

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: P1057136

Luminaire Tested: CB3-D-055U-085D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057136
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-830-1D-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: 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10263.4 lumens
Efficiency: N/A
Efficacy: 116.0 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

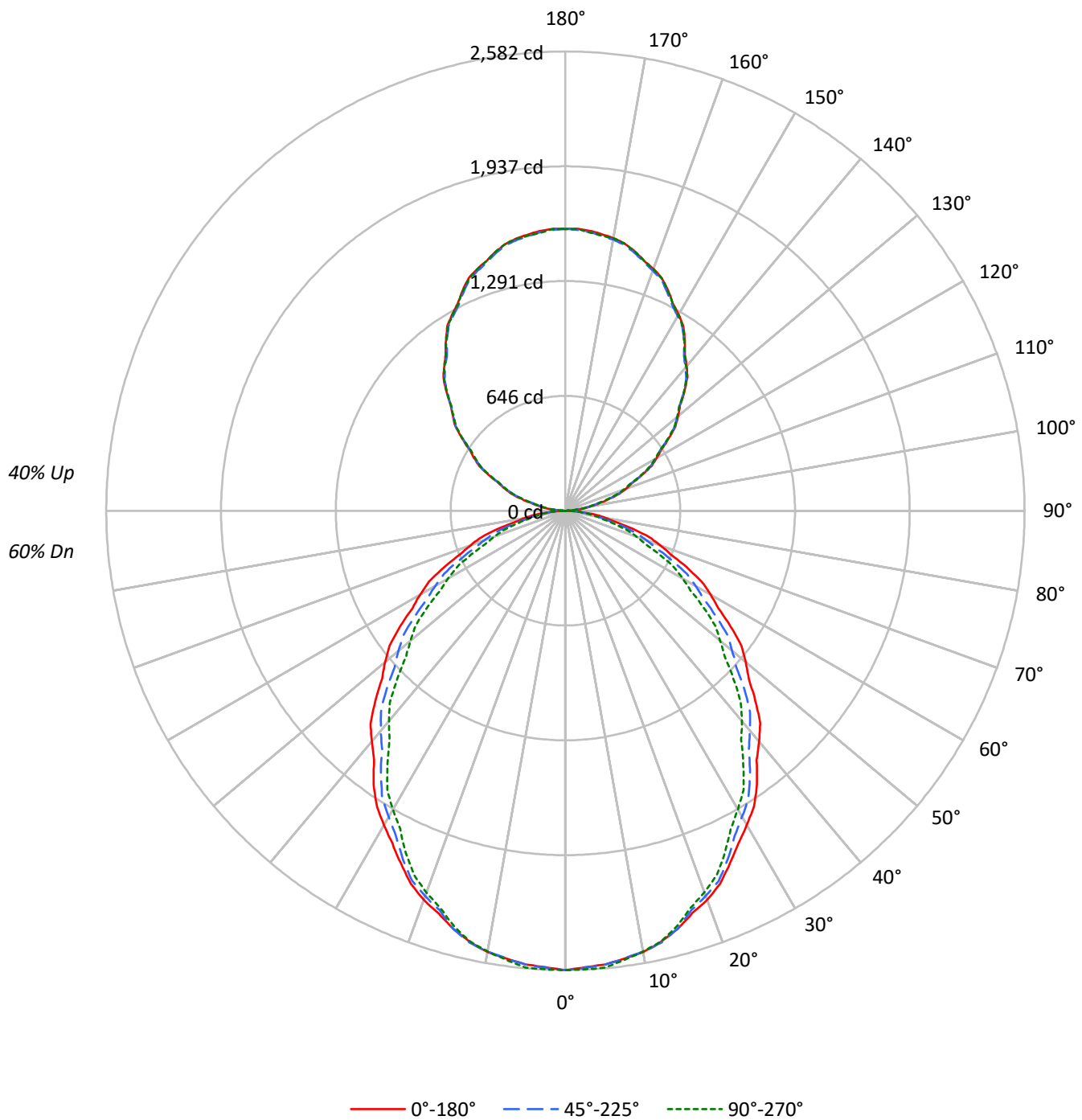
Input Watts (W): 88.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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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	0
RCR																		
0	110	110	110	110	102	102	102	102	89	89	89	77	77	77	66	66	66	60
1	100	96	92	89	94	90	87	83	78	76	74	68	66	64	58	57	56	51
2	92	84	78	73	85	79	73	69	69	65	61	60	57	54	52	49	47	43
3	84	74	67	61	78	70	63	58	61	56	52	53	49	46	46	43	41	37
4	77	66	58	52	71	62	55	49	54	49	44	48	43	40	41	38	35	32
5	70	59	51	45	66	55	48	43	49	43	38	43	38	35	37	34	31	28
6	65	53	45	39	61	50	42	37	44	38	34	39	34	30	34	30	27	24
7	60	48	40	34	56	45	38	33	40	34	30	35	31	27	31	27	24	22
8	56	44	36	30	52	41	34	29	37	31	27	32	28	24	28	25	22	20
9	52	40	32	27	49	38	31	26	34	28	24	30	25	22	26	23	20	18
10	49	37	29	25	46	35	28	24	31	26	22	28	23	20	24	21	18	16

