

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: P1057137

Luminaire Tested: CB3-D-055U-085D-835-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057137
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-835-1D-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: 3500K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11197.6 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: Semi-Direct

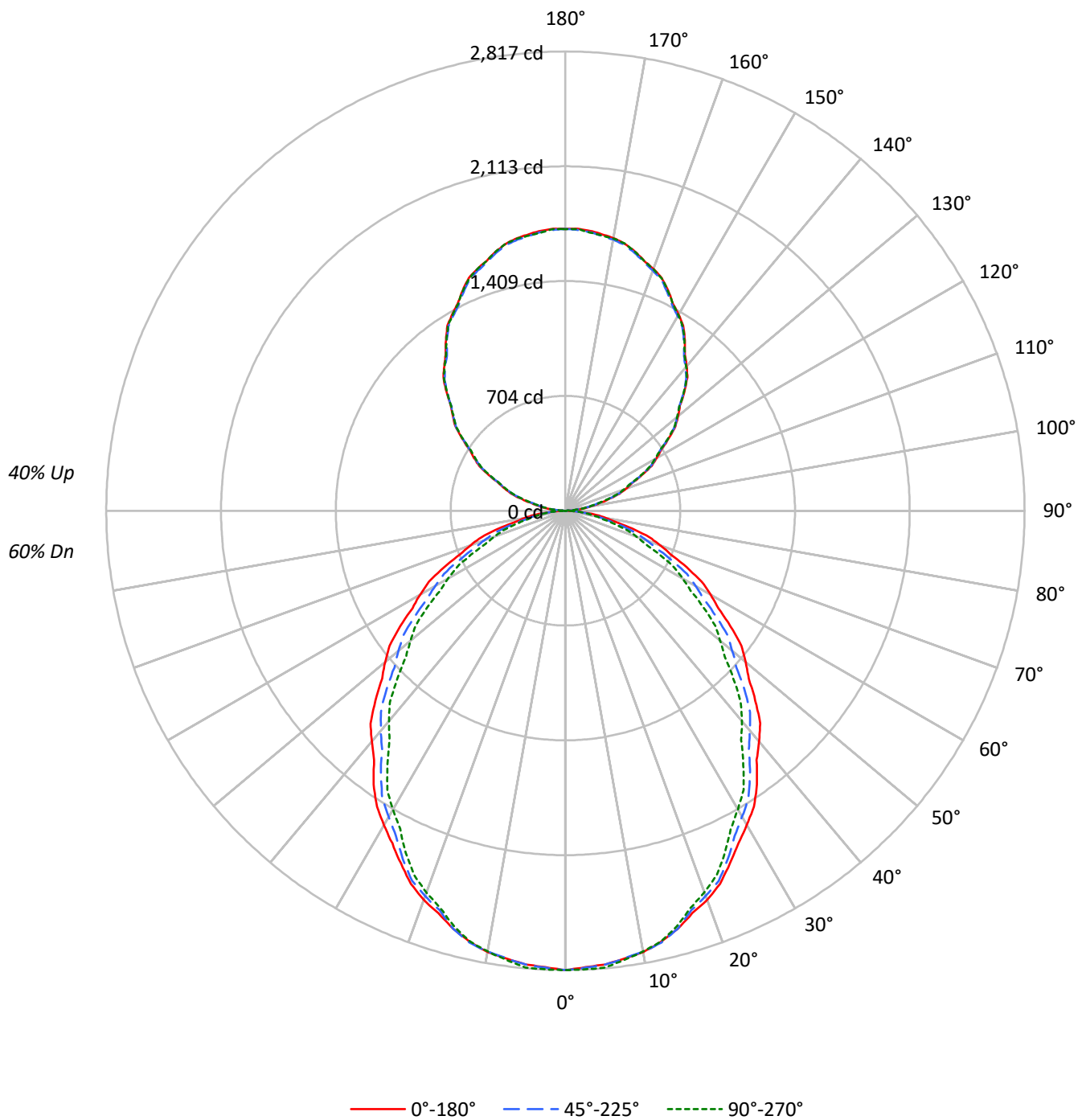
Input Watts (W): 88.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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°	15938	15938	15938
5°	15863	15874	15972
10°	15794	15771	15771
15°	15552	15552	15458
20°	15300	15143	15003
25°	14906	14719	14457
30°	14541	14162	13823
35°	14158	13633	13150
40°	13648	12998	12436
45°	13185	12433	11665
50°	12709	11758	10913
55°	12191	11106	10199
60°	11631	10432	9391
65°	10977	9665	8540
70°	10222	8767	7609
75°	9268	7694	6776
80°	8080	6451	5995
85°	6231	5452	5452

