

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P560295

Luminaire Tested: **SDL-PA1-30-830-U-T2R**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560295  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-20)  
Test Lab: INNOVATION CENTER  
Issue Date: 7/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: SDL-PA1-30-830-U-T2R  
Description: Springdale  
(1) 80 CRI, 3000K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2993.1 lumens  
Efficiency: N/A  
Efficacy: 99.4 lumens/watt  
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')  
IES Classification: Type II - Medium  
BUG Rating: B1 - U0 - G1

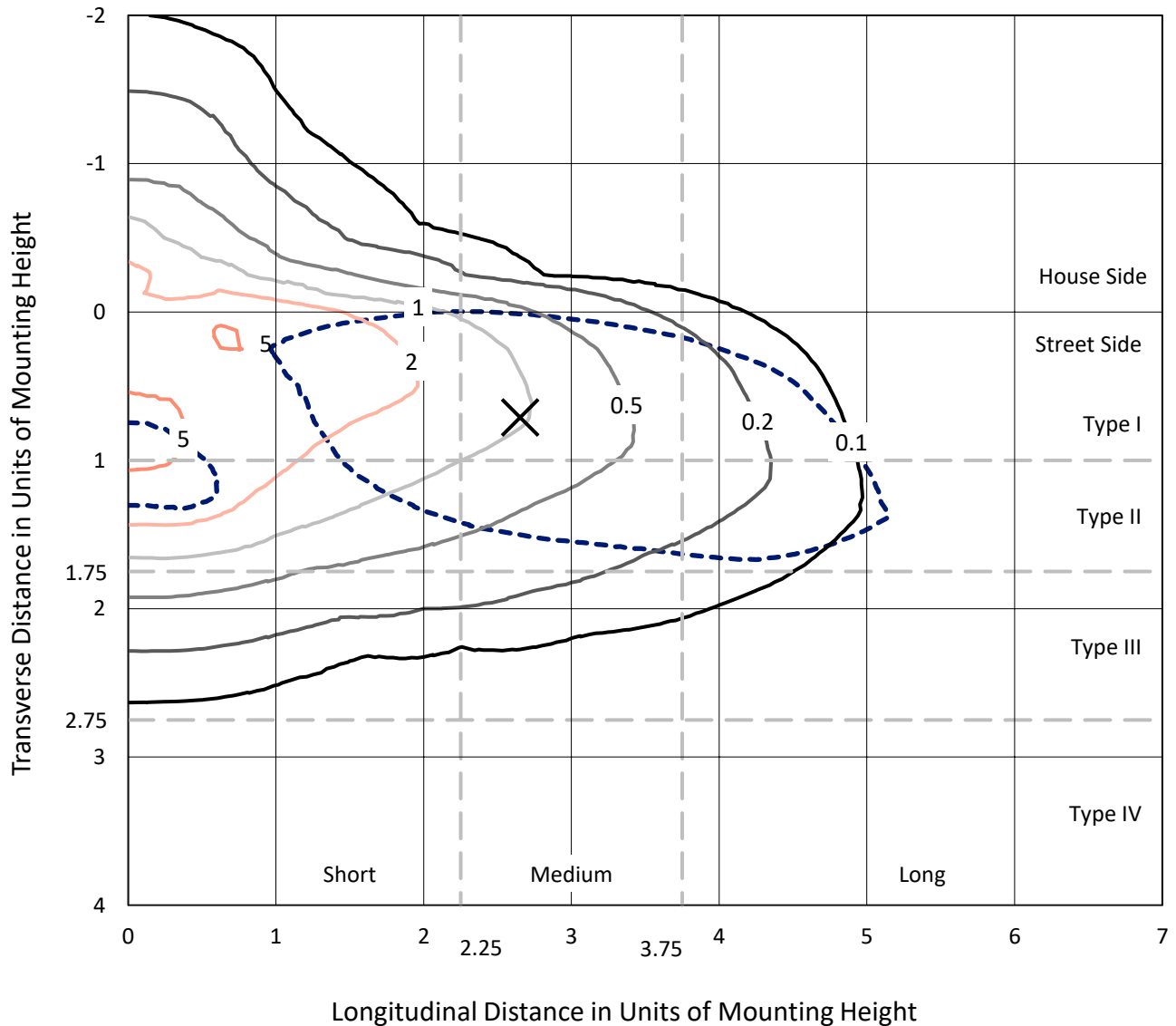
Input Watts (W): 30.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P560295  
 CATALOG NUMBER: SDL-PA1-30-830-U-T2R