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	14609	14609	14609
5°	14540	14550	14640
10°	14476	14455	14455
15°	14254	14254	14168
20°	14023	13880	13751
25°	13663	13491	13251
30°	13328	12981	12670
35°	12977	12496	12052
40°	12509	11914	11399
45°	12085	11395	10692
50°	11648	10777	10003
55°	11174	10180	9347
60°	10661	9562	8608
65°	10061	8859	7828
70°	9369	8036	6974
75°	8494	7051	6210
80°	7405	5913	5493
85°	5712	4998	4998

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°

Vertical Angle: 45°

Luminance: 12085 cd/sqm

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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	243.6	2.4
10°-20°	684.5	6.7
20°-30°	994.2	9.7
30°-40°	1130.1	11.0
40°-50°	1097.1	10.7
50°-60°	926.3	9.0
60°-70°	659.0	6.4
70°-80°	352.1	3.4
80°-90°	93.0	0.9
90°-100°	66.9	0.7
100°-110°	261.9	2.6
110°-120°	466.9	4.5
120°-130°	631.8	6.2
130°-140°	726.3	7.1
140°-150°	728.8	7.1
150°-160°	626.8	6.1
160°-170°	424.3	4.1
170°-180°	149.6	1.5
0°-30°	1922.3	18.7
0°-40°	3052.5	29.7
0°-60°	5075.8	49.5
0°-90°	6180.0	60.2
90°-120°	795.7	7.8
90°-150°	2882.7	28.1
90°-180°	4083.0	39.8
0°-180°	10263.4	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	2582	2582	2582	2582	2582	
5°	2560	2592	2562	2559	2578	243
15°	2434	2455	2434	2419	2419	686
25°	2189	2196	2161	2132	2123	1009
35°	1879	1861	1809	1756	1745	1171
45°	1510	1487	1424	1356	1336	1165
55°	1133	1102	1032	966	948	1013
65°	752	725	662	603	585	744
75°	389	367	323	290	284	414
85°	88	81	77	77	77	104
90°	0	0	0	0	0	6
95°	64	58	52	49	50	73
105°	254	253	244	240	238	271
115°	476	479	468	466	465	472
125°	710	718	703	701	702	634
135°	945	955	939	932	942	729
145°	1171	1181	1161	1156	1166	732
155°	1367	1379	1356	1350	1364	629
165°	1509	1522	1502	1493	1509	425
175°	1580	1595	1573	1564	1570	150
180°	1584	1584	1584	1584	1584	

