

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: P1057138

Luminaire Tested: CB3-D-055U-085D-840-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057138
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-085D-840-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 850 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: 11048.4 lumens
Efficiency: N/A
Efficacy: 124.8 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

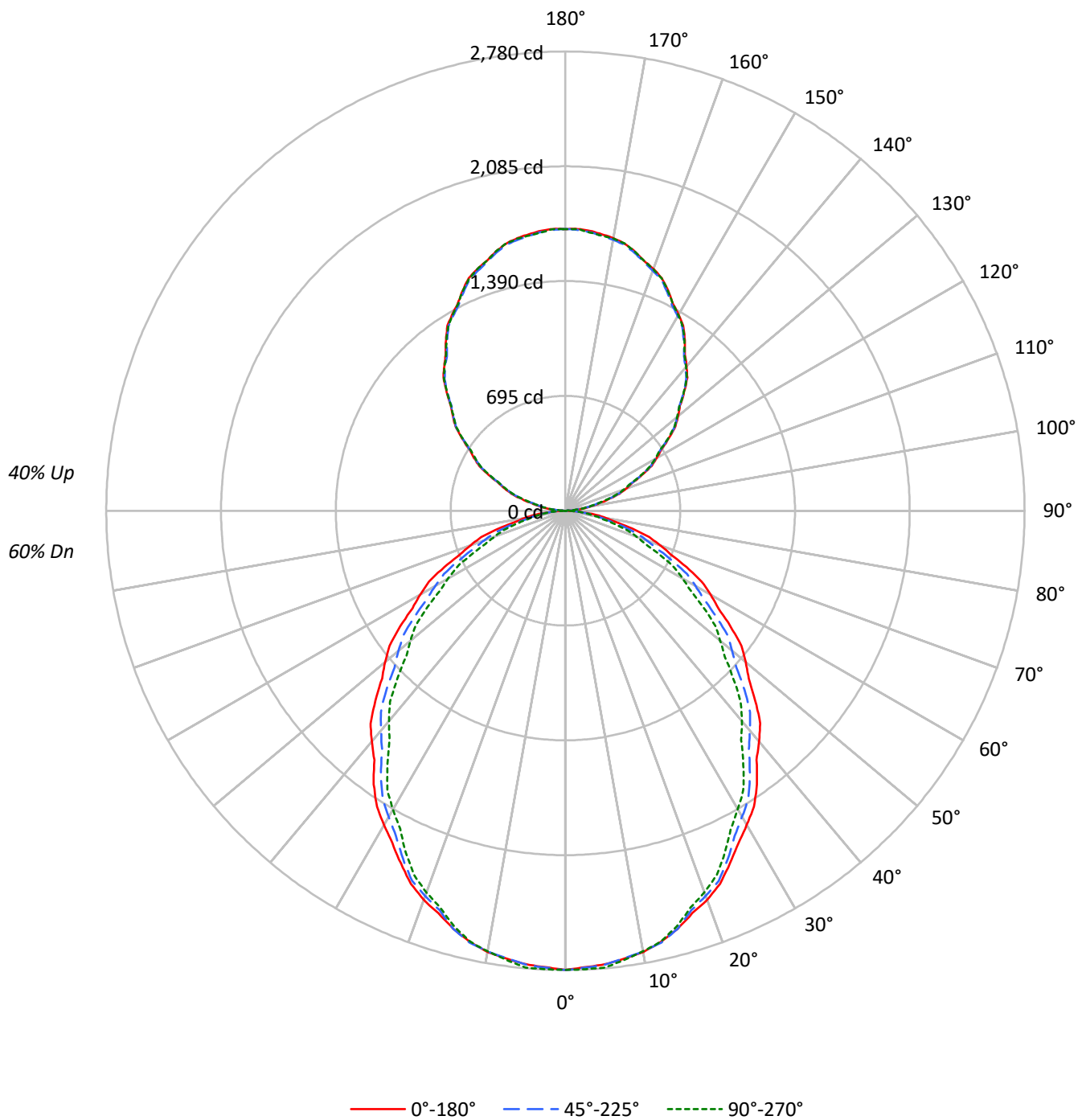
Input Watts (W): 88.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	110	110	110	110	102	102	102	102	89	89	89	77	77	77	66	66	66
1	100	96	92	89	94	90	87	83	78	76	74	68	66	64	58	57	56
2	92	84	78	73	85	79	73	69	69	65	61	60	57	54	52	49	47
3	84	74	67	61	78	70	63	58	61	56	52	53	49	46	46	43	41
4	77	66	58	52	71	62	55	49	54	49	44	48	43	40	41	38	35
5	70	59	51	45	66	55	48	43	49	43	38	43	38	35	37	34	31
6	65	53	45	39	61	50	42	37	44	38	34	39	34	30	34	30	27
7	60	48	40	34	56	45	38	33	40	34	30	35	31	27	31	27	24
8	56	44	36	30	52	41	34	29	37	31	27	32	28	24	28	25	22
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	26	23	20
10	49	37	29	25	46	35	28	24	31	26	22	28	23	20	24	21	18

