

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: P1439016

Luminaire Tested: CB2-D-055U-030D-940-1D-UNV-STD-W-8

Issue Date: 3/31/2026

Test Information

Test Method: LM-79-2024
Report Number: P1439016
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-055U-030D-940-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 300 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 4000K CCT, 90 CRI LEDS
Ballast/Driver: -

Summary

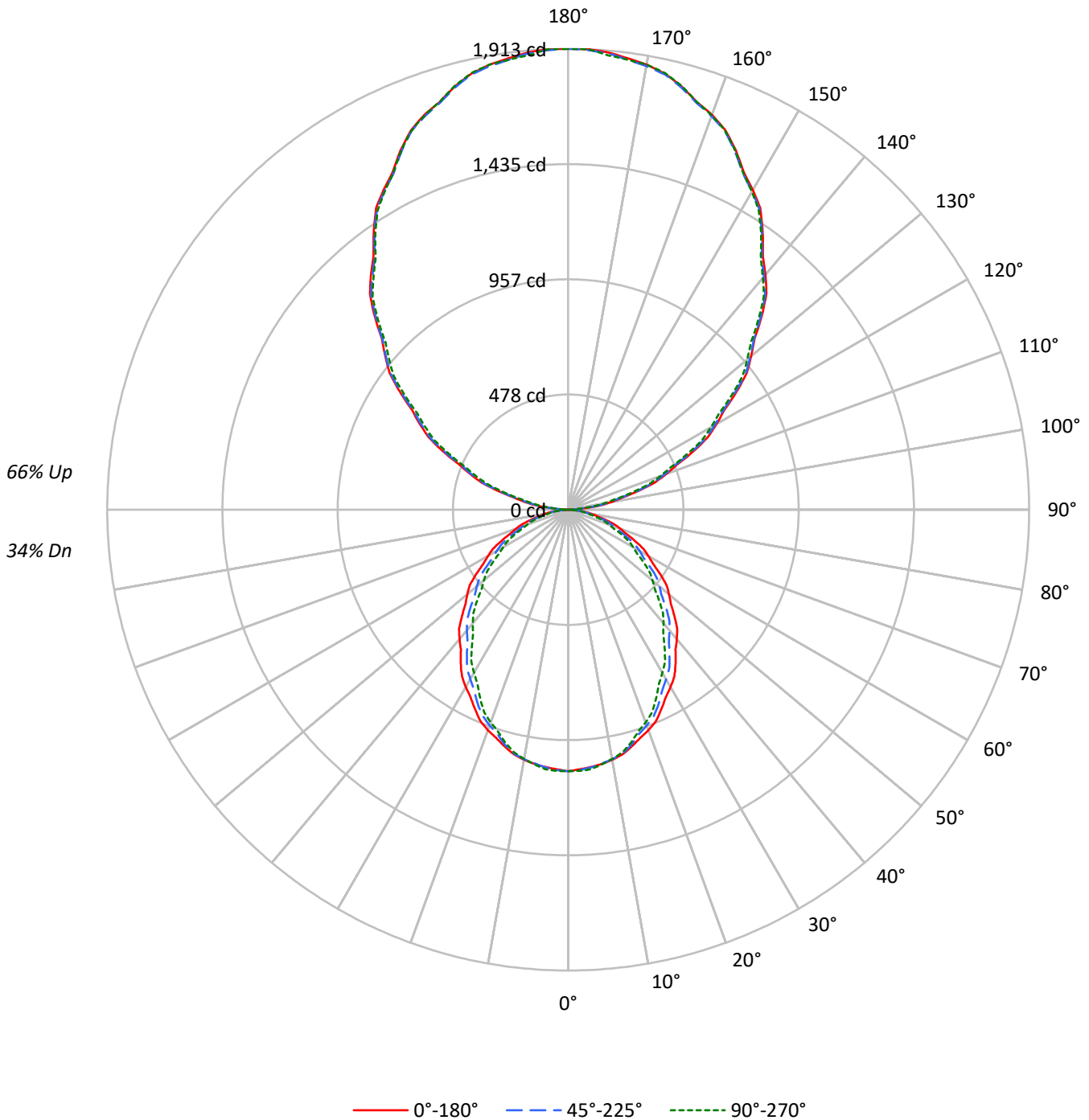
Lumens per Lamp: N/A
Luminaire Lumens: 7411.4 lumens
Efficiency: N/A
Efficacy: 131.6 lumens/watt
Spacing Criteria (0/90/45): 1.17 / 1.09 / 1.24
Luminous Opening: Rectangular (W 0.15' x L: 8' x H: 0')
CIE Type: Semi-Indirect

