

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: P1057141

Luminaire Tested: CB3-D-055U-120D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057141
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-120D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 1200 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: 13865.8 lumens
Efficiency: N/A
Efficacy: 122.4 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: Semi-Direct

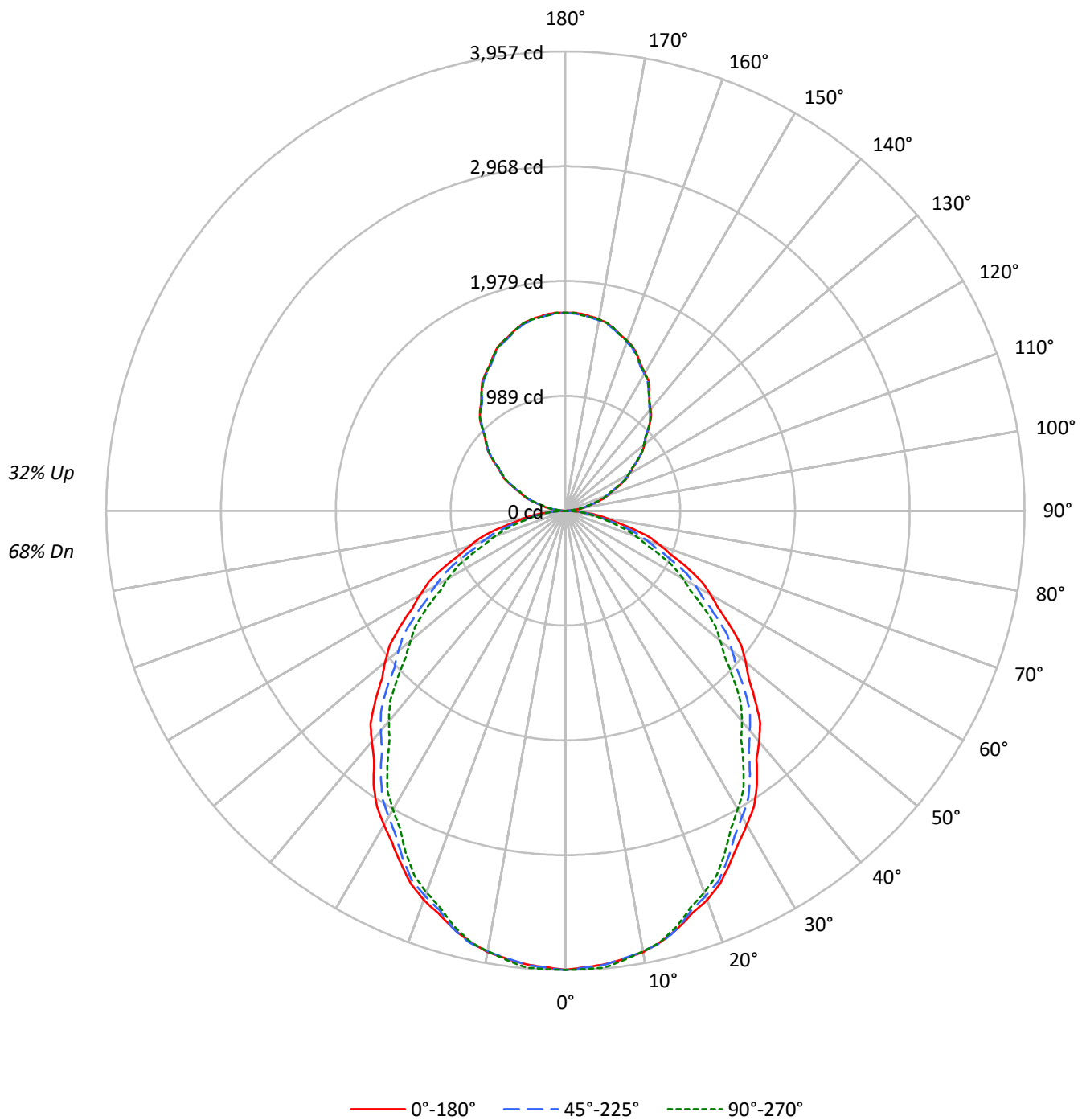
Input Watts (W): 113.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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
RCR																	
0	111	111	111	111	105	105	105	105	93	93	93	83	83	83	73	73	73
1	102	98	94	90	96	92	89	86	82	80	77	73	71	70	65	63	62
2	93	86	79	74	88	81	76	71	73	68	65	65	61	59	57	55	53
3	85	76	68	62	80	72	65	60	64	59	55	57	53	50	51	48	45
4	78	67	59	53	73	64	56	51	57	51	47	51	47	43	46	42	39
5	72	60	52	46	68	57	50	44	51	45	41	46	41	37	41	37	34
6	66	54	46	40	63	51	44	38	47	40	36	42	37	33	38	34	30
7	62	49	41	35	58	47	39	34	42	36	32	38	33	29	34	30	27
8	57	45	37	31	54	43	35	30	39	33	28	35	30	26	32	27	24
9	53	41	33	28	50	39	32	27	36	30	25	32	27	24	29	25	22
10	50	38	30	25	47	36	29	25	33	27	23	30	25	22	27	23	20

