

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: P1057135

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

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057135
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-840-1D-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: 4000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8754.4 lumens
Efficiency: N/A
Efficacy: 126.5 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

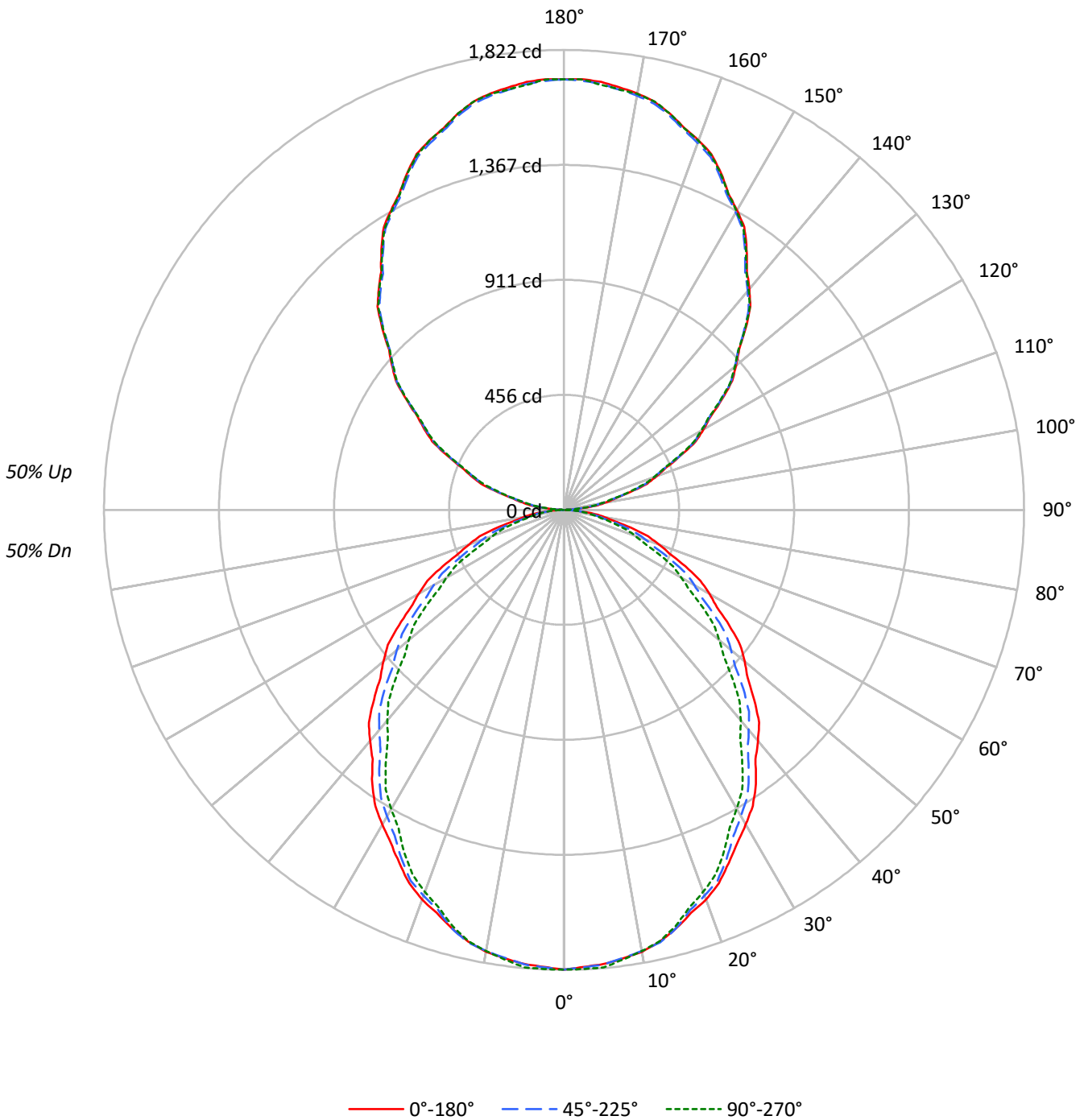
Input Watts (W): 69.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20				
RC	80					70					50					30				
RW	70	50	30	10	70	50	30	10	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	50		
1	98	94	90	86	90	87	83	80	73	71	69	61	59	58	50	49	48	42		
2	89	82	76	71	82	76	71	66	64	61	57	54	51	49	44	42	40	36		
3	82	72	65	59	75	67	61	56	57	52	48	48	44	41	39	37	35	30		
4	75	64	56	50	69	59	53	47	51	45	41	43	39	36	35	32	30	26		
5	69	57	49	43	63	53	46	41	45	40	36	38	34	31	32	29	26	23		
6	63	51	43	37	58	48	41	35	41	35	31	35	30	27	29	26	23	20		
7	59	46	38	33	54	43	36	31	37	32	28	32	27	24	26	23	21	18		
8	54	42	34	29	50	39	32	28	34	28	25	29	25	21	24	21	19	16		
9	51	38	31	26	47	36	29	25	31	26	22	27	22	19	22	19	17	15		
10	47	35	28	23	44	33	27	22	29	23	20	25	20	18	21	18	15	13		