### Iso-Footcandle Lines of Horizontal Illumination

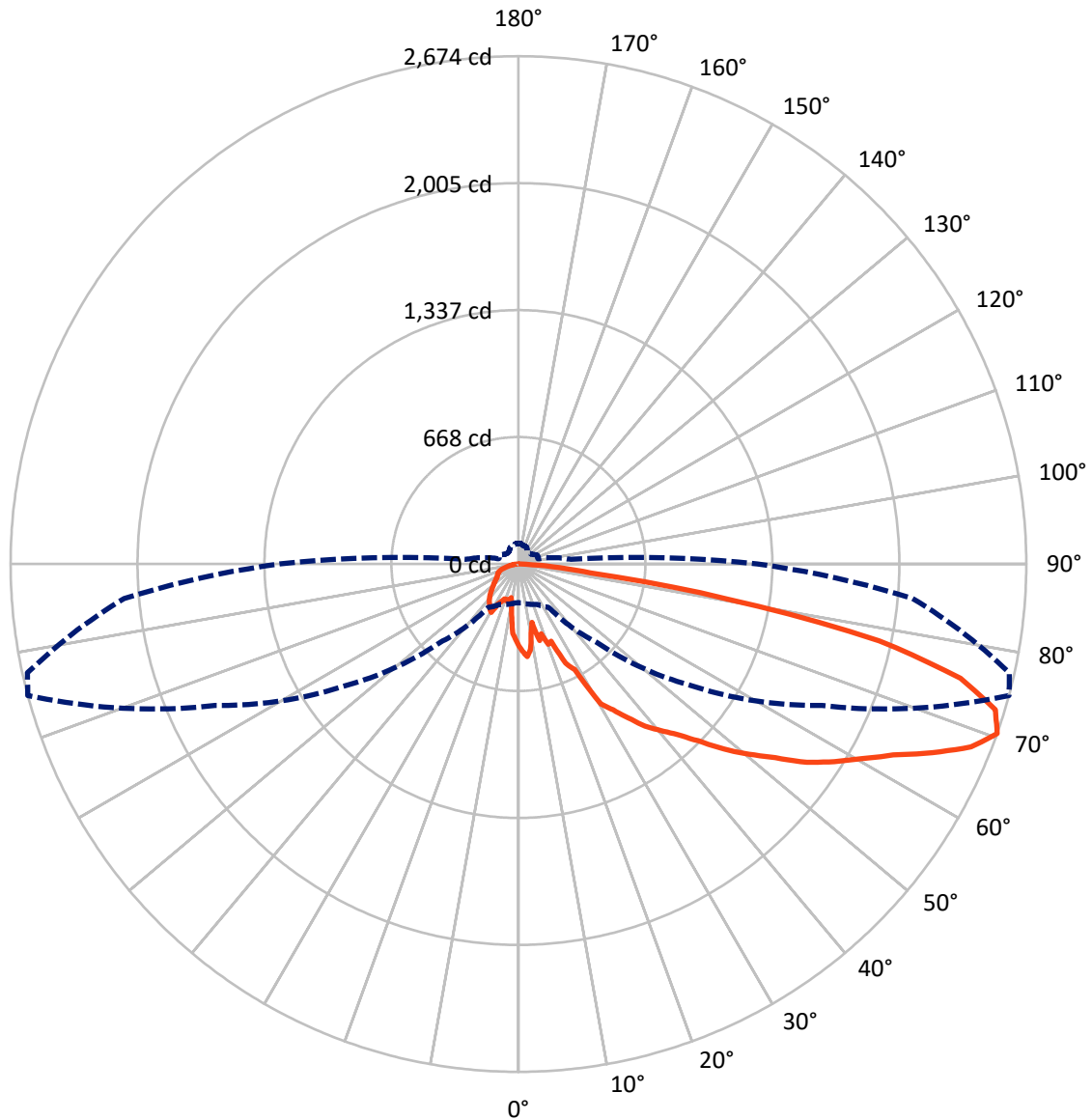
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc  
 Type II - Medium - N/A