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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	2582.3	2582.3	2582.3	2582.3	2582.3
2.5°	2569.1	2594.9	2572.0	2575.1	2580.8
5°	2560.3	2592.5	2562.1	2558.9	2578.0
7.5°	2540.5	2569.9	2538.3	2530.9	2547.1
10°	2519.9	2552.2	2516.3	2507.3	2516.3
12.5°	2483.3	2517.0	2488.4	2473.6	2481.1
15°	2433.8	2455.3	2433.8	2419.1	2419.1
17.5°	2373.3	2395.9	2355.3	2345.0	2340.8
20°	2329.3	2349.0	2305.5	2290.7	2284.1
22.5°	2270.6	2288.9	2252.7	2226.6	2219.6
25°	2188.8	2195.9	2161.3	2131.7	2122.8
27.5°	2107.7	2109.5	2061.9	2026.1	2014.3
30°	2040.3	2042.1	1987.1	1948.4	1939.5
32.5°	1972.8	1967.4	1915.3	1869.3	1863.2
35°	1879.0	1861.0	1809.3	1755.9	1745.1
37.5°	1765.7	1754.9	1693.8	1640.3	1624.2
40°	1693.8	1675.9	1613.2	1559.6	1543.5
42.5°	1622.0	1601.2	1536.9	1477.5	1459.9
45°	1510.5	1487.2	1424.3	1356.1	1336.4
47.5°	1398.3	1372.9	1303.7	1237.6	1215.7
50°	1323.5	1296.6	1224.5	1159.8	1136.5
52.5°	1247.3	1218.9	1146.8	1080.8	1061.8
55°	1132.9	1102.4	1032.1	965.7	947.7
57.5°	1018.5	988.4	918.4	855.6	834.1
60°	942.2	913.6	845.1	782.3	760.8
62.5°	864.5	837.3	770.3	709.0	688.9
65°	751.6	724.7	661.8	602.7	584.8
67.5°	639.8	616.8	554.7	500.5	486.1
70°	566.4	544.9	485.8	436.0	421.6
72.5°	496.0	473.1	416.9	374.5	364.4
75°	388.6	367.1	322.6	289.5	284.1
77.5°	290.4	272.8	234.3	215.5	212.6
80°	227.3	211.2	181.5	168.6	168.6
82.5°	168.6	155.4	136.0	130.5	130.5
85°	88.0	80.8	77.0	77.0	77.0
87.5°	26.4	26.4	24.9	23.5	23.5
90°	0.0	0.0	0.0	0.0	0.0
92.5°	17.5	15.6	9.7	7.8	7.8
95°	64.4	58.4	52.2	48.6	49.8
97.5°	118.8	113.1	105.4	101.8	102.8
100°	156.7	152.0	143.4	139.7	139.7
102.5°	193.6	190.8	182.2	178.6	179.6
105°	253.9	252.7	244.2	240.5	238.1
107.5°	320.5	318.3	308.8	308.5	306.4
110°	363.2	362.1	353.5	352.3	351.1

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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	407.0	408.6	399.2	398.0	396.8
115°	476.2	478.6	467.7	466.5	465.3
117.5°	547.2	550.5	538.9	537.6	535.5
120°	592.8	600.0	585.6	584.3	583.1
122.5°	639.5	645.7	632.2	630.0	629.8
125°	709.5	717.8	703.4	701.0	702.2
127.5°	779.5	788.0	774.6	769.8	772.4
130°	826.1	835.6	821.2	816.5	820.0
132.5°	873.7	883.2	868.9	864.1	869.6
135°	945.2	954.7	939.1	932.0	941.5
137.5°	1014.9	1023.2	1006.1	1001.3	1011.2
140°	1060.6	1068.9	1050.9	1045.0	1056.9
142.5°	1105.3	1114.5	1094.6	1088.8	1101.6
145°	1171.1	1180.6	1161.4	1155.6	1166.3
147.5°	1234.3	1244.0	1224.6	1217.8	1228.7
150°	1273.2	1283.9	1263.5	1257.6	1269.5
152.5°	1311.1	1322.7	1301.4	1294.6	1309.4
155°	1366.7	1378.6	1355.8	1350.0	1364.3
157.5°	1416.8	1427.7	1407.0	1401.3	1413.6
160°	1446.9	1458.8	1437.2	1431.4	1445.7
162.5°	1473.1	1485.0	1465.4	1457.7	1471.9
165°	1508.9	1521.9	1501.6	1493.4	1508.9
167.5°	1538.7	1552.8	1531.2	1523.8	1539.2
170°	1556.2	1569.3	1547.7	1538.4	1553.8
172.5°	1567.9	1581.0	1559.4	1549.9	1560.6
175°	1580.5	1594.8	1573.2	1563.7	1569.6
177.5°	1586.1	1597.5	1580.3	1571.8	1585.1
180°	1584.2	1584.2	1584.2	1584.2	1584.2

(END OF REPORT)