

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: P1057023

Luminaire Tested: CB2-D-055U-030D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057023
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2312-242-13, G2-2312-242-18)
Test Lab: INNOVATION CENTER
Issue Date: 7/31/2025
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: CORELITE
Catalog Number: CB2-D-055U-030D-835-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
2-INCH APERTURE
DOWNLIGHT 300 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: 6768.0 lumens
Efficiency: N/A
Efficacy: 120.2 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-Indirect

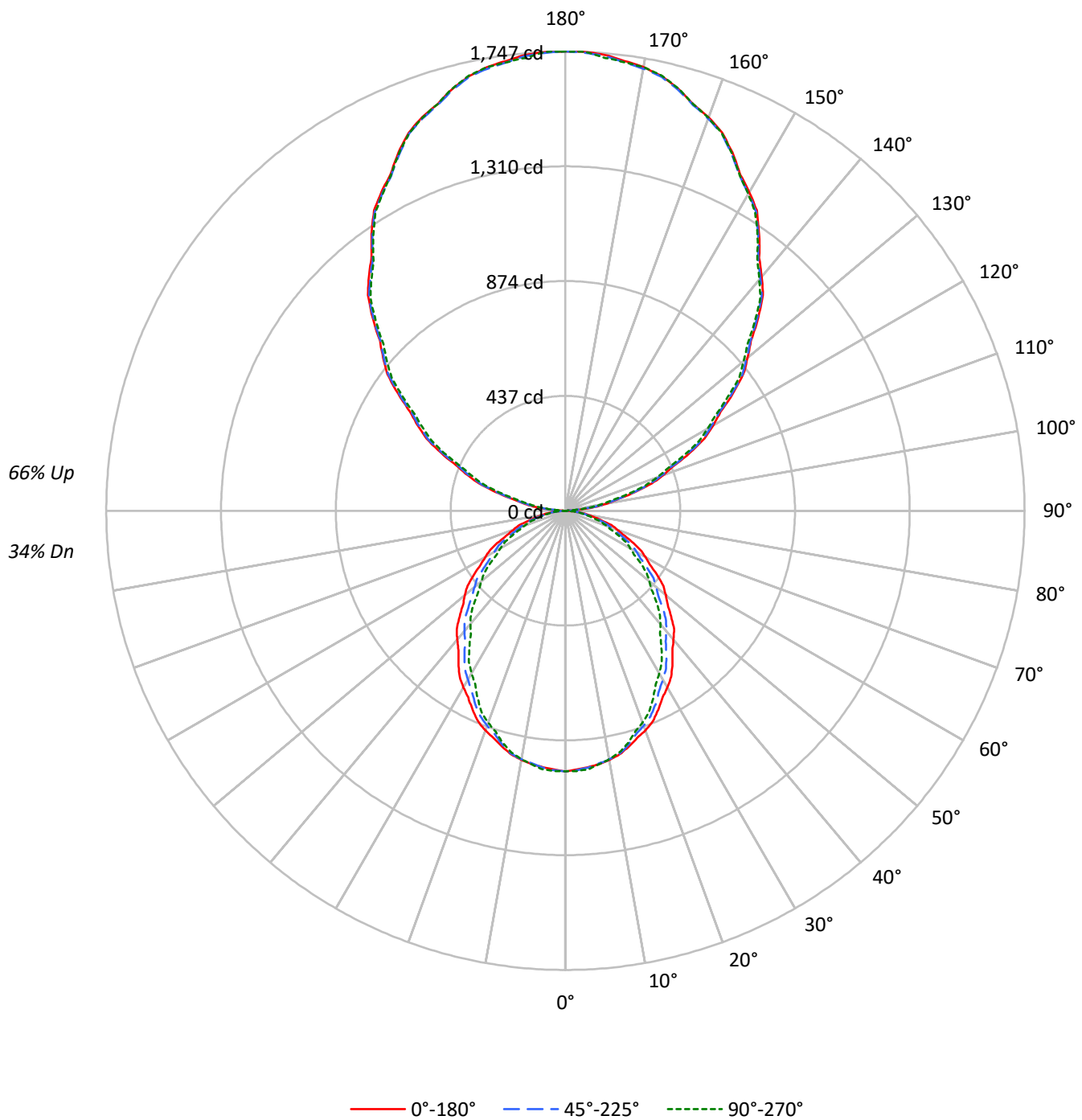
Input Watts (W): 56.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	103	103	103	103	93	93	93	93	75	75	75	57	57	57	42	42	42
1	94	90	86	83	85	82	78	76	65	63	61	51	49	48	37	36	35
2	86	79	73	68	77	71	66	62	57	54	51	45	42	40	33	31	30
3	78	69	62	57	71	63	57	52	51	46	43	39	37	34	29	27	26
4	72	61	54	48	65	56	49	44	45	40	37	35	32	29	26	24	22
5	66	55	47	41	59	50	43	38	40	35	32	32	28	25	23	21	19
6	61	49	41	36	55	45	38	33	36	31	27	29	25	22	21	19	17
7	56	44	36	31	50	40	34	29	33	28	24	26	22	20	19	17	15
8	52	40	33	27	47	37	30	25	30	25	21	24	20	18	18	15	14
9	48	36	29	24	44	33	27	23	27	23	19	22	18	16	17	14	12
10	45	33	26	22	41	31	24	20	25	20	17	20	17	14	15	13	11

