

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: P560144

Luminaire Tested: **SDL-PA1-30-722-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560144
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-6)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-722-U-T2U-HSS
Description: Springdale
(1) 70 CRI, 2200K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2019.3 lumens
Efficiency: N/A
Efficacy: 67.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
BUG Rating: B0 - U0 - G1

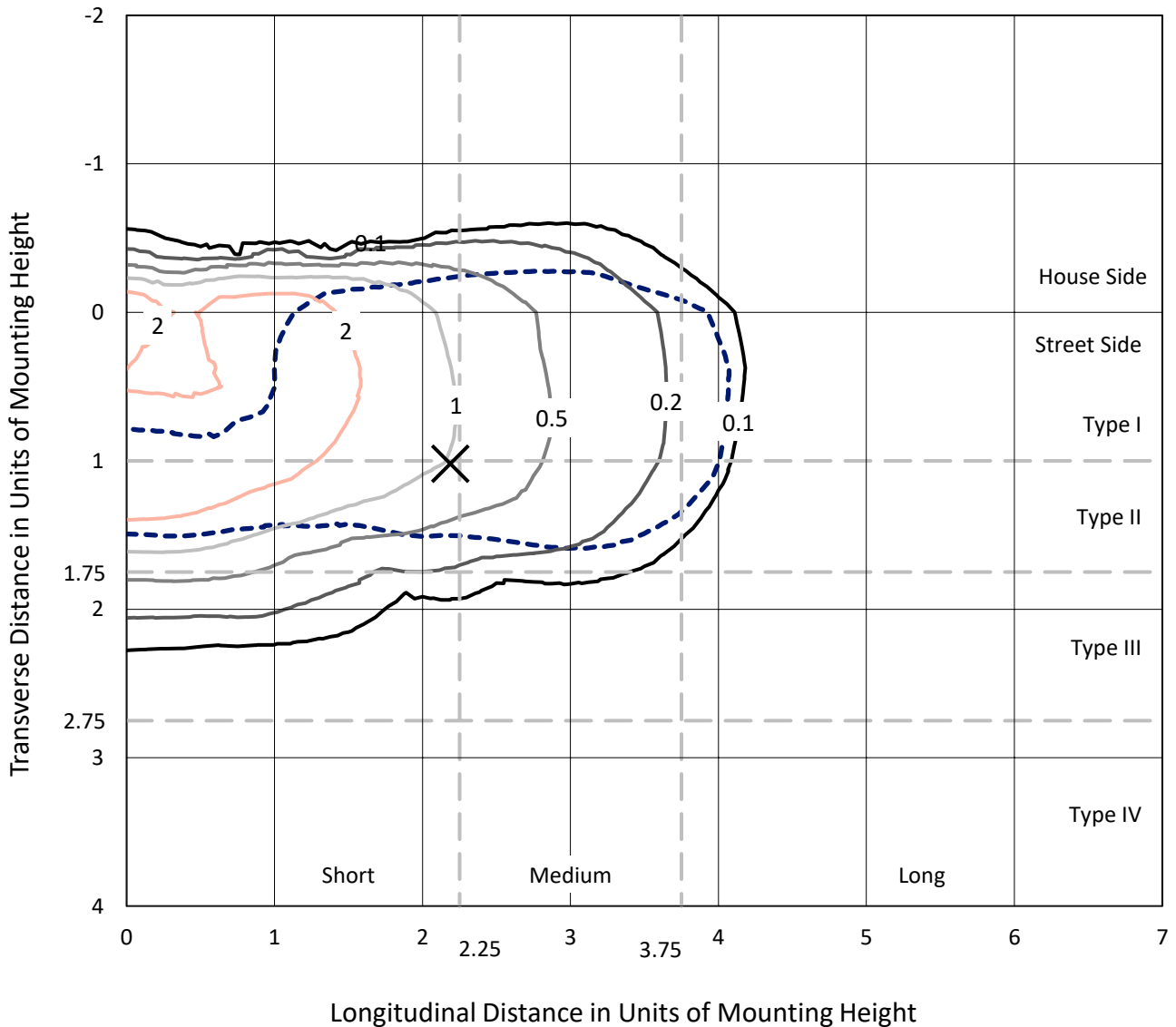
Input Watts (W): 30.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P560144
 CATALOG NUMBER: SDL-PA1-30-722-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