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	15726	15726	15726
5°	15652	15663	15760
10°	15583	15560	15560
15°	15344	15344	15252
20°	15095	14941	14803
25°	14708	14523	14264
30°	14347	13974	13638
35°	13969	13451	12974
40°	13466	12824	12271
45°	13009	12267	11510
50°	12539	11602	10768
55°	12028	10958	10062
60°	11476	10293	9266
65°	10831	9536	8427
70°	10087	8649	7508
75°	9143	7591	6686
80°	7972	6366	5913
85°	6147	5381	5381

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13009 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.3	2.4
10°-20°	736.9	6.7
20°-30°	1070.2	9.7
30°-40°	1216.6	11.0
40°-50°	1181.0	10.7
50°-60°	997.1	9.0
60°-70°	709.4	6.4
70°-80°	379.0	3.4
80°-90°	100.1	0.9
90°-100°	72.1	0.7
100°-110°	282.0	2.6
110°-120°	502.6	4.5
120°-130°	680.1	6.2
130°-140°	781.9	7.1
140°-150°	784.6	7.1
150°-160°	674.7	6.1
160°-170°	456.7	4.1
170°-180°	161.1	1.5
0°-30°	2069.3	18.7
0°-40°	3285.9	29.7
0°-60°	5464.0	49.5
0°-90°	6652.6	60.2
90°-120°	856.6	7.8
90°-150°	3103.2	28.1
90°-180°	4396.0	39.8
0°-180°	11048.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2780	2780	2780	2780	2780	
5°	2756	2791	2758	2755	2775	262
15°	2620	2643	2620	2604	2604	738
25°	2356	2364	2327	2295	2285	1086
35°	2023	2003	1948	1890	1879	1260
45°	1626	1601	1533	1460	1439	1254
55°	1220	1187	1111	1040	1020	1090
65°	809	780	712	649	630	801
75°	418	395	347	312	306	446
85°	95	87	83	83	83	112
90°	0	0	0	0	0	6
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°	2779.8	2779.8	2779.8	2779.8	2779.8
2.5°	2765.6	2793.3	2768.7	2772.0	2778.2
5°	2756.1	2790.8	2758.1	2754.6	2775.2
7.5°	2734.8	2766.4	2732.4	2724.5	2741.9
10°	2712.7	2747.4	2708.7	2699.1	2708.7
12.5°	2673.2	2709.5	2678.7	2662.7	2670.8
15°	2619.9	2643.1	2619.9	2604.1	2604.1
17.5°	2554.8	2579.1	2535.5	2524.3	2519.8
20°	2507.4	2528.7	2481.8	2465.8	2458.8
22.5°	2444.3	2464.0	2425.0	2396.9	2389.3
25°	2356.2	2363.9	2326.6	2294.8	2285.1
27.5°	2268.9	2270.9	2219.6	2181.0	2168.3
30°	2196.3	2198.3	2139.1	2097.4	2087.8
32.5°	2123.7	2117.9	2061.7	2012.3	2005.7
35°	2022.7	2003.4	1947.7	1890.2	1878.6
37.5°	1900.7	1889.1	1823.4	1765.7	1748.4
40°	1823.4	1804.1	1736.5	1678.9	1661.6
42.5°	1746.0	1723.6	1654.4	1590.5	1571.6
45°	1626.0	1600.9	1533.3	1459.8	1438.6
47.5°	1505.3	1477.9	1403.4	1332.3	1308.7
50°	1424.7	1395.8	1318.2	1248.6	1223.5
52.5°	1342.7	1312.2	1234.5	1163.4	1143.0
55°	1219.5	1186.7	1111.0	1039.5	1020.2
57.5°	1096.4	1064.0	988.6	921.0	897.9
60°	1014.3	983.4	909.7	842.1	818.9
62.5°	930.6	901.3	829.2	763.2	741.6
65°	809.1	780.1	712.4	648.8	629.5
67.5°	688.7	664.0	597.1	538.8	523.3
70°	609.8	586.6	522.9	469.3	453.9
72.5°	534.0	509.3	448.7	403.1	392.3
75°	418.3	395.2	347.3	311.7	305.9
77.5°	312.6	293.7	252.2	232.0	228.9
80°	244.7	227.3	195.4	181.5	181.5
82.5°	181.5	167.3	146.4	140.5	140.5
85°	94.7	87.0	82.9	82.9	82.9
87.5°	28.4	28.4	26.8	25.3	25.3
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)