

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: P1057025

Luminaire Tested: CB2-D-055U-055D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057025
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-830-1D-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8132.8 lumens
Efficiency: N/A
Efficacy: 109.0 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

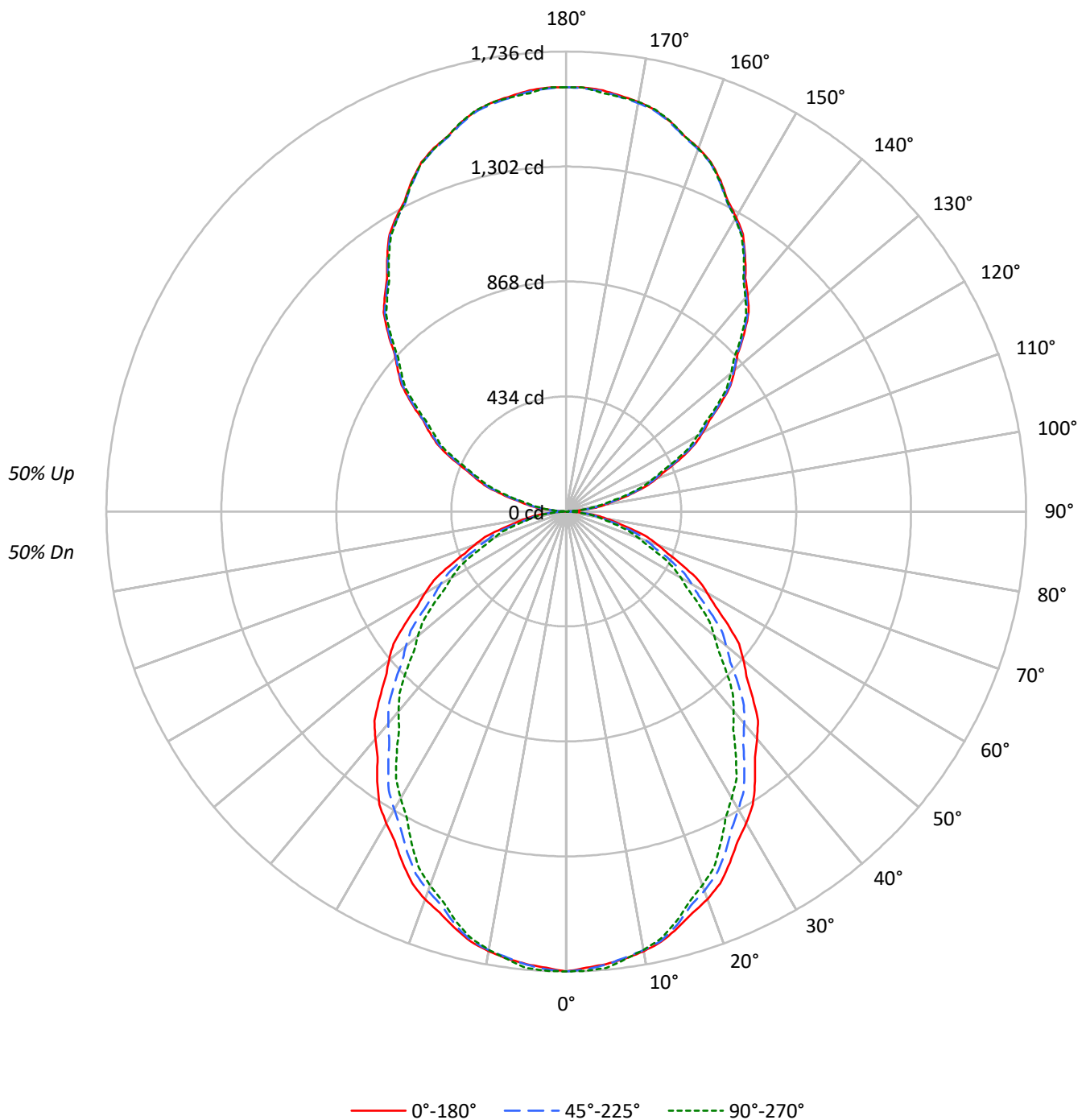
Input Watts (W): 74.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	15120	15120	15120
5°	14992	15015	15120
10°	14907	14871	14860
15°	14671	14575	14455
20°	14440	14119	13923
25°	14052	13656	13273
30°	13663	13062	12567
35°	13215	12451	11858
40°	12741	11879	11184
45°	12263	11281	10528
50°	11833	10699	9889
55°	11304	10092	9284
60°	10698	9517	8683
65°	10054	8875	8082
70°	9342	8158	7313
75°	8499	7382	6622
80°	7603	6470	5998
85°	5845	5316	4387