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 13185 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	265.8	2.4
10°-20°	746.8	6.7
20°-30°	1084.7	9.7
30°-40°	1233.0	11.0
40°-50°	1197.0	10.7
50°-60°	1010.6	9.0
60°-70°	719.0	6.4
70°-80°	384.2	3.4
80°-90°	101.5	0.9
90°-100°	73.0	0.7
100°-110°	285.8	2.6
110°-120°	509.4	4.5
120°-130°	689.3	6.2
130°-140°	792.4	7.1
140°-150°	795.2	7.1
150°-160°	683.8	6.1
160°-170°	462.9	4.1
170°-180°	163.3	1.5
0°-30°	2097.3	18.7
0°-40°	3330.3	29.7
0°-60°	5537.9	49.5
0°-90°	6742.5	60.2
90°-120°	868.2	7.8
90°-150°	3145.1	28.1
90°-180°	4455.0	39.8
0°-180°	11197.6	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2817	2817	2817	2817	2817	
5°	2793	2828	2795	2792	2813	265
15°	2655	2679	2655	2639	2639	748
25°	2388	2396	2358	2326	2316	1100
35°	2050	2030	1974	1916	1904	1277
45°	1648	1623	1554	1480	1458	1271
55°	1236	1203	1126	1054	1034	1105
65°	820	791	722	658	638	812
75°	424	400	352	316	310	452
85°	96	88	84	84	84	114
90°	0	0	0	0	0	7
95°	70	64	57	53	54	80
105°	277	276	266	262	260	296
115°	520	522	510	509	508	515
125°	774	783	767	765	766	692
135°	1031	1042	1025	1017	1027	795
145°	1278	1288	1267	1261	1272	798
155°	1491	1504	1479	1473	1488	686
165°	1646	1660	1638	1629	1646	464
175°	1724	1740	1716	1706	1712	164
180°	1728	1728	1728	1728	1728	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2817.3	2817.3	2817.3	2817.3	2817.3
2.5°	2802.9	2831.1	2806.1	2809.5	2815.7
5°	2793.3	2828.5	2795.3	2791.8	2812.6
7.5°	2771.7	2803.8	2769.3	2761.3	2778.9
10°	2749.3	2784.5	2745.3	2735.5	2745.3
12.5°	2709.3	2746.1	2714.9	2698.7	2706.9
15°	2655.3	2678.8	2655.3	2639.3	2639.3
17.5°	2589.3	2614.0	2569.7	2558.4	2553.9
20°	2541.3	2562.8	2515.3	2499.2	2492.0
22.5°	2477.3	2497.3	2457.7	2429.3	2421.6
25°	2388.0	2395.8	2358.0	2325.8	2316.0
27.5°	2299.6	2301.6	2249.6	2210.5	2197.6
30°	2226.0	2228.0	2168.0	2125.8	2116.0
32.5°	2152.4	2146.5	2089.6	2039.4	2032.8
35°	2050.0	2030.4	1974.0	1915.7	1904.0
37.5°	1926.4	1914.7	1848.0	1789.6	1772.0
40°	1848.0	1828.4	1760.0	1701.6	1684.0
42.5°	1769.6	1746.9	1676.8	1612.0	1592.8
45°	1648.0	1622.6	1554.0	1479.5	1458.0
47.5°	1525.6	1497.8	1422.4	1350.3	1326.4
50°	1444.0	1414.7	1336.0	1265.4	1240.0
52.5°	1360.8	1329.9	1251.2	1179.1	1158.4
55°	1236.0	1202.8	1126.0	1053.6	1034.0
57.5°	1111.2	1078.3	1002.0	933.5	910.0
60°	1028.0	996.7	922.0	853.5	830.0
62.5°	943.2	913.5	840.4	773.5	751.6
65°	820.0	790.7	722.0	657.6	638.0
67.5°	698.0	673.0	605.2	546.0	530.4
70°	618.0	594.5	530.0	475.6	460.0
72.5°	541.2	516.2	454.8	408.6	397.6
75°	424.0	400.5	352.0	315.9	310.0
77.5°	316.8	297.6	255.6	235.1	232.0
80°	248.0	230.4	198.0	184.0	184.0
82.5°	184.0	169.5	148.4	142.4	142.4
85°	96.0	88.2	84.0	84.0	84.0
87.5°	28.8	28.8	27.2	25.6	25.6
90°	0.0	0.0	0.0	0.0	0.0
92.5°	19.1	17.0	10.6	8.5	8.5
95°	70.2	63.8	57.0	53.0	54.3
97.5°	129.6	123.4	115.0	111.1	112.1
100°	171.0	165.8	156.4	152.4	152.4
102.5°	211.3	208.2	198.8	194.9	195.9
105°	277.0	275.7	266.4	262.4	259.8
107.5°	349.7	347.3	336.9	336.6	334.3
110°	396.3	395.0	385.7	384.3	383.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	444.0	445.8	435.5	434.2	432.9
115°	519.6	522.2	510.3	508.9	507.6
117.5°	597.0	600.6	588.0	586.6	584.3
120°	646.8	654.6	638.9	637.5	636.2
122.5°	697.7	704.4	689.8	687.4	687.1
125°	774.1	783.1	767.4	764.8	766.1
127.5°	850.4	859.7	845.1	839.9	842.7
130°	901.3	911.7	896.0	890.8	894.7
132.5°	953.3	963.6	948.0	942.8	948.7
135°	1031.2	1041.6	1024.6	1016.8	1027.2
137.5°	1107.3	1116.3	1097.7	1092.4	1103.3
140°	1157.1	1166.2	1146.5	1140.2	1153.1
142.5°	1205.9	1216.0	1194.2	1187.9	1201.9
145°	1277.7	1288.1	1267.1	1260.8	1272.4
147.5°	1346.6	1357.3	1336.0	1328.6	1340.5
150°	1389.1	1400.7	1378.5	1372.1	1385.1
152.5°	1430.4	1443.1	1419.8	1412.5	1428.6
155°	1491.1	1504.1	1479.2	1472.9	1488.5
157.5°	1545.7	1557.6	1535.1	1528.8	1542.3
160°	1578.6	1591.6	1568.0	1561.7	1577.3
162.5°	1607.2	1620.2	1598.7	1590.3	1605.9
165°	1646.2	1660.5	1638.2	1629.3	1646.2
167.5°	1678.8	1694.1	1670.6	1662.5	1679.3
170°	1697.9	1712.1	1688.6	1678.4	1695.2
172.5°	1710.6	1724.9	1701.3	1691.0	1702.7
175°	1724.4	1739.9	1716.4	1706.0	1712.5
177.5°	1730.5	1742.9	1724.1	1714.9	1729.4
180°	1728.4	1728.4	1728.4	1728.4	1728.4

(END OF REPORT)