

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: CORELITE

Report Number: P1057027

Luminaire Tested: CB2-D-055U-055D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057027
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-242-13, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-D-055U-055D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 550 LUMENS PER FOOT
UPLIGHT 550 LUMENS PER FOOT
Light Source: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8754.7 lumens
Efficiency: N/A
Efficacy: 117.4 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: General Diffuse

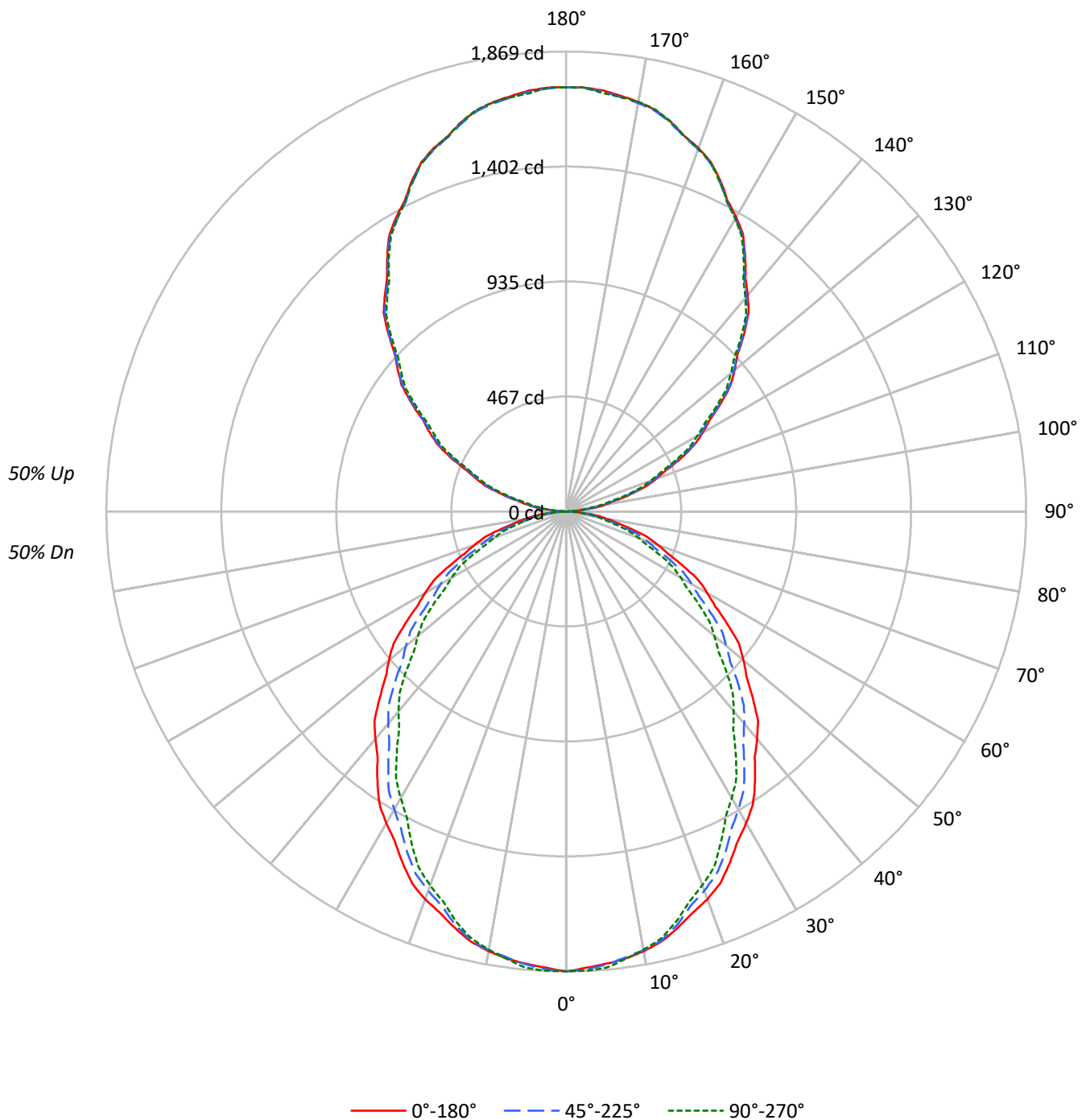
Input Watts (W): 74.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10
RCR																	
0	107	107	107	107	99	99	99	99	83	83	83	69	69	69	56	56	56
1	98	94	90	86	90	87	83	80	73	71	69	61	59	58	50	49	48
2	89	82	76	71	82	76	71	66	64	60	57	54	51	49	44	42	40
3	82	72	65	59	75	67	61	56	57	52	48	48	44	41	39	37	35
4	75	64	56	50	69	59	53	47	51	45	41	43	39	36	35	32	30
5	69	57	49	43	63	53	46	41	45	40	36	38	34	31	32	29	26
6	63	51	43	38	58	48	41	35	41	35	31	35	30	27	29	26	23
7	59	46	39	33	54	43	36	31	37	32	28	32	27	24	26	23	21
8	54	42	35	29	50	39	32	28	34	29	25	29	25	22	24	21	19
9	51	39	31	26	47	36	29	25	31	26	22	27	22	19	22	19	17
10	47	35	28	23	44	33	27	22	29	24	20	25	21	18	21	18	15

