

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: P1057133

Luminaire Tested: CB3-D-055U-055D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057133
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-242-3, G2-2312-242-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB3-D-055U-055D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-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: 8132.4 lumens
Efficiency: N/A
Efficacy: 117.5 lumens/watt
Spacing Criteria (0/90/45): 1.18 / 1.13 / 1.26
Luminous Opening: Rectangular (W 0.24' x L: 8' x H: 0')
CIE Type: General Diffuse

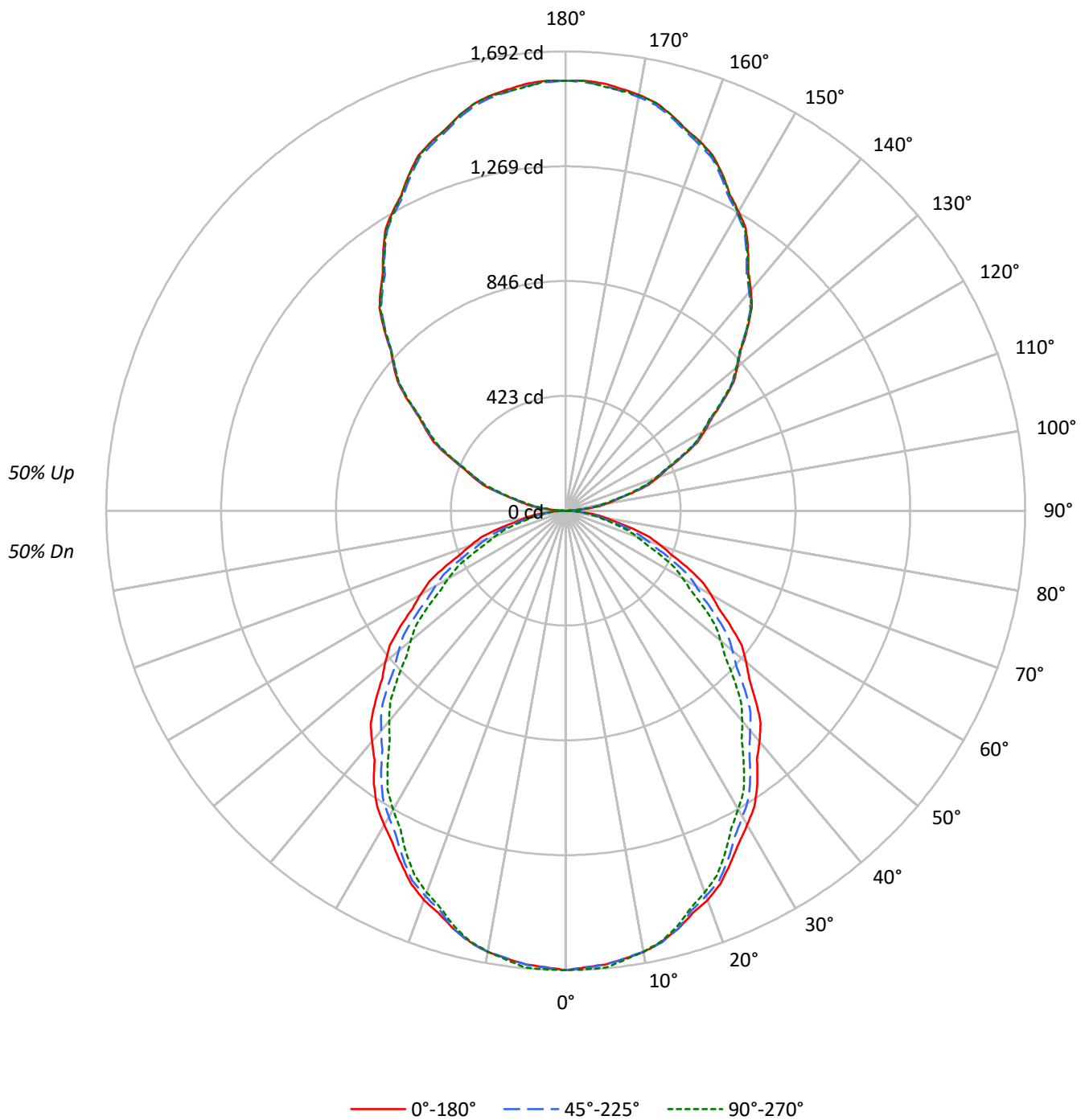
Input Watts (W): 69.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	61	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	37	58	48	41	35	41	35	31	35	30	27	29	26	23
7	59	46	38	33	54	43	36	31	37	32	28	32	27	24	26	23	21
8	54	42	34	29	50	39	32	28	34	28	25	29	25	21	24	21	19
9	51	38	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	23	20	25	20	18	21	18	15