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	8636	8636	8636
5°	8562	8576	8635
10°	8513	8494	8487
15°	8378	8323	8256
20°	8246	8064	7952
25°	8025	7799	7581
30°	7803	7459	7177
35°	7547	7111	6772
40°	7276	6785	6387
45°	7004	6442	6013
50°	6758	6110	5647
55°	6456	5764	5303
60°	6110	5436	4959
65°	5741	5069	4616
70°	5337	4660	4176
75°	4855	4216	3782
80°	4343	3691	3425
85°	3337	3038	2508

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 7004 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.2	1.4
10°-20°	259.9	3.8
20°-30°	373.7	5.5
30°-40°	420.1	6.2
40°-50°	405.8	6.0
50°-60°	342.9	5.1
60°-70°	246.3	3.6
70°-80°	134.6	2.0
80°-90°	35.8	0.5
90°-100°	67.5	1.0
100°-110°	278.4	4.1
110°-120°	505.3	7.5
120°-130°	687.6	10.2
130°-140°	793.8	11.7
140°-150°	799.9	11.8
150°-160°	690.3	10.2
160°-170°	467.9	6.9
170°-180°	165.0	2.4
0°-30°	726.9	10.7
0°-40°	1147.0	16.9
0°-60°	1895.6	28.0
0°-90°	2312.4	34.2
90°-120°	851.2	12.6
90°-150°	3132.5	46.3
90°-180°	4456.0	65.8
0°-180°	6768.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	992	992	992	992	992	
5°	979	993	981	981	988	93
15°	929	938	923	914	916	262
25°	835	836	812	793	789	384
35°	710	702	669	643	637	443
45°	569	557	523	496	488	439
55°	425	410	380	356	349	380
65°	279	268	246	228	224	276
75°	144	135	125	115	112	154
85°	33	31	30	26	25	40
90°	0	0	1	0	1	4
95°	65	57	54	42	42	76
105°	275	271	264	249	247	292
115°	523	522	512	497	496	516
125°	778	786	770	754	755	695
135°	1037	1049	1032	1013	1019	799
145°	1285	1300	1280	1265	1274	803
155°	1503	1518	1496	1487	1499	691
165°	1661	1679	1657	1648	1663	468
175°	1740	1759	1736	1725	1729	165
180°	1747	1747	1747	1747	1747	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	991.6	991.6	991.6	991.6	991.6
2.5°	984.9	996.8	987.9	989.2	991.0
5°	979.4	992.8	981.0	981.1	987.8
7.5°	972.4	985.1	970.2	967.4	973.7
10°	962.7	975.3	960.5	955.2	959.7
12.5°	950.0	962.0	947.7	939.4	943.3
15°	929.3	937.5	923.2	914.2	915.7
17.5°	906.8	911.9	891.4	883.7	882.2
20°	889.8	894.3	870.1	859.4	858.0
22.5°	868.0	871.8	846.4	833.3	831.2
25°	835.2	835.9	811.6	793.3	788.9
27.5°	800.9	798.5	771.5	749.9	744.1
30°	776.0	773.0	741.8	718.9	713.7
32.5°	749.2	743.9	712.6	687.9	682.7
35°	709.9	701.7	668.9	642.9	637.0
37.5°	668.0	658.8	626.5	598.3	591.6
40°	640.0	629.7	596.8	568.5	561.8
42.5°	612.1	600.5	567.0	538.8	531.5
45°	568.7	556.8	523.1	495.6	488.2
47.5°	527.4	512.2	479.5	452.2	444.8
50°	498.8	482.5	451.0	424.3	416.8
52.5°	469.7	452.7	422.4	396.9	389.5
55°	425.2	409.6	379.6	355.9	349.3
57.5°	381.1	366.1	338.8	316.2	309.6
60°	350.8	338.2	312.1	290.7	284.7
62.5°	321.6	310.2	285.3	265.8	259.8
65°	278.6	268.3	246.0	228.4	224.0
67.5°	236.9	226.5	208.5	192.7	187.7
70°	209.6	199.2	183.0	168.5	164.0
72.5°	183.4	172.4	159.3	146.0	142.7
75°	144.3	135.3	125.3	115.3	112.4
77.5°	109.6	101.0	93.7	86.7	85.9
80°	86.6	79.1	73.6	69.1	68.3
82.5°	64.7	59.0	55.4	52.1	51.9
85°	33.4	31.2	30.4	26.5	25.1
87.5°	9.7	9.7	8.8	7.3	7.6
90°	0.0	0.0	1.4	0.0	1.4
92.5°	16.4	14.2	13.4	8.8	10.1
95°	65.4	57.4	54.5	42.2	42.2
97.5°	123.5	115.5	111.2	98.6	95.9
100°	164.9	156.9	152.6	138.9	136.3
102.5°	207.4	203.7	196.2	181.5	178.8
105°	275.3	271.3	264.4	249.3	246.7
107.5°	345.1	345.9	335.5	323.2	319.4
110°	395.2	393.9	385.7	373.3	370.7