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	16277	16277	16277
5°	16138	16164	16277
10°	16047	16009	15996
15°	15793	15689	15561
20°	15544	15199	14988
25°	15126	14701	14288
30°	14708	14060	13527
35°	14226	13404	12765
40°	13715	12788	12039
45°	13201	12143	11333
50°	12738	11517	10645
55°	12168	10865	9995
60°	11516	10245	9348
65°	10823	9555	8700
70°	10058	8782	7870
75°	9149	7944	7127
80°	8180	6961	6459
85°	6295	5715	4716

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13201 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.8	2.0
10°-20°	489.9	5.6
20°-30°	704.5	8.0
30°-40°	791.8	9.0
40°-50°	764.9	8.7
50°-60°	646.3	7.4
60°-70°	464.2	5.3
70°-80°	253.7	2.9
80°-90°	67.5	0.8
90°-100°	66.6	0.8
100°-110°	274.6	3.1
110°-120°	498.6	5.7
120°-130°	678.4	7.7
130°-140°	783.2	8.9
140°-150°	789.2	9.0
150°-160°	681.1	7.8
160°-170°	461.6	5.3
170°-180°	162.8	1.9
0°-30°	1370.2	15.7
0°-40°	2162.0	24.7
0°-60°	3573.1	40.8
0°-90°	4358.5	49.8
90°-120°	839.8	9.6
90°-150°	3090.7	35.3
90°-180°	4396.0	50.2
0°-180°	8754.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1869	1869	1869	1869	1869	
5°	1846	1871	1849	1849	1862	175
15°	1752	1767	1740	1723	1726	494
25°	1574	1576	1530	1495	1487	725
35°	1338	1323	1261	1212	1201	836
45°	1072	1050	986	934	920	828
55°	801	772	716	671	658	716
65°	525	506	464	431	422	521
75°	272	255	236	217	212	291
85°	63	59	57	50	47	75
90°	0	0	1	0	1	5
95°	64	57	54	42	42	75
105°	272	268	261	246	243	288
115°	516	515	506	491	489	510
125°	768	776	760	744	745	686
135°	1023	1035	1018	999	1006	788
145°	1268	1282	1263	1248	1257	792
155°	1483	1498	1476	1467	1479	682
165°	1639	1656	1635	1626	1640	462
175°	1717	1736	1713	1702	1706	163
180°	1724	1724	1724	1724	1724	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1869.0	1869.0	1869.0	1869.0	1869.0
2.5°	1856.4	1878.8	1862.2	1864.5	1867.9
5°	1846.1	1871.3	1849.0	1849.3	1861.9
7.5°	1833.0	1856.8	1828.7	1823.5	1835.3
10°	1814.6	1838.4	1810.4	1800.5	1808.9
12.5°	1790.6	1813.3	1786.3	1770.7	1778.0
15°	1751.7	1767.1	1740.2	1723.1	1725.9
17.5°	1709.3	1718.8	1680.1	1665.7	1662.9
20°	1677.3	1685.7	1640.0	1620.0	1617.2
22.5°	1636.0	1643.3	1595.4	1570.7	1566.8
25°	1574.2	1575.6	1529.9	1495.3	1486.9
27.5°	1509.5	1505.1	1454.3	1413.4	1402.5
30°	1462.6	1457.0	1398.2	1355.0	1345.2
32.5°	1412.2	1402.1	1343.2	1296.6	1286.9
35°	1338.1	1322.7	1260.8	1211.9	1200.7
37.5°	1259.1	1241.7	1181.0	1127.7	1115.1
40°	1206.4	1186.8	1124.9	1071.6	1059.0
42.5°	1153.8	1131.9	1068.8	1015.5	1001.8
45°	1071.9	1049.5	986.0	934.2	920.2
47.5°	994.0	965.5	903.9	852.3	838.3
50°	940.2	909.5	850.1	799.7	785.7
52.5°	885.3	853.4	796.3	748.2	734.2
55°	801.4	772.0	715.6	670.9	658.3
57.5°	718.4	690.2	638.6	595.9	583.6
60°	661.2	637.4	588.2	547.9	536.7
62.5°	606.2	584.7	537.8	500.9	489.7
65°	525.2	505.6	463.7	430.6	422.2
67.5°	446.5	426.9	393.0	363.3	353.8
70°	395.0	375.4	344.9	317.5	309.1
72.5°	345.8	325.0	300.2	275.2	269.0
75°	271.9	255.1	236.1	217.4	211.8
77.5°	206.7	190.4	176.6	163.4	162.0
80°	163.1	149.2	138.8	130.2	128.8
82.5°	121.9	111.3	104.5	98.2	97.9
85°	63.0	58.8	57.2	50.0	47.2
87.5°	18.3	18.3	16.3	13.7	14.0
90°	0.0	0.0	1.3	0.0	1.3
92.5°	16.1	14.0	13.2	8.6	10.0
95°	64.5	56.7	53.8	41.7	41.7
97.5°	121.8	113.9	109.7	97.3	94.7
100°	162.7	154.8	150.6	137.1	134.5
102.5°	204.7	201.0	193.6	179.0	176.4
105°	271.6	267.7	260.9	246.0	243.4
107.5°	340.5	341.2	331.0	318.9	315.2
110°	389.9	388.6	380.5	368.4	365.7

