

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: P1057134

Luminaire Tested: CB3-D-055U-055D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057134
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-835-1D-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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8872.7 lumens
Efficiency: N/A
Efficacy: 128.2 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

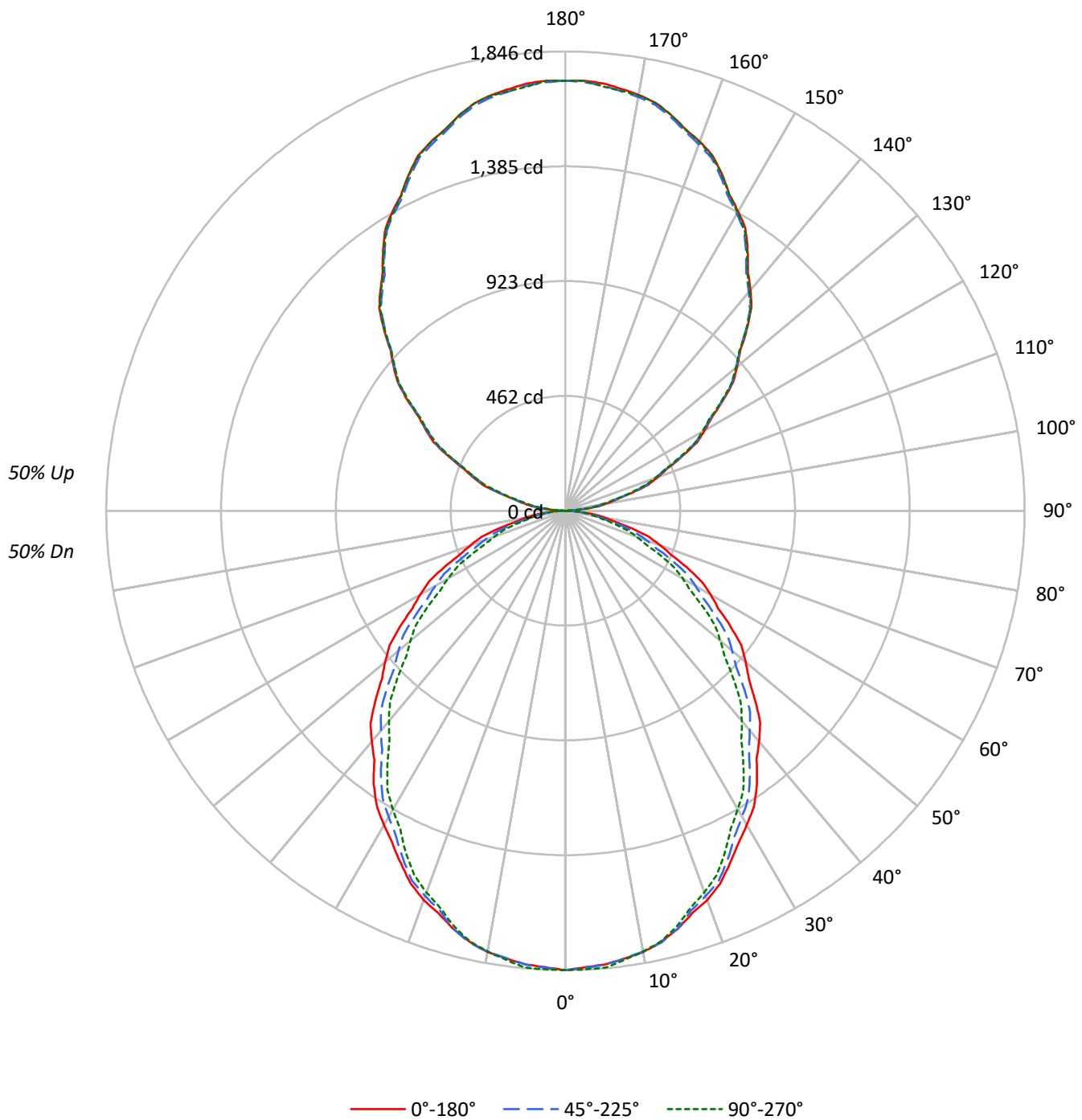
Input Watts (W): 69.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	10444	10444	10444
5°	10395	10403	10470
10°	10350	10334	10334
15°	10192	10192	10130
20°	10026	9924	9829
25°	9766	9643	9471
30°	9527	9279	9056
35°	9275	8932	8615
40°	8941	8516	8148
45°	8638	8145	7642
50°	8326	7704	7150
55°	7987	7276	6681
60°	7620	6834	6153
65°	7191	6332	5595
70°	6697	5743	4985
75°	6072	5040	4439
80°	5294	4225	3926
85°	4083	3570	3570