REPORT NUMBER: P560295  
CATALOG NUMBER: SDL-PA1-30-830-U-T2R

### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P560295

CATALOG NUMBER: SDL-PA1-30-830-U-T2R

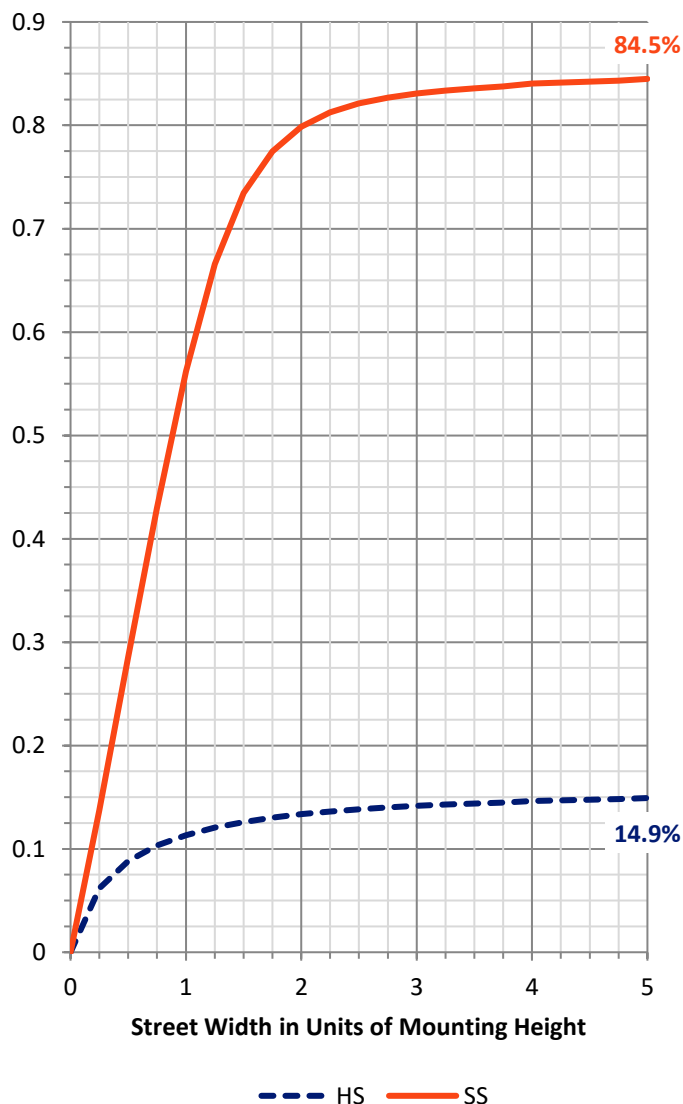
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	455.3	0.0	455.3
	% Fixture	15.2	0.0	15.2
<b>Street Side</b>	Lumens	2537.8	0.0	2537.8
	% Fixture	84.8	0.0	84.8
<b>Total</b>	Lumens	2993.1	0.0	2993.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	35.8	1.2
10°-20°	95.1	3.2
20°-30°	173.8	5.8
30°-40°	352.9	11.8
40°-50°	541.6	18.1
50°-60°	652.9	21.8
60°-70°	631.5	21.1
70°-80°	438.0	14.6
80°-90°	71.5	2.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2993.1	100.0
0°-180°	2993.1	100.0