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	9573	9573	9573
5°	9528	9535	9596
10°	9487	9473	9473
15°	9341	9341	9285
20°	9190	9096	9009
25°	8951	8838	8681
30°	8732	8505	8300
35°	8502	8187	7896
40°	8195	7805	7468
45°	7917	7466	7005
50°	7631	7061	6553
55°	7320	6668	6124
60°	6984	6264	5639
65°	6591	5804	5128
70°	6138	5265	4569
75°	5565	4621	4070
80°	4851	3874	3600
85°	3739	3271	3271

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7917 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.7	2.0
10°-20°	448.6	5.5
20°-30°	651.4	8.0
30°-40°	740.4	9.1
40°-50°	718.8	8.8
50°-60°	606.8	7.5
60°-70°	431.8	5.3
70°-80°	230.7	2.8
80°-90°	60.9	0.7
90°-100°	66.9	0.8
100°-110°	261.9	3.2
110°-120°	466.9	5.7
120°-130°	631.8	7.8
130°-140°	726.3	8.9
140°-150°	728.8	9.0
150°-160°	626.8	7.7
160°-170°	424.3	5.2
170°-180°	149.6	1.8
0°-30°	1259.6	15.5
0°-40°	2000.0	24.6
0°-60°	3325.6	40.9
0°-90°	4049.0	49.8
90°-120°	795.7	9.8
90°-150°	2882.7	35.4
90°-180°	4083.0	50.2
0°-180°	8132.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1692	1692	1692	1692	1692	
5°	1678	1699	1679	1677	1690	159
15°	1595	1609	1595	1585	1585	449
25°	1434	1439	1416	1397	1391	661
35°	1231	1219	1185	1150	1143	767
45°	990	974	933	888	876	763
55°	742	722	676	633	621	664
65°	492	475	434	395	383	488
75°	255	240	211	190	186	271
85°	58	53	50	50	50	68
90°	0	0	0	0	0	5
95°	64	58	52	49	50	73
105°	254	253	244	240	238	271
115°	476	479	468	466	465	472
125°	710	718	703	701	702	634
135°	945	955	939	932	942	729
145°	1171	1181	1161	1156	1166	732
155°	1367	1379	1356	1350	1364	629
165°	1509	1522	1502	1493	1509	425
175°	1580	1595	1573	1564	1570	150
180°	1584	1584	1584	1584	1584	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1692.2	1692.2	1692.2	1692.2	1692.2
2.5°	1683.5	1700.4	1685.5	1687.5	1691.2
5°	1677.8	1698.9	1679.0	1676.9	1689.8
7.5°	1664.8	1684.1	1663.4	1658.6	1669.1
10°	1651.4	1672.5	1649.0	1643.1	1649.0
12.5°	1627.3	1649.4	1630.7	1621.0	1625.9
15°	1594.9	1609.0	1594.9	1585.3	1585.3
17.5°	1555.3	1570.1	1543.5	1536.7	1533.9
20°	1526.5	1539.4	1510.8	1501.1	1496.4
22.5°	1488.0	1500.0	1476.3	1458.8	1454.1
25°	1434.0	1438.7	1415.9	1396.6	1390.7
27.5°	1380.9	1382.1	1350.9	1327.4	1319.6
30°	1336.7	1337.9	1301.9	1276.5	1270.6
32.5°	1292.5	1289.0	1254.8	1224.7	1220.7