Input Watts (W): 56.3
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	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	36	55	45	38	33	36	31	27	29	25	22	21	19	17	14
7	56	44	36	31	50	40	34	29	33	28	24	26	22	20	19	17	15	12
8	52	40	33	27	47	37	30	25	30	25	21	24	20	18	18	15	14	11
9	48	36	29	24	44	33	27	23	27	23	19	22	18	16	17	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°	9456	9456	9456
5°	9376	9391	9456
10°	9322	9301	9293
15°	9175	9115	9040
20°	9030	8830	8707
25°	8788	8540	8300
30°	8545	8168	7859
35°	8265	7787	7416
40°	7968	7429	6995
45°	7669	7056	6584
50°	7400	6691	6185
55°	7069	6312	5808
60°	6690	5952	5431
65°	6287	5551	5055
70°	5844	5103	4573
75°	5316	4616	4142
80°	4754	4042	3751
85°	3657	3327	2738

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 7669 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.1	1.4
10°-20°	284.6	3.8
20°-30°	409.3	5.5
30°-40°	460.0	6.2
40°-50°	444.4	6.0
50°-60°	375.5	5.1
60°-70°	269.7	3.6
70°-80°	147.4	2.0
80°-90°	39.3	0.5
90°-100°	73.9	1.0
100°-110°	304.8	4.1
110°-120°	553.4	7.5
120°-130°	753.0	10.2
130°-140°	869.2	11.7
140°-150°	875.9	11.8
150°-160°	755.9	10.2
160°-170°	512.3	6.9
170°-180°	180.7	2.4
0°-30°	796.0	10.7
0°-40°	1256.0	16.9
0°-60°	2075.8	28.0
0°-90°	2532.2	34.2
90°-120°	932.1	12.6
90°-150°	3430.2	46.3
90°-180°	4879.0	65.8
0°-180°	7411.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1086	1086	1086	1086	1086	
5°	1072	1087	1074	1074	1082	102
15°	1018	1027	1011	1001	1003	287
25°	915	915	889	869	864	421
35°	777	768	732	704	698	486
45°	623	610	573	543	535	481
55°	466	448	416	390	382	416
65°	305	294	269	250	245	303
75°	158	148	137	126	123	169
85°	37	34	33	29	27	44
90°	0	0	2	0	2	4
95°	72	63	60	46	46	83
105°	302	297	290	273	270	320
115°	573	572	561	545	543	566
125°	852	861	843	825	827	761
135°	1136	1149	1130	1109	1116	875
145°	1407	1423	1401	1385	1395	879
155°	1646	1662	1639	1628	1642	757
165°	1819	1838	1815	1805	1821	512
175°	1906	1926	1901	1889	1894	181
180°	1913	1913	1913	1913	1913	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1085.8	1085.8	1085.8	1085.8	1085.8
2.5°	1078.5	1091.5	1081.8	1083.2	1085.2
5°	1072.5	1087.2	1074.2	1074.4	1081.7
7.5°	1064.9	1078.7	1062.4	1059.4	1066.2
10°	1054.2	1068.1	1051.8	1046.0	1050.9
12.5°	1040.3	1053.4	1037.8	1028.7	1033.0
15°	1017.7	1026.6	1011.0	1001.1	1002.7
17.5°	993.1	998.6	976.1	967.7	966.1
20°	974.4	979.3	952.8	941.1	939.5
22.5°	950.5	954.7	926.9	912.5	910.2
25°	914.6	915.4	888.8	868.7	863.8
27.5°	877.0	874.4	844.9	821.1	814.8
30°	849.7	846.5	812.3	787.2	781.5
32.5°	820.4	814.6	780.4	753.3	747.6
35°	777.4	768.4	732.5	704.1	697.6
37.5°	731.5	721.4	686.1	655.2	647.8
40°	700.9	689.5	653.5	622.6	615.3
42.5°	670.3	657.6	620.9	590.0	582.0
45°	622.7	609.7	572.9	542.7	534.6
47.5°	577.5	560.9	525.1	495.2	487.0
50°	546.2	528.4	493.9	464.6	456.5
52.5°	514.3	495.8	462.6	434.6	426.5
55°	465.6	448.5	415.7	389.8	382.5
57.5°	417.4	401.0	371.0	346.2	339.1
60°	384.1	370.3	341.7	318.3	311.8
62.5°	352.2	339.7	312.4	291.0	284.5
65°	305.1	293.8	269.4	250.1	245.3
67.5°	259.4	248.0	228.3	211.1	205.5
70°	229.5	218.1	200.4	184.5	179.6
72.5°	200.9	188.8	174.4	159.9	156.3
75°	158.0	148.2	137.2	126.3	123.1
77.5°	120.1	110.6	102.6	94.9	94.1
80°	94.8	86.7	80.6	75.6	74.8
82.5°	70.8	64.7	60.7	57.0	56.9
85°	36.6	34.1	33.3	29.1	27.4
87.5°	10.6	10.6	9.6	8.0	8.3
90°	0.0	0.0	1.5	0.0	1.5
92.5°	17.9	15.6	14.6	9.6	11.0
95°	71.6	62.9	59.7	46.3	46.3
97.5°	135.2	126.5	121.8	108.0	105.1
100°	180.6	171.8	167.1	152.2	149.2
102.5°	227.1	223.0	214.9	198.7	195.8
105°	301.5	297.1	289.5	273.0	270.1
107.5°	377.9	378.7	367.4	353.9	349.8
110°	432.8	431.3	422.3	408.8	405.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	488.9	486.3	477.2	463.8	460.8
115°	573.1	571.6	561.1	544.7	543.2
117.5°	653.0	657.7	645.3	628.0	627.4
120°	710.4	716.2	701.4	686.4	683.5
122.5°	766.5	773.5	758.7	741.4	742.0
125°	852.1	860.9	843.2	825.3	826.8
127.5°	934.8	945.6	929.1	911.0	912.7
130°	990.9	1004.0	986.4	967.1	970.0
132.5°	1048.2	1061.4	1043.7	1023.3	1028.5
135°	1135.7	1148.8	1129.7	1109.0	1116.3
137.5°	1218.0	1231.2	1210.3	1192.9	1201.6
140°	1273.0	1286.1	1264.0	1247.8	1256.5
142.5°	1326.7	1342.2	1318.9	1301.6	1312.7
145°	1407.3	1423.3	1401.3	1385.1	1395.3
147.5°	1483.7	1499.7	1477.4	1461.8	1472.3
150°	1532.6	1548.7	1525.2	1512.0	1523.7
152.5°	1578.0	1596.4	1571.7	1558.6	1573.8
155°	1646.0	1662.1	1638.6	1628.4	1641.6
157.5°	1705.1	1723.8	1700.4	1691.7	1702.2
160°	1744.5	1762.1	1738.6	1729.9	1741.6
162.5°	1774.4	1793.1	1770.8	1761.0	1775.0
165°	1819.2	1838.1	1814.7	1804.6	1820.7
167.5°	1854.4	1874.5	1850.8	1840.4	1856.8
170°	1875.9	1894.8	1869.9	1858.4	1875.9
172.5°	1890.2	1910.3	1884.2	1872.6	1884.2
175°	1905.7	1926.1	1901.2	1889.4	1893.8
177.5°	1913.2	1929.5	1909.6	1899.2	1913.2
180°	1913.2	1913.2	1913.2	1913.2	1913.2