**Coefficient of Utilization**



REPORT NUMBER: P560295

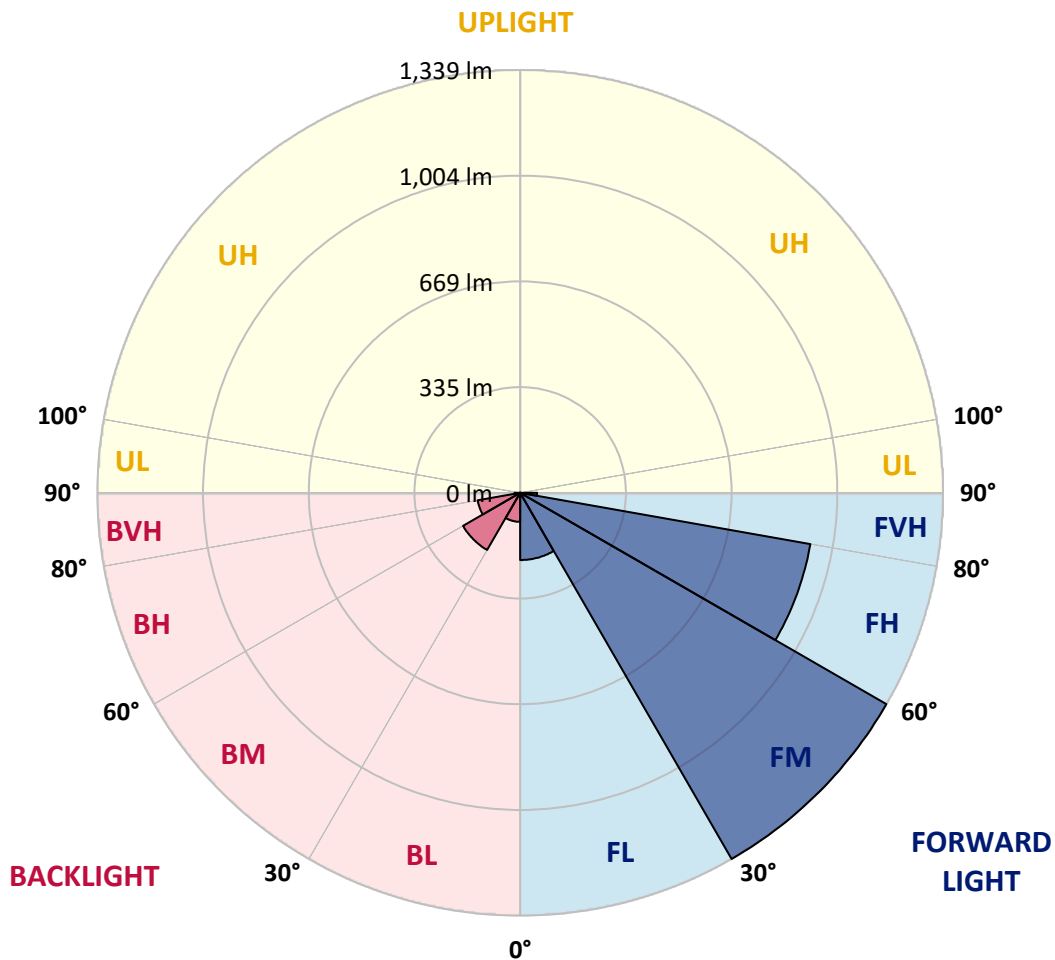
CATALOG NUMBER: SDL-PA1-30-830-U-T2R

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	212.8	7.1			
FM (30°-60°)	1338.6	44.7			
FH (60°-80°)	932.9	31.2			G1/1800
FVH (80°-90°)	53.6	1.8			G1/100
BL (0°-30°)	91.9	3.1	B0/110		
BM (30°-60°)	208.9	7.0	B0/220		
BH (60°-80°)	136.6	4.6	B1/500		G1/500
BVH (80°-90°)	18.0	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G1**