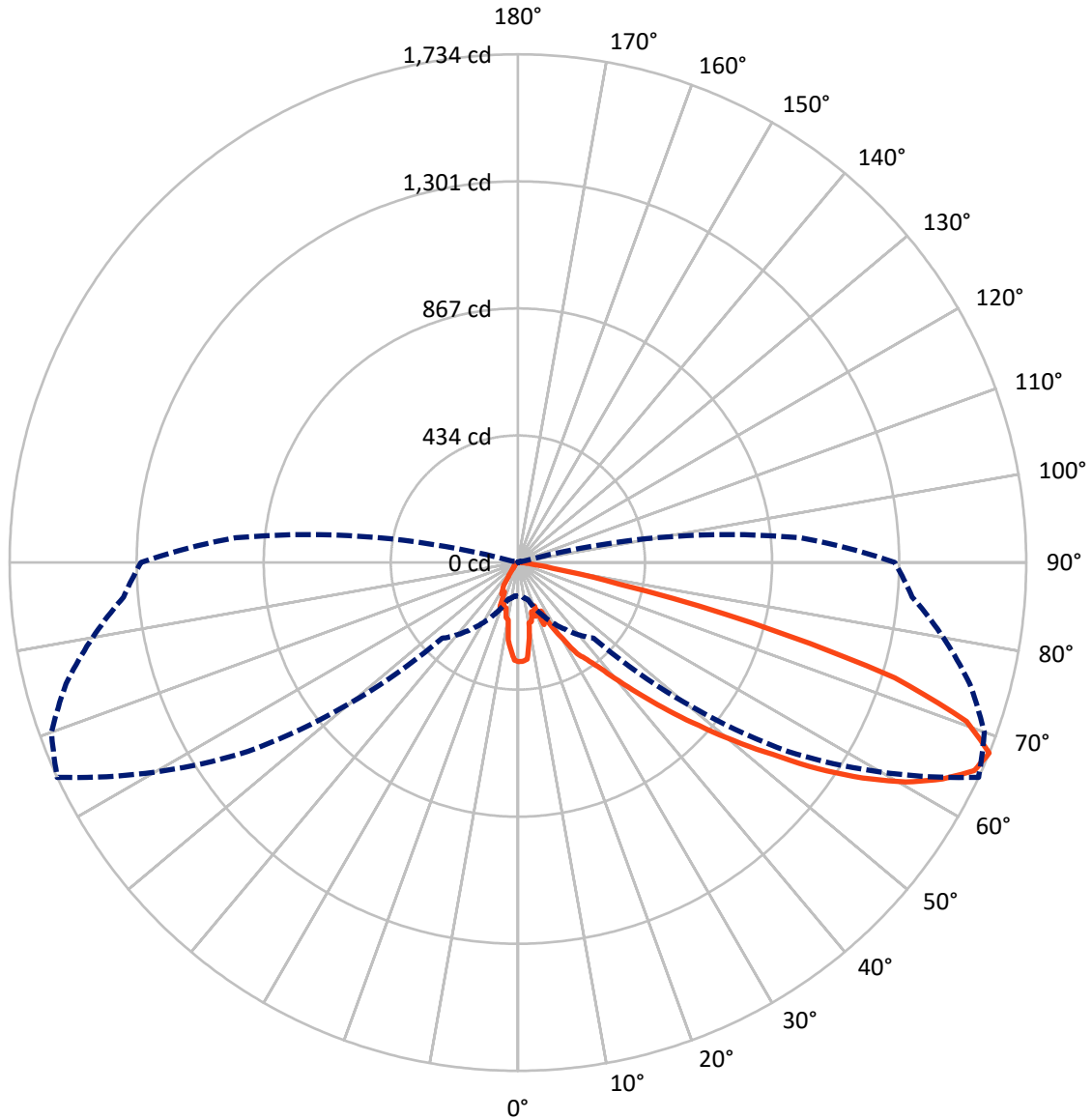
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type II - Short - N/A

REPORT NUMBER: P560144
CATALOG NUMBER: SDL-PA1-30-722-U-T2U-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P560144