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	22384	22384	22384
5°	22278	22294	22429
10°	22180	22148	22148
15°	21840	21840	21709
20°	21486	21266	21072
25°	20937	20674	20306
30°	20424	19892	19415
35°	19886	19148	18469
40°	19169	18257	17468
45°	18519	17463	16384
50°	17851	16515	15329
55°	17123	15600	14324
60°	16337	14652	13191
65°	15418	13575	11995
70°	14357	12313	10687
75°	13016	10807	9517
80°	11347	9060	8418
85°	8750	7659	7659

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 18519 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	373.3	2.7
10°-20°	1048.8	7.6
20°-30°	1523.4	11.0
30°-40°	1731.9	12.5
40°-50°	1681.2	12.1
50°-60°	1419.4	10.2
60°-70°	1009.9	7.3
70°-80°	539.6	3.9
80°-90°	142.6	1.0
90°-100°	72.1	0.5
100°-110°	282.0	2.0
110°-120°	502.6	3.6
120°-130°	680.1	4.9
130°-140°	781.9	5.6
140°-150°	784.6	5.7
150°-160°	674.7	4.9
160°-170°	456.7	3.3
170°-180°	161.1	1.2
0°-30°	2945.5	21.2
0°-40°	4677.4	33.7
0°-60°	7778.1	56.1
0°-90°	9470.1	68.3
90°-120°	856.6	6.2
90°-150°	3103.2	22.4
90°-180°	4396.0	31.7
0°-180°	13865.8	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	3957	3957	3957	3957	3957	
5°	3923	3972	3926	3921	3950	372
15°	3729	3762	3729	3707	3707	1050
25°	3354	3365	3312	3267	3253	1546
35°	2879	2852	2773	2691	2674	1794
45°	2315	2279	2183	2078	2048	1785
55°	1736	1689	1582	1480	1452	1552
65°	1152	1111	1014	924	896	1141
75°	596	563	494	444	435	635
85°	135	124	118	118	118	160
90°	0	0	0	0	0	8
95°	69	63	56	52	54	79
105°	273	272	263	259	256	292
115°	513	515	504	502	501	508
125°	764	773	757	755	756	683
135°	1017	1028	1011	1003	1014	784
145°	1261	1271	1250	1244	1256	788
155°	1471	1484	1460	1453	1469	677
165°	1624	1638	1616	1608	1624	458
175°	1701	1717	1694	1683	1690	161
180°	1705	1705	1705	1705	1705	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	3956.6	3956.6	3956.6	3956.6	3956.6
2.5°	3936.4	3975.9	3940.9	3945.6	3954.3
5°	3922.9	3972.3	3925.7	3920.7	3949.5
7.5°	3892.5	3937.6	3889.2	3877.9	3902.7
10°	3861.1	3910.5	3855.5	3841.7	3855.5
12.5°	3804.9	3856.5	3812.8	3790.0	3801.5
15°	3729.0	3762.0	3729.0	3706.6	3706.6
17.5°	3636.3	3671.0	3608.8	3592.9	3586.6
20°	3568.9	3599.1	3532.4	3509.7	3500.2
22.5°	3479.0	3507.1	3451.5	3412.0	3401.3
25°	3354.1	3365.1	3312.0	3266.7	3253.0
27.5°	3230.0	3232.7	3159.7	3104.8	3086.7
30°	3126.6	3129.3	3045.1	2985.8	2972.1
32.5°	3023.2	3015.0	2935.0	2864.6	2855.2
35°	2879.4	2851.9	2772.6	2690.8	2674.3
37.5°	2705.8	2689.3	2595.7	2513.6	2488.9
40°	2595.7	2568.2	2472.1	2390.0	2365.3
42.5°	2485.5	2453.7	2355.2	2264.1	2237.2
45°	2314.7	2279.0	2182.7	2078.1	2047.9
47.5°	2142.8	2103.8	1997.9	1896.5	1863.0
50°	2028.2	1987.0	1876.5	1777.4	1741.7
52.5°	1911.3	1867.9	1757.4	1656.2	1627.1
55°	1736.1	1689.4	1581.6	1479.8	1452.3
57.5°	1560.8	1514.6	1407.4	1311.1	1278.2
60°	1443.9	1400.0	1295.0	1198.8	1165.8
62.5°	1324.8	1283.0	1180.4	1086.4	1055.7
65°	1151.8	1110.6	1014.1	923.6	896.1
67.5°	980.4	945.2	850.0	767.0	745.0
70°	868.0	835.1	744.4	668.1	646.1
72.5°	760.2	725.0	638.8	573.8	558.5
75°	595.5	562.6	494.4	443.7	435.4
77.5°	445.0	418.1	359.0	330.3	325.9
80°	348.3	323.6	278.1	258.4	258.4
82.5°	258.4	238.1	208.4	200.0	200.0
85°	134.8	123.9	118.0	118.0	118.0
87.5°	40.5	40.5	38.2	36.0	36.0
90°	0.0	0.0	0.0	0.0	0.0
92.5°	18.8	16.8	10.5	8.4	8.4
95°	69.3	62.9	56.2	52.3	53.6
97.5°	127.9	121.8	113.5	109.6	110.6
100°	168.7	163.6	154.3	150.4	150.4
102.5°	208.5	205.4	196.2	192.3	193.3
105°	273.3	272.0	262.9	258.9	256.3
107.5°	345.0	342.7	332.4	332.1	329.8
110°	391.0	389.7	380.6	379.2	377.9