Type II Medium





REPORT NUMBER: P560295

CATALOG NUMBER: SDL-PA1-30-830-U-T2R

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	432.6	432.6	432.6	432.6	432.6	432.6	432.6	432.6	432.6	432.6	432.6
2.5°	449.1	492.0	471.1	495.3	507.4	499.7	493.1	476.6	462.3	456.8	442.5
5°	495.3	494.2	488.7	486.5	476.6	464.5	454.6	509.6	489.8	479.9	454.6
7.5°	439.2	476.6	504.1	518.4	518.4	504.1	488.7	421.5	455.7	446.9	410.5
10°	551.4	551.4	550.3	551.4	452.4	476.6	409.4	380.8	368.7	397.3	368.7
12.5°	468.9	509.6	555.8	572.3	527.2	450.2	419.3	402.8	315.9	309.3	326.9
15°	551.4	554.7	559.1	492.0	418.2	477.7	365.4	362.1	418.2	408.3	412.7
17.5°	442.5	446.9	542.6	530.5	486.5	362.1	455.7	407.2	386.3	373.1	372.0
20°	558.0	560.2	559.1	419.3	449.1	493.1	472.2	358.8	450.2	455.7	461.2
22.5°	472.2	473.3	478.8	533.8	454.6	514.0	426.0	534.9	441.4	454.6	343.4
25°	635.1	635.1	615.3	481.0	550.3	468.9	518.4	460.1	578.9	563.5	516.2
27.5°	592.1	587.7	564.6	595.5	496.4	593.2	512.9	577.8	628.5	606.5	626.3
30°	832.1	837.6	807.9	618.6	604.3	569.0	591.0	684.6	855.2	843.1	752.8
32.5°	1113.9	1062.1	926.7	801.3	660.4	694.5	660.4	807.9	915.7	917.9	796.9
35°	1250.3	1245.9	1187.6	945.5	759.4	759.4	740.7	843.1	993.9	979.6	844.2
37.5°	1359.3	1352.7	1312.0	1068.7	848.6	844.2	783.7	897.0	1083.0	1046.7	895.9
40°	1451.8	1442.9	1407.7	1154.6	945.5	924.5	836.5	958.7	1152.4	1155.7	945.5
42.5°	1513.4	1510.1	1484.8	1232.7	1025.8	988.4	906.9	1037.9	1226.1	1244.8	1007.1
45°	1561.8	1560.7	1538.7	1318.6	1083.0	1046.7	981.8	1097.3	1327.4	1338.4	1073.1
47.5°	1567.3	1571.7	1571.7	1361.5	1122.7	1098.4	1058.8	1150.2	1456.2	1433.0	1150.2
50°	1510.1	1514.5	1542.0	1433.0	1156.8	1141.4	1124.9	1214.0	1573.9	1539.8	1231.6
52.5°	1363.7	1373.6	1448.5	1397.8	1174.4	1173.3	1186.5	1296.6	1693.9	1657.6	1339.5
55°	1048.9	1055.5	1241.5	1294.4	1168.9	1181.0	1232.7	1398.9	1842.5	1810.6	1452.9
57.5°	801.3	820.0	936.7	1098.4	1108.4	1174.4	1262.4	1470.5	1962.5	1930.5	1557.4
60°	645.0	658.2	726.4	868.4	978.5	1145.8	1303.2	1559.6	2079.1	2063.7	1669.7
62.5°	505.2	514.0	561.3	654.9	794.7	1078.6	1328.5	1656.5	2213.4	2205.7	1816.1
65°	362.1	370.9	412.7	474.4	614.2	952.1	1316.4	1748.9	2393.9	2386.2	1958.1
67.5°	264.2	266.4	293.9	335.7	435.9	770.5	1256.9	1807.3	2570.0	2554.6	2067.0
70°	203.6	205.8	219.0	234.4	278.5	583.3	1118.3	1763.2	2673.5	2647.1	2083.5
72.5°	165.1	165.1	170.6	178.3	190.4	380.8	878.3	1590.4	2625.0	2573.3	1945.9
75°	138.7	138.7	142.0	139.8	133.2	237.7	610.9	1328.5	2403.8	2338.9	1693.9
77.5°	116.7	115.6	115.6	116.7	103.5	161.8	373.1	1023.6	1942.6	1879.9	1255.8
80°	95.8	95.8	95.8	95.8	84.7	115.6	222.3	679.1	1116.1	974.1	575.6
82.5°	70.4	71.5	74.8	74.8	70.4	84.7	115.6	284.0	381.9	337.9	203.6
85°	33.0	34.1	44.0	46.2	45.1	41.8	60.5	127.7	178.3	161.8	47.3
87.5°	1.1	1.1	4.4	9.9	8.8	6.6	12.1	17.6	6.6	7.7	5.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560295  
 CATALOG NUMBER: SDL-PA1-30-830-U-T2R

**CANDELA DISTRIBUTION (continued):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P560295  
 CATALOG NUMBER: SDL-PA1-30-830-U-T2R