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	10305	10305	10305
5°	10257	10264	10330
10°	10212	10197	10197
15°	10056	10056	9995
20°	9893	9792	9698
25°	9635	9514	9345
30°	9400	9155	8935
35°	9152	8812	8500
40°	8822	8402	8039
45°	8523	8037	7541
50°	8215	7601	7055
55°	7881	7179	6593
60°	7519	6743	6070
65°	7096	6247	5521
70°	6608	5667	4918
75°	5991	4973	4380
80°	5222	4170	3874
85°	4031	3525	3525

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
 Vertical Angle: 45°
 Luminance: 8523 cd/sqm



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	171.9	2.0
10°-20°	482.9	5.5
20°-30°	701.2	8.0
30°-40°	797.0	9.1
40°-50°	773.7	8.8
50°-60°	653.3	7.5
60°-70°	464.8	5.3
70°-80°	248.3	2.8
80°-90°	65.6	0.7
90°-100°	72.1	0.8
100°-110°	282.0	3.2
110°-120°	502.6	5.7
120°-130°	680.1	7.8
130°-140°	781.9	8.9
140°-150°	784.6	9.0
150°-160°	674.7	7.7
160°-170°	456.7	5.2
170°-180°	161.1	1.8
0°-30°	1355.9	15.5
0°-40°	2153.0	24.6
0°-60°	3580.0	40.9
0°-90°	4358.7	49.8
90°-120°	856.6	9.8
90°-150°	3103.2	35.4
90°-180°	4396.0	50.2
0°-180°	8754.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1822	1822	1822	1822	1822	
5°	1806	1829	1807	1805	1819	171
15°	1717	1732	1717	1706	1706	484
25°	1544	1549	1524	1503	1497	711
35°	1325	1312	1276	1238	1231	826
45°	1065	1049	1004	956	942	822
55°	799	778	728	681	668	714
65°	530	511	467	425	412	525
75°	274	259	228	204	200	292
85°	62	57	54	54	54	74
90°	0	0	0	0	0	5
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°	1821.6	1821.6	1821.6	1821.6	1821.6
2.5°	1812.3	1830.5	1814.4	1816.5	1820.6
5°	1806.1	1828.8	1807.4	1805.1	1819.0
7.5°	1792.1	1812.9	1790.6	1785.4	1796.8
10°	1777.6	1800.4	1775.1	1768.7	1775.1
12.5°	1751.8	1775.6	1755.4	1744.9	1750.2
15°	1716.9	1732.1	1716.9	1706.5	1706.5
17.5°	1674.2	1690.2	1661.6	1654.2	1651.2
20°	1643.2	1657.1	1626.4	1615.9	1610.9
22.5°	1601.8	1614.7	1589.2	1570.4	1565.4
25°	1543.6	1548.7	1524.2	1503.4	1497.1
27.5°	1486.5	1487.8	1454.2	1428.9	1420.6
30°	1438.9	1440.2	1401.4	1374.1	1367.8
32.5°	1391.3	1387.5	1350.7	1318.3	1314.0
35°	1325.1	1312.5	1276.0	1238.4	1230.8
37.5°	1245.2	1237.7	1194.6	1156.8	1145.4
40°	1194.6	1181.9	1137.7	1099.9	1088.6
42.5°	1143.9	1129.2	1083.9	1042.0	1029.6
45°	1065.3	1048.9	1004.5	956.4	942.5
47.5°	986.2	968.2	919.5	872.8	857.4
50°	933.4	914.5	863.6	818.0	801.6
52.5°	879.6	859.7	808.8	762.2	748.8
55°	799.0	777.5	727.9	681.0	668.4
57.5°	718.3	697.1	647.7	603.4	588.2
60°	664.5	644.3	596.0	551.7	536.5
62.5°	609.7	590.5	543.2	500.0	485.8
65°	530.1	511.1	466.7	425.1	412.4
67.5°	451.2	435.0	391.2	353.0	342.9
70°	399.5	384.3	342.6	307.5	297.3
72.5°	349.8	333.7	294.0	264.1	257.0
75°	274.1	258.9	227.5	204.2	200.4
77.5°	204.8	192.4	165.2	152.0	150.0
80°	160.3	148.9	128.0	118.9	118.9
82.5°	118.9	109.6	95.9	92.0	92.0
85°	62.1	57.0	54.3	54.3	54.3
87.5°	18.6	18.6	17.6	16.5	16.5
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)