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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	13.13	13.86	14.21	14.94	16.42	12.03	12.76	13.11	13.84	15.32
	3H	14.76	15.42	15.86	16.51	18.01	13.55	14.20	14.64	15.29	16.79
	4H	15.39	16.00	16.49	17.10	18.60	14.11	14.73	15.22	15.82	17.33
	6H	15.78	16.35	16.89	17.45	18.96	14.48	15.05	15.59	16.14	17.66
	8H	15.93	16.47	17.04	17.58	19.09	14.61	15.16	15.73	16.27	17.78
	12H	16.00	16.51	17.12	17.61	19.15	14.67	15.19	15.79	16.29	17.82
4H	2H	13.52	14.14	14.63	15.23	16.74	12.65	13.26	13.76	14.36	15.86
	3H	15.38	15.89	16.50	17.01	18.53	14.37	14.89	15.49	16.00	17.52
	4H	16.12	16.59	17.24	17.70	19.24	15.04	15.51	16.16	16.62	18.16
	6H	16.63	17.04	17.76	18.17	19.70	15.51	15.91	16.63	17.04	18.57
	8H	16.83	17.21	17.96	18.34	19.88	15.69	16.07	16.82	17.19	18.74
	12H	16.93	17.28	18.08	18.41	19.96	15.77	16.12	16.92	17.25	18.80
8H	4H	16.26	16.64	17.39	17.77	19.31	15.30	15.68	16.43	16.80	18.35
	6H	16.90	17.21	18.05	18.38	19.92	15.90	16.21	17.05	17.38	18.92
	8H	17.19	17.46	18.35	18.61	20.17	16.17	16.45	17.33	17.59	19.15
	12H	17.36	17.60	18.52	18.74	20.34	16.32	16.56	17.48	17.70	19.30
12H	4H	16.24	16.58	17.38	17.72	19.27	15.30	15.64	16.44	16.78	18.33
	6H	16.93	17.20	18.08	18.35	19.91	15.96	16.23	17.12	17.38	18.94
	8H	17.24	17.48	18.40	18.62	20.22	16.26	16.50	17.42	17.64	19.24