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	432.6	432.6	432.6	432.6	432.6	432.6	432.6	432.6	432.6	432.6	432.6
2.5°	432.6	422.6	399.5	379.7	358.8	344.5	312.6	289.5	277.4	275.2	278.5
5°	434.8	412.7	366.5	308.2	264.2	253.1	248.7	247.6	246.5	246.5	246.5
7.5°	383.0	354.4	285.1	242.1	248.7	248.7	248.7	245.4	225.6	216.8	216.8
10°	337.9	300.5	212.4	195.9	197.0	206.9	233.3	260.9	266.4	267.5	268.6
12.5°	292.8	256.5	180.5	190.4	171.7	203.6	241.0	268.6	242.1	228.9	228.9
15°	368.7	317.0	209.1	167.3	169.5	203.6	183.8	248.7	266.4	267.5	268.6
17.5°	332.4	279.6	194.8	176.1	186.0	155.2	210.2	235.5	216.8	214.6	212.4
20°	403.9	332.4	203.6	175.0	173.9	188.2	178.3	178.3	242.1	242.1	242.1
22.5°	299.4	246.5	198.1	197.0	166.2	186.0	177.2	198.1	190.4	187.1	187.1
25°	439.2	347.8	216.8	172.8	178.3	164.0	182.7	162.9	201.4	203.6	203.6
27.5°	527.2	408.3	235.5	191.5	164.0	176.1	150.8	164.0	155.2	156.3	156.3
30°	628.5	478.8	292.8	200.3	168.4	145.3	149.7	142.0	168.4	165.1	164.0
32.5°	656.0	483.2	281.8	212.4	164.0	146.4	135.4	146.4	156.3	170.6	170.6
35°	687.9	487.6	266.4	202.5	160.7	136.5	134.3	146.4	158.5	154.1	154.1
37.5°	717.6	490.9	254.2	190.4	147.5	133.2	133.2	135.4	147.5	140.9	140.9
40°	751.7	492.0	239.9	177.2	136.5	131.0	123.3	125.5	126.6	122.2	121.1
42.5°	790.3	490.9	223.4	165.1	126.6	122.2	116.7	116.7	120.0	118.9	117.8
45°	832.1	489.8	205.8	150.8	115.6	110.1	106.8	120.0	125.5	125.5	123.3
47.5°	882.7	489.8	189.3	134.3	107.9	99.1	96.9	111.2	122.2	124.4	126.6
50°	941.1	487.6	173.9	122.2	100.2	92.5	95.8	110.1	118.9	122.2	121.1
52.5°	1017.0	483.2	160.7	112.3	94.7	84.7	90.3	106.8	117.8	118.9	117.8
55°	1083.0	467.8	147.5	107.9	90.3	80.3	87.0	105.7	115.6	115.6	115.6
57.5°	1139.2	445.8	136.5	104.6	89.2	79.2	85.9	104.6	111.2	114.5	114.5
60°	1207.4	418.2	128.8	103.5	88.1	78.1	84.7	103.5	109.0	113.4	113.4
62.5°	1277.9	395.1	124.4	103.5	84.7	79.2	84.7	103.5	107.9	113.4	112.3
65°	1335.1	365.4	120.0	105.7	83.6	79.2	84.7	103.5	106.8	112.3	112.3
67.5°	1331.8	324.7	114.5	111.2	84.7	80.3	84.7	102.4	104.6	112.3	110.1
70°	1256.9	277.4	105.7	110.1	88.1	80.3	83.6	99.1	100.2	110.1	106.8
72.5°	1121.6	224.5	93.6	103.5	88.1	81.4	81.4	94.7	94.7	105.7	99.1
75°	938.9	172.8	77.0	91.4	83.6	83.6	77.0	89.2	87.0	93.6	87.0
77.5°	700.0	131.0	59.4	75.9	75.9	82.5	73.7	82.5	79.2	80.3	77.0
80°	291.7	79.2	45.1	59.4	64.9	80.3	70.4	74.8	67.1	67.1	64.9
82.5°	121.1	50.6	30.8	37.4	44.0	71.5	67.1	63.8	55.0	50.6	47.3
85°	44.0	27.5	20.9	25.3	28.6	49.5	48.4	40.7	31.9	35.2	28.6
87.5°	3.3	4.4	4.4	5.5	5.5	6.6	11.0	11.0	6.6	5.5	3.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P560295  
 CATALOG NUMBER: SDL-PA1-30-830-U-T2R

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)