

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: P1056983

Luminaire Tested: CB2-B-055U-120D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1056983
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-119-1, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-B-055U-120D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, BATWING UPLIGHT
2-INCH APERTURE
DOWNLIGHT 1200 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: 14265.2 lumens
Efficiency: N/A
Efficacy: 112.9 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-Direct

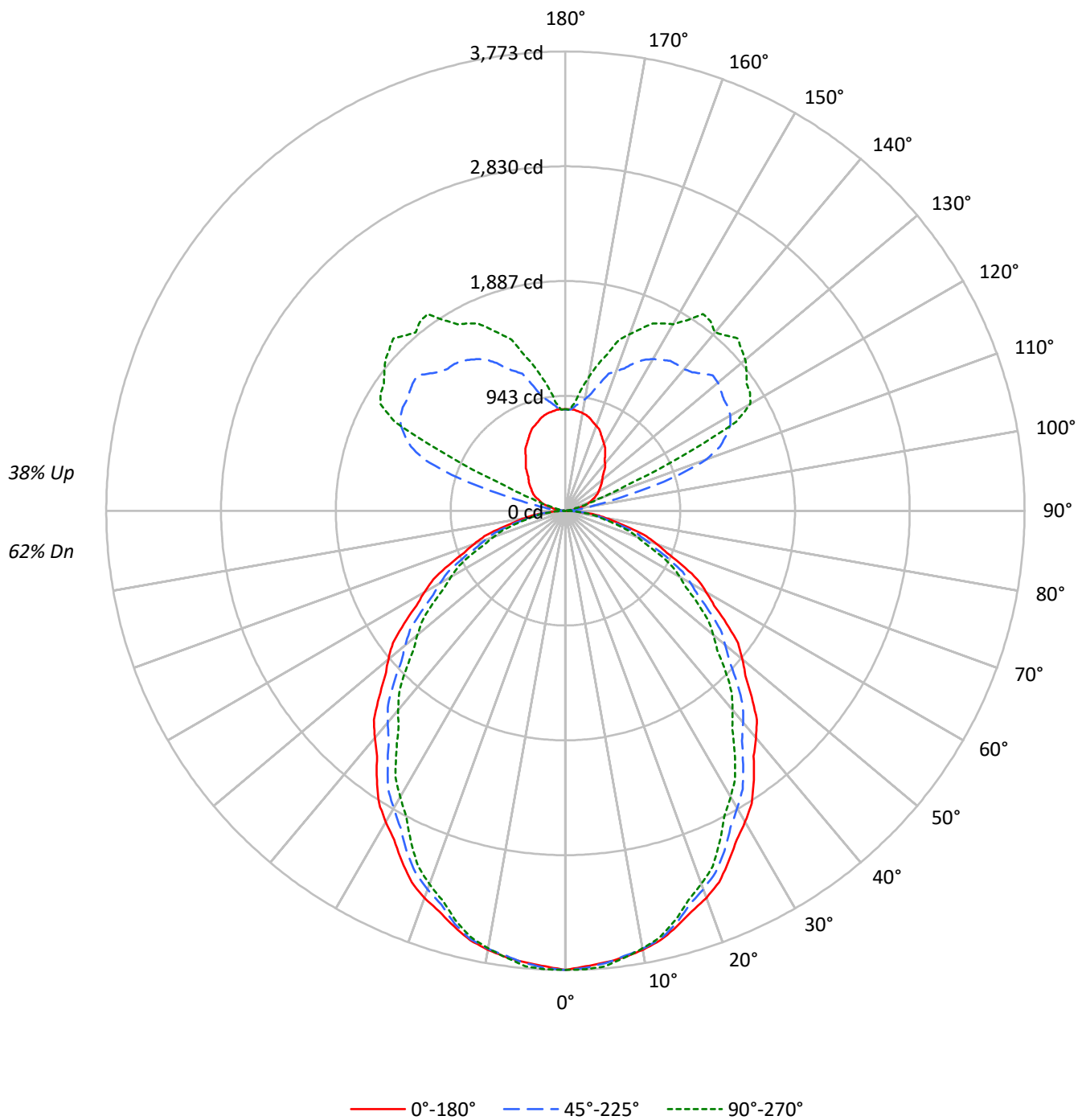
Input Watts (W): 126.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	0
RCR																		
0	110	110	110	110	103	103	103	103	90	90	90	78	78	78	67	67	67	62
1	101	96	92	89	94	90	87	84	79	77	74	69	67	65	59	58	57	52
2	92	84	78	73	86	79	74	69	70	65	62	61	58	55	53	50	48	44
3	84	74	67	61	78	70	63	58	62	57	52	54	50	47	47	44	41	38
4	77	66	58	52	72	62	55	50	55	49	45	48	44	40	42	39	36	33
5	71	59	51	45	66	56	48	43	49	43	39	43	39	35	38	34	31	28
6	65	53	45	39	61	50	43	37	45	39	34	39	35	31	35	31	28	25
7	61	48	40	34	57	46	38	33	41	35	30	36	31	28	32	28	25	22
8	56	44	36	31	53	42	34	29	37	31	27	33	28	25	29	25	22	20
9	52	40	33	27	49	38	31	26	34	28	24	30	26	22	27	23	20	18
10	49	37	30	25	46	35	28	24	32	26	22	28	24	20	25	21	18	17

