

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: P1057130

Luminaire Tested: CB3-D-055U-030D-830-1D-UNV-STD-W-8

Issue Date: 7/31/2025

Test Information

Test Method: LM-79-2019
Report Number: P1057130
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-030D-830-1D-UNV-STD-W-8
Description: CORELITE BASIC SLOT LED LUMINAIRE, DIFFUSER DUST COVER UPLIGHT
3-INCH APERTURE
DOWNLIGHT 300 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: 6203.2 lumens
Efficiency: N/A
Efficacy: 116.6 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-Indirect

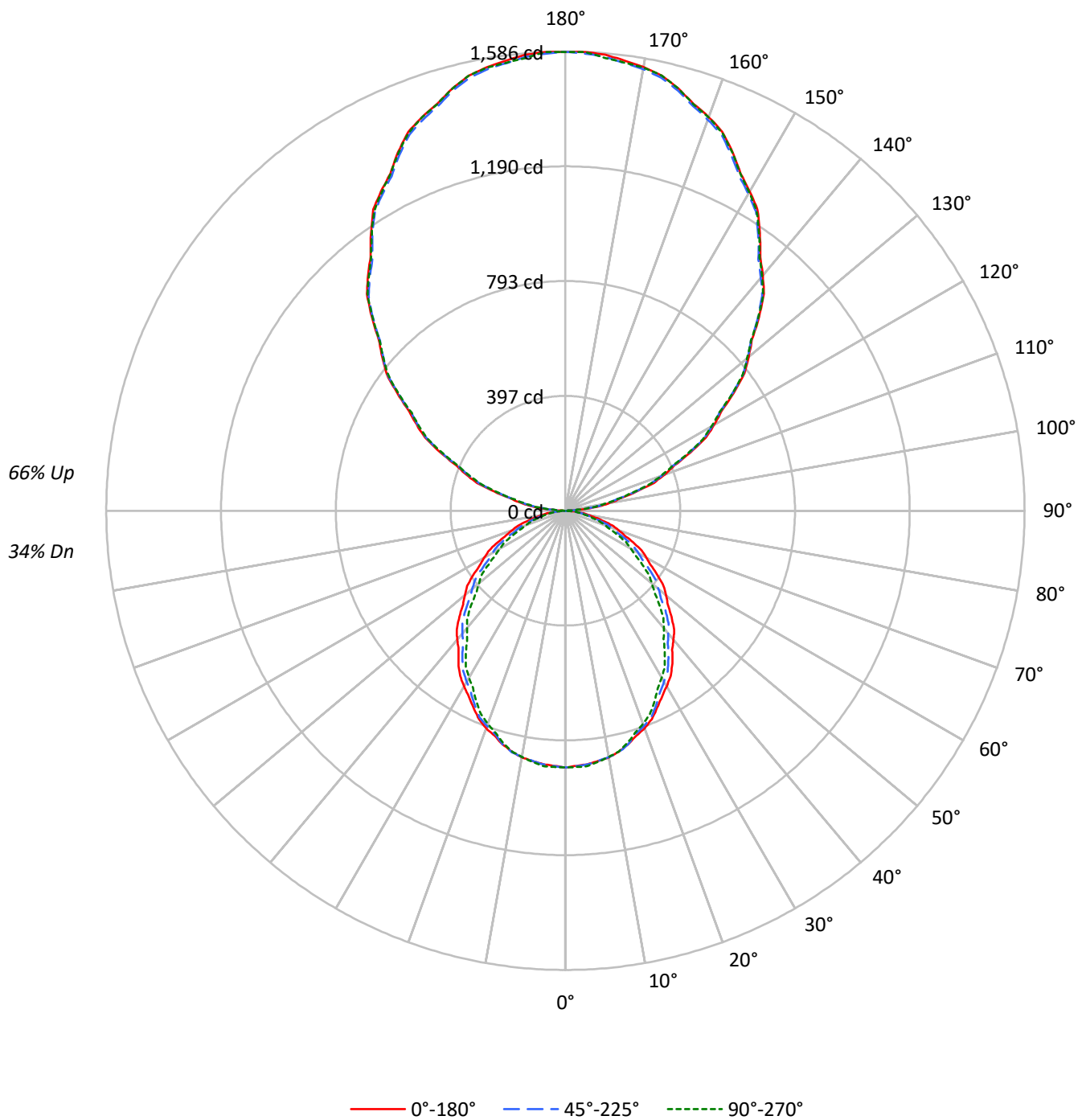
Input Watts (W): 53.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