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	438.1	439.9	429.7	428.4	427.1
115°	512.6	515.2	503.5	502.2	500.9
117.5°	589.0	592.6	580.1	578.8	576.5
120°	638.2	645.9	630.3	629.0	627.7
122.5°	688.4	695.1	680.6	678.2	677.9
125°	763.7	772.7	757.2	754.6	755.9
127.5°	839.1	848.3	833.8	828.7	831.5
130°	889.3	899.5	884.1	878.9	882.7
132.5°	940.5	950.8	935.3	930.2	936.1
135°	1017.4	1027.7	1010.9	1003.3	1013.5
137.5°	1092.5	1101.5	1083.1	1077.8	1088.6
140°	1141.7	1150.6	1131.2	1125.0	1137.8
142.5°	1189.8	1199.8	1178.3	1172.1	1185.9
145°	1260.7	1270.9	1250.2	1244.0	1255.5
147.5°	1328.7	1339.2	1318.2	1310.9	1322.7
150°	1370.5	1382.1	1360.1	1353.8	1366.6
152.5°	1411.3	1423.9	1400.9	1393.7	1409.5
155°	1471.2	1484.0	1459.5	1453.3	1468.6
157.5°	1525.1	1536.9	1514.7	1508.4	1521.7
160°	1557.6	1570.3	1547.1	1540.9	1556.2
162.5°	1585.8	1598.6	1577.4	1569.1	1584.5
165°	1624.2	1638.3	1616.4	1607.6	1624.2
167.5°	1656.4	1671.5	1648.3	1640.3	1656.9
170°	1675.3	1689.3	1666.1	1656.0	1672.6
172.5°	1687.8	1701.9	1678.7	1668.5	1680.0
175°	1701.4	1716.8	1693.6	1683.2	1689.6
177.5°	1707.4	1719.7	1701.1	1692.1	1706.4
180°	1705.3	1705.3	1705.3	1705.3	1705.3

(END OF REPORT)