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	32854	32854	32854
5°	32576	32627	32854
10°	32391	32314	32288
15°	31878	31669	31410
20°	31375	30679	30251
25°	30533	29672	28840
30°	29687	28381	27306
35°	28714	27056	25766
40°	27684	25812	24301
45°	26647	24512	22876
50°	25713	23248	21486
55°	24562	21929	20175
60°	23245	20680	18868
65°	21845	19286	17561
70°	20301	17727	15889
75°	18469	16037	14384
80°	16515	14052	13039
85°	12700	11541	9522

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 26647 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.8	2.5
10°-20°	988.9	6.9
20°-30°	1421.9	10.0
30°-40°	1598.2	11.2
40°-50°	1543.9	10.8
50°-60°	1304.5	9.1
60°-70°	937.0	6.6
70°-80°	512.1	3.6
80°-90°	136.0	1.0
90°-100°	62.3	0.4
100°-110°	386.1	2.7
110°-120°	973.7	6.8
120°-130°	1170.5	8.2
130°-140°	1061.3	7.4
140°-150°	846.3	5.9
150°-160°	577.3	4.0
160°-170°	305.3	2.1
170°-180°	85.0	0.6
0°-30°	2765.7	19.4
0°-40°	4363.9	30.6
0°-60°	7212.3	50.6
0°-90°	8797.4	61.7
90°-120°	1422.2	10.0
90°-150°	4500.3	31.5
90°-180°	5468.0	38.3
0°-180°	14265.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3773	3773	3773	3773	3773	
5°	3726	3777	3732	3733	3758	354
15°	3536	3567	3513	3478	3484	997
25°	3178	3180	3088	3018	3001	1463
35°	2701	2670	2545	2446	2424	1687
45°	2164	2118	1990	1886	1857	1672
55°	1618	1558	1444	1354	1329	1446
65°	1060	1021	936	869	852	1051
75°	549	515	477	439	428	587
85°	127	119	116	101	95	151
90°	0	0	0	0	0	6
95°	32	81	25	18	18	41
105°	158	442	638	160	108	166
115°	273	602	1456	1356	1033	267
125°	355	730	1589	1808	1818	318
135°	445	810	1592	1865	2001	346
145°	570	851	1503	1811	1973	357
155°	692	868	1338	1612	1697	319
165°	786	859	1080	1271	1331	220
175°	832	843	857	872	890	79
180°	832	832	832	832	832	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3772.6	3772.6	3772.6	3772.6	3772.6
2.5°	3747.2	3792.4	3758.8	3763.5	3770.3
5°	3726.4	3777.3	3732.2	3732.8	3758.2
7.5°	3699.8	3747.9	3691.2	3680.7	3704.5
10°	3662.9	3710.9	3654.2	3634.4	3651.3
12.5°	3614.3	3660.1	3605.7	3574.2	3588.9
15°	3535.8	3566.8	3512.6	3478.1	3483.8
17.5°	3450.3	3469.5	3391.3	3362.3	3356.7
20°	3385.5	3402.5	3310.4	3269.9	3264.2
22.5°	3302.4	3317.0	3220.3	3170.4	3162.5
25°	3177.6	3180.4	3088.0	3018.3	3001.4
27.5°	3047.0	3038.0	2935.5	2852.9	2830.9
30°	2952.2	2940.9	2822.3	2735.1	2715.4
32.5°	2850.6	2830.2	2711.3	2617.3	2597.5
35°	2700.9	2669.9	2544.9	2446.2	2423.6
37.5°	2541.5	2506.4	2383.7	2276.3	2250.9
40°	2435.2	2395.6	2270.5	2163.1	2137.6
42.5°	2328.9	2284.8	2157.3	2049.8	2022.1
45°	2163.6	2118.4	1990.3	1885.7	1857.4
47.5°	2006.5	1948.9	1824.5	1720.4	1692.2
50°	1897.9	1835.7	1715.9	1614.1	1585.9
52.5°	1786.9	1722.5	1607.3	1510.1	1481.9
55°	1617.7	1558.4	1444.3	1354.2	1328.8
57.5°	1450.1	1393.1	1288.9	1202.9	1178.0
60°	1334.6	1286.6	1187.3	1105.9	1083.3
62.5°	1223.6	1180.2	1085.6	1011.1	988.5
65°	1060.1	1020.6	935.9	869.1	852.2
67.5°	901.3	861.7	793.2	733.3	714.1
70°	797.3	757.7	696.2	640.9	624.0
72.5°	697.9	656.1	606.0	555.5	543.1
75°	548.9	515.0	476.6	438.8	427.5
77.5°	417.1	384.4	356.5	329.8	327.0
80°	329.3	301.1	280.2	262.8	260.0
82.5°	246.1	224.7	210.9	198.2	197.6
85°	127.1	118.6	115.5	101.0	95.3
87.5°	37.0	37.0	32.4	27.7	27.7
90°	0.0	0.0	0.0	0.0	0.0
92.5°	8.6	14.2	5.7	5.7	5.7
95°	32.3	81.4	25.1	17.9	17.9
97.5°	67.4	195.1	135.6	36.5	31.6
100°	93.3	282.6	233.1	53.6	43.0
102.5°	119.1	359.0	368.0	84.9	66.0
105°	157.8	441.9	638.5	160.2	107.6
107.5°	195.8	496.0	978.5	330.6	199.4
110°	218.8	527.4	1233.9	515.4	308.5