CATALOG NUMBER: SDL-PA1-30-722-U-T2U-HSS

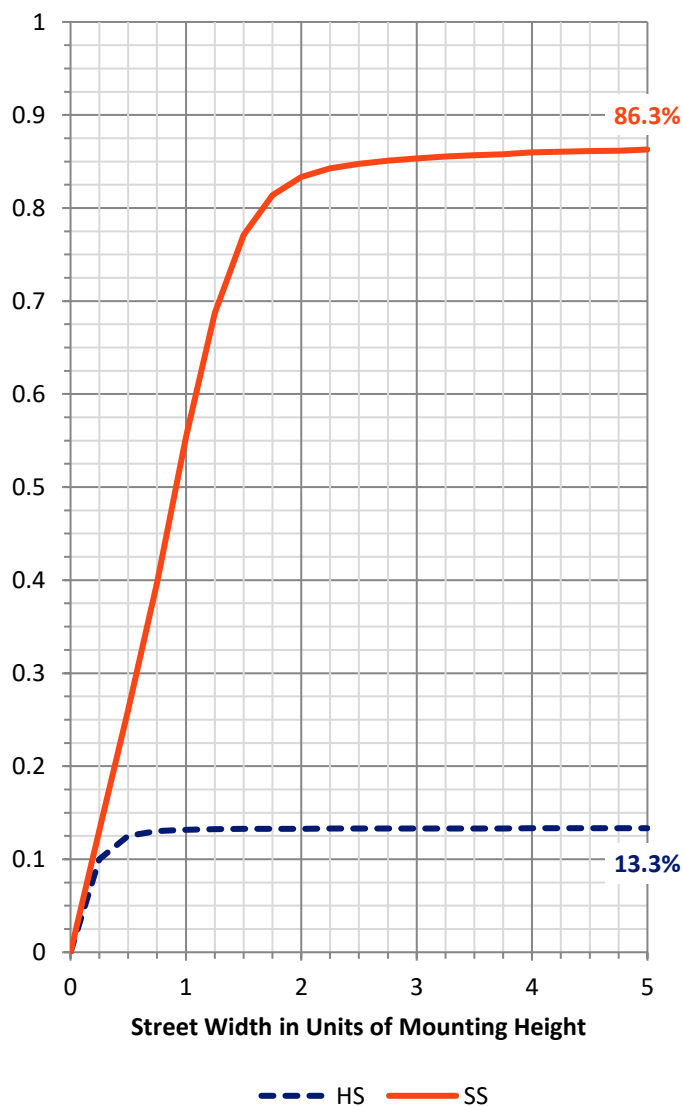
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	273.0	0.0	273.0
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	1746.3	0.0	1746.3
	% Fixture	86.5	0.0	86.5
Total	Lumens	2019.3	0.0	2019.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.0	1.3
10°-20°	50.2	2.5
20°-30°	75.8	3.8
30°-40°	174.6	8.6
40°-50°	383.0	19.0
50°-60°	562.2	27.8
60°-70°	488.3	24.2
70°-80°	242.1	12.0
80°-90°	17.2	0.9
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°	2019.3	100.0
0°-180°	2019.3	100.0