TEST NUMBER: P1057130

CATALOG NUMBER: CB3-D-055U-030D-830-1D-UNV-STD-W-8

Luminous Intensity Polar Plot



TEST NUMBER: P1057130

CATALOG NUMBER: CB3-D-055U-030D-830-1D-UNV-STD-W-8

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	35	55	45	38	33	36	31	27	29	25	22	21	19	17
7	56	44	36	31	50	40	33	29	33	28	24	26	22	20	19	17	15
8	52	40	32	27	47	37	30	25	30	25	21	24	20	17	18	15	14
9	48	36	29	24	44	33	27	23	27	22	19	22	18	16	16	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°	5015	5015	5015
5°	4991	4995	5030
10°	4969	4962	4962
15°	4893	4893	4864
20°	4814	4765	4716
25°	4685	4627	4544
30°	4571	4452	4345
35°	4450	4285	4133
40°	4290	4085	3909
45°	4144	3908	3667
50°	3995	3696	3431
55°	3832	3491	3206
60°	3656	3279	2952
65°	3451	3037	2684
70°	3214	2756	2392
75°	2914	2418	2129
80°	2541	2026	1883
85°	1960	1714	1714

MAXIMUM LUMINANCE 45°-90°:

Horizontal Angle: 0°
Vertical Angle: 45°
Luminance: 4144 cd/sqm

TEST NUMBER: P1057130

CATALOG NUMBER: CB3-D-055U-030D-830-1D-UNV-STD-W-8

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.6	1.3
10°-20°	235.0	3.8
20°-30°	341.0	5.5
30°-40°	387.6	6.2
40°-50°	376.2	6.1
50°-60°	317.7	5.1
60°-70°	226.0	3.6
70°-80°	120.7	1.9
80°-90°	31.9	0.5
90°-100°	66.9	1.1
100°-110°	261.9	4.2
110°-120°	466.9	7.5
120°-130°	631.8	10.2
130°-140°	726.3	11.7
140°-150°	728.8	11.7
150°-160°	626.8	10.1
160°-170°	424.3	6.8
170°-180°	149.6	2.4
0°-30°	659.6	10.6
0°-40°	1047.2	16.9
0°-60°	1741.1	28.1
0°-90°	2119.7	34.2
90°-120°	795.7	12.8
90°-150°	2882.7	46.5
90°-180°	4083.0	65.8
0°-180°	6203.2	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	886	886	886	886	886	
5°	879	890	880	878	886	83
15°	835	843	835	830	830	235
25°	751	753	741	731	728	346
35°	644	638	620	602	598	402
45°	518	510	488	465	458	400
55°	388	378	354	331	325	347
65°	258	248	227	207	200	255
75°	133	126	111	99	97	142
85°	30	28	26	26	26	36
90°	0	0	0	0	0	4
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	

TEST NUMBER: P1057130

CATALOG NUMBER: CB3-D-055U-030D-830-1D-UNV-STD-W-8

CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	886.4	886.4	886.4	886.4	886.4
2.5°	881.8	890.7	882.9	883.9	885.9
5°	878.8	889.9	879.5	878.4	885.7
7.5°	872.0	882.1	871.3	868.8	874.3
10°	865.0	876.1	863.7	860.7	863.7
12.5°	852.4	864.0	854.2	849.1	851.7
15°	835.4	842.8	835.4	830.4	830.4
17.5°	814.7	822.4	808.5	805.0	803.4
20°	799.6	806.4	791.4	786.3	783.3
22.5°	779.5	785.8	773.3	763.8	761.2
25°	750.6	753.1	741.2	731.1	728.0
27.5°	722.8	723.5	707.1	694.8	690.8
30°	699.7	700.3	681.5	668.2	665.1
32.5°	676.6	674.7	656.8	641.1	639.0
35°	644.4	638.2	620.5	602.2	598.5
37.5°	605.5	601.8	580.9	562.5	557.0
40°	580.9	574.7	553.2	534.9	529.3
42.5°	556.2	549.1	527.1	506.7	500.7
45°	518.0	510.0	488.5	465.1	458.3
47.5°	479.5	470.8	447.1	424.4	416.9
50°	453.9	444.7	419.9	397.8	389.8
52.5°	427.7	418.0	393.3	370.6	364.1
55°	388.5	378.1	353.9	331.2	325.0
57.5°	349.3	339.0	315.0	293.4	286.0
60°	323.1	313.3	289.8	268.3	260.9
62.5°	296.5	287.1	264.2	243.1	236.3
65°	257.8	248.5	226.9	206.7	200.5
67.5°	219.4	211.5	190.2	171.6	166.7
70°	194.3	186.9	166.6	149.5	144.6
72.5°	170.1	162.2	143.0	128.4	125.0
75°	133.3	125.9	110.6	99.3	97.4
77.5°	99.6	93.6	80.3	73.9	72.9
80°	78.0	72.4	62.2	57.8	57.8
82.5°	57.8	53.3	46.6	44.8	44.8
85°	30.2	27.7	26.4	26.4	26.4
87.5°	9.1	9.1	8.5	8.0	8.0
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

TEST NUMBER: P1057130

CATALOG NUMBER: CB3-D-055U-030D-830-1D-UNV-STD-W-8

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)