	22.61	21.56	22.94	23.30
	4H	23.06	24.40	23.46	24.75	25.12	21.79	23.13	22.19	23.48	23.85
	6H	23.50	24.74	23.91	25.10	25.49	22.20	23.43	22.61	23.80	24.19
	8H	23.67	24.85	24.09	25.24	25.64	22.36	23.54	22.78	23.93	24.33
	12H	23.76	24.89	24.19	25.28	25.70	22.44	23.57	22.87	23.95	24.38
4H	2H	21.20	22.54	21.60	22.88	23.26	20.32	21.66	20.72	22.01	22.39
	3H	23.13	24.24	23.54	24.64	25.04	22.12	23.24	22.53	23.63	24.03
	4H	23.90	24.91	24.33	25.32	25.76	22.82	23.83	23.25	24.24	24.68
	6H	24.46	25.34	24.91	25.78	26.24	23.33	24.21	23.79	24.65	25.11
	8H	24.68	25.50	25.14	25.94	26.41	23.54	24.36	24.00	24.80	25.27
	12H	24.82	25.56	25.30	26.03	26.50	23.66	24.40	24.14	24.87	25.34
8H	4H	24.11	24.93	24.57	25.38	25.84	23.15	23.97	23.61	24.41	24.88
	6H	24.78	25.46	25.28	25.95	26.43	23.78	24.46	24.27	24.95	25.43
	8H	25.08	25.69	25.59	26.20	26.68	24.06	24.67	24.57	25.18	25.67
	12H	25.28	25.82	25.79	26.32	26.88	24.24	24.78	24.75	25.27	25.84
12H	4H	24.12	24.86	24.60	25.34	25.81	23.18	23.92	23.66	24.40	24.87
	6H	24.81	25.43	25.32	25.93	26.42	23.85	24.46	24.36	24.97	25.45
	8H	25.16	25.70	25.67	26.20	26.76	24.19	24.73	24.69	25.22	25.78