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	440.5	438.1	430.0	417.8	415.2
115°	516.3	515.0	505.6	490.8	489.4
117.5°	588.4	592.6	581.4	565.8	565.3
120°	640.0	645.3	632.0	618.5	615.8
122.5°	690.6	696.9	683.6	668.0	668.5
125°	767.8	775.7	759.7	743.6	744.9
127.5°	842.3	852.0	837.2	820.8	822.4
130°	892.8	904.7	888.8	871.4	874.0
132.5°	944.5	956.3	940.4	922.0	926.7
135°	1023.3	1035.1	1017.9	999.2	1005.8
137.5°	1097.5	1109.3	1090.5	1074.8	1082.7
140°	1147.0	1158.8	1138.9	1124.3	1132.2
142.5°	1195.4	1209.3	1188.4	1172.7	1182.7
145°	1268.0	1282.4	1262.6	1248.0	1257.2
147.5°	1336.8	1351.3	1331.2	1317.1	1326.6
150°	1380.9	1395.4	1374.2	1362.3	1372.9
152.5°	1421.8	1438.4	1416.2	1404.4	1418.0
155°	1483.1	1497.6	1476.4	1467.3	1479.1
157.5°	1536.4	1553.2	1532.1	1524.2	1533.7
160°	1571.9	1587.6	1566.5	1558.7	1569.2
162.5°	1598.8	1615.6	1595.5	1586.7	1599.3
165°	1639.1	1656.2	1635.1	1626.0	1640.4
167.5°	1670.8	1689.0	1667.6	1658.3	1673.0
170°	1690.2	1707.3	1684.8	1674.4	1690.2
172.5°	1703.1	1721.2	1697.7	1687.2	1697.7
175°	1717.1	1735.5	1713.1	1702.4	1706.3
177.5°	1723.8	1738.5	1720.6	1711.2	1723.8
180°	1723.8	1723.8	1723.8	1723.8	1723.8

(END OF REPORT)