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	241.8	558.8	1374.5	826.2	532.3
115°	272.6	602.3	1456.2	1355.7	1033.0
117.5°	298.4	642.1	1526.5	1676.5	1581.8
120°	315.6	673.4	1563.9	1722.4	1754.0
122.5°	332.9	696.2	1583.9	1740.2	1799.9
125°	355.1	730.4	1589.0	1808.0	1818.5
127.5°	377.3	756.1	1612.6	1870.3	1875.2
130°	394.5	773.3	1635.6	1891.1	1929.7
132.5°	414.6	787.8	1644.2	1903.1	1961.3
135°	444.8	809.5	1592.5	1864.7	2001.4
137.5°	482.8	825.1	1543.0	1863.6	1951.9
140°	505.7	828.4	1517.2	1904.8	1911.8
142.5°	531.6	837.4	1511.5	1900.2	1960.6
145°	570.3	850.9	1502.9	1811.4	1972.7
147.5°	609.0	859.4	1469.9	1713.4	1854.4
150°	634.9	862.8	1438.3	1680.6	1768.3
152.5°	660.7	866.2	1398.1	1660.2	1733.9
155°	692.3	867.6	1337.9	1612.4	1696.6
157.5°	725.3	863.4	1265.4	1525.0	1616.9
160°	742.5	858.2	1219.5	1461.7	1542.3
162.5°	759.7	855.8	1179.3	1378.8	1473.5
165°	785.5	859.2	1079.6	1271.1	1330.7
167.5°	802.7	856.0	986.4	1143.2	1227.4
170°	814.2	856.3	929.0	1045.4	1115.5
172.5°	822.8	842.5	894.6	955.9	1003.6
175°	832.1	842.7	857.2	872.0	889.5
177.5°	835.0	840.6	829.3	826.5	832.1
180°	832.1	832.1	832.1	832.1	832.1

(END OF REPORT)