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	446.5	444.1	435.8	423.5	420.8
115°	523.3	522.0	512.4	497.4	496.1
117.5°	596.4	600.6	589.3	573.5	572.9
120°	648.7	654.0	640.5	626.8	624.2
122.5°	699.9	706.3	692.8	677.0	677.6
125°	778.2	786.1	770.0	753.7	755.0
127.5°	853.7	863.5	848.5	831.9	833.5
130°	904.9	916.9	900.8	883.1	885.8
132.5°	957.2	969.2	953.1	934.4	939.2
135°	1037.1	1049.1	1031.6	1012.7	1019.4
137.5°	1112.3	1124.3	1105.2	1089.3	1097.3
140°	1162.5	1174.5	1154.3	1139.5	1147.5
142.5°	1211.5	1225.6	1204.4	1188.6	1198.7
145°	1285.1	1299.8	1279.7	1264.9	1274.2
147.5°	1354.9	1369.5	1349.2	1334.9	1344.5
150°	1399.6	1414.2	1392.8	1380.8	1391.4
152.5°	1441.0	1457.8	1435.3	1423.3	1437.2
155°	1503.2	1517.8	1496.3	1487.1	1499.1
157.5°	1557.1	1574.2	1552.8	1544.8	1554.4
160°	1593.1	1609.1	1587.7	1579.7	1590.4
162.5°	1620.4	1637.4	1617.1	1608.1	1620.9
165°	1661.2	1678.6	1657.2	1647.9	1662.6
167.5°	1693.4	1711.8	1690.1	1680.7	1695.6
170°	1713.0	1730.4	1707.6	1697.0	1713.0
172.5°	1726.1	1744.5	1720.7	1710.0	1720.7
175°	1740.3	1758.9	1736.2	1725.4	1729.4
177.5°	1747.1	1762.0	1743.8	1734.3	1747.1
180°	1747.1	1747.1	1747.1	1747.1	1747.1

(END OF REPORT)