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 8638 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	174.2	2.0
10°-20°	489.4	5.5
20°-30°	710.7	8.0
30°-40°	807.8	9.1
40°-50°	784.2	8.8
50°-60°	662.1	7.5
60°-70°	471.1	5.3
70°-80°	251.7	2.8
80°-90°	66.5	0.7
90°-100°	73.0	0.8
100°-110°	285.8	3.2
110°-120°	509.4	5.7
120°-130°	689.3	7.8
130°-140°	792.4	8.9
140°-150°	795.2	9.0
150°-160°	683.8	7.7
160°-170°	462.9	5.2
170°-180°	163.3	1.8
0°-30°	1374.3	15.5
0°-40°	2182.1	24.6
0°-60°	3628.3	40.9
0°-90°	4417.6	49.8
90°-120°	868.2	9.8
90°-150°	3145.1	35.4
90°-180°	4455.0	50.2
0°-180°	8872.7	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1846	1846	1846	1846	1846	
5°	1830	1854	1832	1830	1844	174
15°	1740	1756	1740	1730	1730	490
25°	1564	1570	1545	1524	1517	721
35°	1343	1330	1293	1255	1247	837
45°	1080	1063	1018	969	955	833
55°	810	788	738	690	677	724
65°	537	518	473	431	418	532
75°	278	262	231	207	203	296
85°	63	58	55	55	55	75
90°	0	0	0	0	0	5
95°	70	64	57	53	54	80
105°	277	276	266	262	260	296
115°	520	522	510	509	508	515
125°	774	783	767	765	766	692
135°	1031	1042	1025	1017	1027	795
145°	1278	1288	1267	1261	1272	798
155°	1491	1504	1479	1473	1488	686
165°	1646	1660	1638	1629	1646	464
175°	1724	1740	1716	1706	1712	164
180°	1728	1728	1728	1728	1728	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1846.2	1846.2	1846.2	1846.2	1846.2
2.5°	1836.8	1855.2	1838.9	1841.1	1845.2
5°	1830.5	1853.6	1831.8	1829.5	1843.6
7.5°	1816.3	1837.4	1814.8	1809.5	1821.1
10°	1801.7	1824.7	1799.0	1792.6	1799.0
12.5°	1775.5	1799.5	1779.1	1768.5	1773.9
15°	1740.1	1755.5	1740.1	1729.6	1729.6
17.5°	1696.8	1713.0	1684.0	1676.6	1673.5
20°	1665.4	1679.5	1648.4	1637.8	1632.6
22.5°	1623.5	1636.5	1610.6	1591.6	1586.5
25°	1564.5	1569.6	1544.8	1523.7	1517.3
27.5°	1506.6	1507.9	1473.8	1448.2	1439.7
30°	1458.4	1459.6	1420.4	1392.7	1386.3
32.5°	1410.1	1406.3	1369.0	1336.1	1331.8
35°	1343.0	1330.2	1293.3	1255.1	1247.4
37.5°	1262.1	1254.4	1210.7	1172.4	1160.9
40°	1210.7	1197.9	1153.1	1114.8	1103.3
42.5°	1159.3	1144.5	1098.5	1056.1	1043.5
45°	1079.7	1063.0	1018.1	969.3	955.2
47.5°	999.5	981.3	931.9	884.6	869.0
50°	946.0	926.8	875.3	829.0	812.4
52.5°	891.5	871.3	819.7	772.5	758.9
55°	809.8	788.0	737.7	690.2	677.4
57.5°	728.0	706.5	656.5	611.6	596.2
60°	673.5	653.0	604.0	559.1	543.8
62.5°	617.9	598.5	550.6	506.8	492.4
65°	537.2	518.0	473.0	430.8	418.0
67.5°	457.3	440.9	396.5	357.7	347.5
70°	404.9	389.5	347.2	311.6	301.4
72.5°	354.6	338.2	298.0	267.7	260.5
75°	277.8	262.4	230.6	206.9	203.1
77.5°	207.6	195.0	167.5	154.0	152.0
80°	162.5	150.9	129.7	120.5	120.5
82.5°	120.5	111.1	97.2	93.3	93.3
85°	62.9	57.8	55.0	55.0	55.0
87.5°	18.9	18.9	17.8	16.8	16.8
90°	0.0	0.0	0.0	0.0	0.0
92.5°	19.1	17.0	10.6	8.5	8.5
95°	70.2	63.8	57.0	53.0	54.3
97.5°	129.6	123.4	115.0	111.1	112.1
100°	171.0	165.8	156.4	152.4	152.4
102.5°	211.3	208.2	198.8	194.9	195.9
105°	277.0	275.7	266.4	262.4	259.8
107.5°	349.7	347.3	336.9	336.6	334.3
110°	396.3	395.0	385.7	384.3	383.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	444.0	445.8	435.5	434.2	432.9
115°	519.6	522.2	510.3	508.9	507.6
117.5°	597.0	600.6	588.0	586.6	584.3
120°	646.8	654.6	638.9	637.5	636.2
122.5°	697.7	704.4	689.8	687.4	687.1
125°	774.1	783.1	767.4	764.8	766.1
127.5°	850.4	859.7	845.1	839.9	842.7
130°	901.3	911.7	896.0	890.8	894.7
132.5°	953.3	963.6	948.0	942.8	948.7
135°	1031.2	1041.6	1024.6	1016.8	1027.2
137.5°	1107.3	1116.3	1097.7	1092.4	1103.3
140°	1157.1	1166.2	1146.5	1140.2	1153.1
142.5°	1205.9	1216.0	1194.2	1187.9	1201.9
145°	1277.7	1288.1	1267.1	1260.8	1272.4
147.5°	1346.6	1357.3	1336.0	1328.6	1340.5
150°	1389.1	1400.7	1378.5	1372.1	1385.1
152.5°	1430.4	1443.1	1419.8	1412.5	1428.6
155°	1491.1	1504.1	1479.2	1472.9	1488.5
157.5°	1545.7	1557.6	1535.1	1528.8	1542.3
160°	1578.6	1591.6	1568.0	1561.7	1577.3
162.5°	1607.2	1620.2	1598.7	1590.3	1605.9
165°	1646.2	1660.5	1638.2	1629.3	1646.2
167.5°	1678.8	1694.1	1670.6	1662.5	1679.3
170°	1697.9	1712.1	1688.6	1678.4	1695.2
172.5°	1710.6	1724.9	1701.3	1691.0	1702.7
175°	1724.4	1739.9	1716.4	1706.0	1712.5
177.5°	1730.5	1742.9	1724.1	1714.9	1729.4
180°	1728.4	1728.4	1728.4	1728.4	1728.4

(END OF REPORT)