35°	1231.0	1219.3	1185.4	1150.4	1143.3
37.5°	1156.8	1149.7	1109.7	1074.6	1064.1
40°	1109.7	1098.0	1056.9	1021.8	1011.2
42.5°	1062.6	1049.0	1006.9	968.0	956.5
45°	989.6	974.3	933.2	888.4	875.5
47.5°	916.1	899.4	854.1	810.8	796.5
50°	867.1	849.5	802.3	759.9	744.6
52.5°	817.1	798.6	751.3	708.1	695.6
55°	742.2	722.2	676.1	632.6	620.9
57.5°	667.3	647.5	601.7	560.5	546.4
60°	617.3	598.5	553.6	512.5	498.4
62.5°	566.4	548.5	504.6	464.5	451.3
65°	492.4	474.8	433.6	394.9	383.1
67.5°	419.1	404.1	363.4	327.9	318.5
70°	371.1	357.0	318.3	285.6	276.2
72.5°	325.0	310.0	273.1	245.3	238.8
75°	254.6	240.5	211.4	189.7	186.2
77.5°	190.2	178.7	153.5	141.2	139.3
80°	148.9	138.4	118.9	110.5	110.5
82.5°	110.5	101.8	89.1	85.5	85.5
85°	57.6	52.9	50.4	50.4	50.4
87.5°	17.3	17.3	16.3	15.4	15.4
90°	0.0	0.0	0.0	0.0	0.0
92.5°	17.5	15.6	9.7	7.8	7.8
95°	64.4	58.4	52.2	48.6	49.8
97.5°	118.8	113.1	105.4	101.8	102.8
100°	156.7	152.0	143.4	139.7	139.7
102.5°	193.6	190.8	182.2	178.6	179.6
105°	253.9	252.7	244.2	240.5	238.1
107.5°	320.5	318.3	308.8	308.5	306.4
110°	363.2	362.1	353.5	352.3	351.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	407.0	408.6	399.2	398.0	396.8
115°	476.2	478.6	467.7	466.5	465.3
117.5°	547.2	550.5	538.9	537.6	535.5
120°	592.8	600.0	585.6	584.3	583.1
122.5°	639.5	645.7	632.2	630.0	629.8
125°	709.5	717.8	703.4	701.0	702.2
127.5°	779.5	788.0	774.6	769.8	772.4
130°	826.1	835.6	821.2	816.5	820.0
132.5°	873.7	883.2	868.9	864.1	869.6
135°	945.2	954.7	939.1	932.0	941.5
137.5°	1014.9	1023.2	1006.1	1001.3	1011.2
140°	1060.6	1068.9	1050.9	1045.0	1056.9
142.5°	1105.3	1114.5	1094.6	1088.8	1101.6
145°	1171.1	1180.6	1161.4	1155.6	1166.3
147.5°	1234.3	1244.0	1224.6	1217.8	1228.7
150°	1273.2	1283.9	1263.5	1257.6	1269.5
152.5°	1311.1	1322.7	1301.4	1294.6	1309.4
155°	1366.7	1378.6	1355.8	1350.0	1364.3
157.5°	1416.8	1427.7	1407.0	1401.3	1413.6
160°	1446.9	1458.8	1437.2	1431.4	1445.7
162.5°	1473.1	1485.0	1465.4	1457.7	1471.9
165°	1508.9	1521.9	1501.6	1493.4	1508.9
167.5°	1538.7	1552.8	1531.2	1523.8	1539.2
170°	1556.2	1569.3	1547.7	1538.4	1553.8
172.5°	1567.9	1581.0	1559.4	1549.9	1560.6
175°	1580.5	1594.8	1573.2	1563.7	1569.6
177.5°	1586.1	1597.5	1580.3	1571.8	1585.1
180°	1584.2	1584.2	1584.2	1584.2	1584.2

(END OF REPORT)