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12263 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	163.3	2.0
10°-20°	455.1	5.6
20°-30°	654.4	8.0
30°-40°	735.5	9.0
40°-50°	710.5	8.7
50°-60°	600.3	7.4
60°-70°	431.2	5.3
70°-80°	235.7	2.9
80°-90°	62.7	0.8
90°-100°	61.9	0.8
100°-110°	255.1	3.1
110°-120°	463.2	5.7
120°-130°	630.2	7.7
130°-140°	727.6	8.9
140°-150°	733.2	9.0
150°-160°	632.7	7.8
160°-170°	428.8	5.3
170°-180°	151.3	1.9
0°-30°	1272.8	15.7
0°-40°	2008.4	24.7
0°-60°	3319.2	40.8
0°-90°	4048.8	49.8
90°-120°	780.2	9.6
90°-150°	2871.1	35.3
90°-180°	4084.0	50.2
0°-180°	8132.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1736	1736	1736	1736	1736	
5°	1715	1738	1718	1718	1730	163
15°	1627	1642	1617	1601	1603	459
25°	1462	1464	1421	1389	1381	673
35°	1243	1229	1171	1126	1115	776
45°	996	975	916	868	855	769
55°	744	717	665	623	612	666
65°	488	470	431	400	392	484
75°	253	237	219	202	197	270
85°	58	55	53	46	44	70
90°	0	0	1	0	1	4
95°	60	53	50	39	39	70
105°	252	249	242	228	226	268
115°	480	478	470	456	455	473
125°	713	721	706	691	692	637
135°	951	962	946	928	934	732
145°	1178	1191	1173	1159	1168	736
155°	1378	1391	1372	1363	1374	634
165°	1523	1538	1519	1510	1524	429
175°	1595	1612	1591	1581	1585	151
180°	1601	1601	1601	1601	1601	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1736.2	1736.2	1736.2	1736.2	1736.2
2.5°	1724.5	1745.3	1729.9	1732.1	1735.2
5°	1715.0	1738.4	1717.6	1717.9	1729.6
7.5°	1702.7	1724.8	1698.7	1693.9	1704.9
10°	1685.7	1707.8	1681.7	1672.6	1680.4
12.5°	1663.4	1684.4	1659.4	1644.9	1651.7
15°	1627.2	1641.5	1616.6	1600.7	1603.3
17.5°	1587.9	1596.7	1560.8	1547.4	1544.8
20°	1558.1	1565.9	1523.5	1504.9	1502.3
22.5°	1519.8	1526.6	1482.1	1459.1	1455.5
25°	1462.4	1463.7	1421.2	1389.1	1381.3
27.5°	1402.3	1398.1	1351.0	1313.0	1302.8
30°	1358.7	1353.5	1298.9	1258.8	1249.7
32.5°	1311.9	1302.5	1247.8	1204.5	1195.4
35°	1243.0	1228.7	1171.2	1125.8	1115.4
37.5°	1169.6	1153.5	1097.0	1047.6	1035.9
40°	1120.7	1102.5	1044.9	995.5	983.8
42.5°	1071.8	1051.5	992.8	943.3	930.6
45°	995.7	974.9	916.0	867.8	854.8
47.5°	923.4	896.9	839.7	791.8	778.8
50°	873.4	844.8	789.7	742.9	729.9
52.5°	822.4	792.7	739.7	695.0	682.0
55°	744.5	717.2	664.7	623.2	611.5
57.5°	667.4	641.1	593.2	553.6	542.1
60°	614.2	592.1	546.4	508.9	498.5
62.5°	563.1	543.1	499.6	465.3	454.9
65°	487.9	469.7	430.7	400.0	392.2
67.5°	414.8	396.6	365.1	337.5	328.6
70°	366.9	348.7	320.4	295.0	287.2
72.5°	321.2	302.0	278.9	255.7	249.9
75°	252.6	237.0	219.4	202.0	196.8
77.5°	192.0	176.9	164.1	151.8	150.5
80°	151.6	138.6	129.0	120.9	119.6
82.5°	113.3	103.4	97.0	91.2	90.9
85°	58.5	54.6	53.2	46.5	43.9
87.5°	17.0	17.0	15.1	12.8	13.0
90°	0.0	0.0	1.2	0.0	1.2
92.5°	15.0	13.0	12.2	8.0	9.2
95°	60.0	52.6	50.0	38.7	38.7
97.5°	113.2	105.8	101.9	90.4	87.9
100°	151.1	143.8	139.9	127.4	124.9
102.5°	190.1	186.7	179.9	166.3	163.9
105°	252.3	248.7	242.3	228.5	226.1
107.5°	316.3	317.0	307.5	296.2	292.8
110°	362.2	361.0	353.5	342.2	339.8

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	409.2	407.0	399.5	388.2	385.7
115°	479.7	478.4	469.7	455.9	454.7
117.5°	546.6	550.5	540.1	525.6	525.1
120°	594.6	599.5	587.1	574.5	572.1
122.5°	641.5	647.4	635.0	620.6	621.0
125°	713.2	720.6	705.7	690.8	692.0
127.5°	782.4	791.5	777.7	762.5	763.9
130°	829.4	840.4	825.7	809.5	811.9
132.5°	877.4	888.4	873.6	856.5	860.9
135°	950.6	961.6	945.6	928.2	934.3
137.5°	1019.5	1030.5	1013.0	998.4	1005.8
140°	1065.5	1076.5	1058.0	1044.4	1051.7
142.5°	1110.4	1123.4	1103.9	1089.4	1098.7
145°	1177.9	1191.3	1172.9	1159.4	1167.9
147.5°	1241.8	1255.3	1236.6	1223.6	1232.4
150°	1282.8	1296.3	1276.6	1265.6	1275.3
152.5°	1320.8	1336.2	1315.5	1304.6	1317.3
155°	1377.8	1391.2	1371.5	1363.0	1374.0
157.5°	1427.2	1442.8	1423.2	1415.9	1424.7
160°	1460.2	1474.8	1455.2	1447.9	1457.7
162.5°	1485.2	1500.8	1482.2	1473.9	1485.7
165°	1522.6	1538.5	1518.9	1510.5	1523.9
167.5°	1552.1	1569.0	1549.1	1540.4	1554.1
170°	1570.1	1586.0	1565.1	1555.5	1570.1
172.5°	1582.1	1599.0	1577.1	1567.3	1577.1
175°	1595.1	1612.2	1591.3	1581.4	1585.1
177.5°	1601.3	1615.0	1598.3	1589.6	1601.3
180°	1601.3	1601.3	1601.3	1601.3	1601.3

(END OF REPORT)