Coefficient of Utilization



REPORT NUMBER: P560144

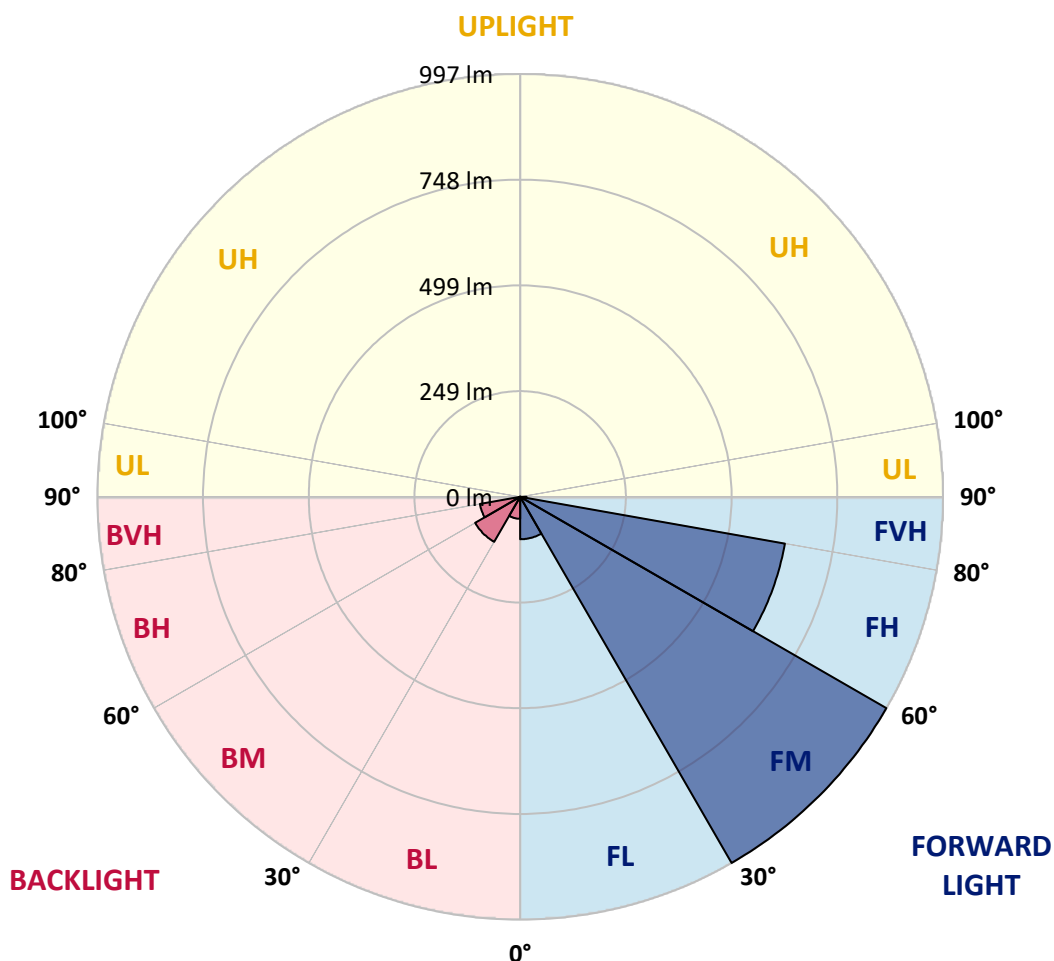
CATALOG NUMBER: SDL-PA1-30-722-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	100.1	5.0			
FM (30°-60°)	997.1	49.4			
FH (60°-80°)	634.0	31.4			G0/660
FVH (80°-90°)	15.1	0.7			G1/100
BL (0°-30°)	51.9	2.6	B0/110		
BM (30°-60°)	122.6	6.1	B0/220		
BH (60°-80°)	96.5	4.8	B0/110		G0/110
BVH (80°-90°)	2.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short





REPORT NUMBER: P560144

CATALOG NUMBER: SDL-PA1-30-722-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	338.1	338.1	338.1	338.1	338.1	338.1	338.1	338.1	338.1	338.1	338.1
2.5°	283.1	306.5	313.6	320.8	326.9	333.0	334.0	335.0	337.1	338.1	339.1
5°	277.0	278.0	278.0	277.0	278.0	279.0	279.0	279.0	279.0	279.0	280.0
7.5°	222.0	248.5	256.6	263.7	267.8	270.9	272.9	273.9	274.9	276.0	277.0
10°	267.8	266.8	267.8	267.8	268.8	268.8	245.4	222.0	230.1	237.3	225.0
12.5°	212.8	234.2	243.4	252.5	258.7	263.7	253.6	242.4	221.0	198.6	199.6
15°	256.6	256.6	256.6	256.6	237.3	216.9	203.7	189.4	200.6	210.8	190.4
17.5°	206.7	206.7	225.0	243.4	243.4	242.4	229.1	214.9	186.4	157.8	183.3
20°	255.6	255.6	256.6	257.6	224.0	190.4	201.6	211.8	215.9	220.0	210.8
22.5°	208.8	208.8	211.8	213.8	226.1	238.3	205.7	173.1	199.6	226.1	207.7
25°	269.9	270.9	272.9	273.9	243.4	211.8	226.1	240.3	211.8	183.3	211.8
27.5°	244.4	240.3	240.3	239.3	249.5	258.7	238.3	217.9	236.3	254.6	233.2
30°	343.2	340.1	336.0	332.0	293.3	254.6	255.6	255.6	248.5	241.3	253.6
32.5°	475.6	470.5	435.8	401.2	372.7	344.2	314.7	285.1	295.3	304.5	298.4
35°	638.5	638.5	605.9	573.3	509.2	445.0	395.1	344.2	340.1	336.0	342.2
37.5°	832.0	811.6	772.9	734.2	654.8	574.3	498.0	421.6	412.4	402.2	392.1
40°	975.6	972.5	943.0	913.4	815.7	717.9	628.3	537.7	508.1	477.6	455.2
42.5°	1125.2	1114.0	1090.6	1066.2	967.4	867.6	771.9	675.1	634.4	593.7	554.0
45°	1233.2	1230.1	1209.8	1189.4	1109.0	1027.5	927.7	826.9	800.4	773.9	699.6
47.5°	1300.4	1283.1	1274.9	1265.8	1196.5	1127.3	1042.8	957.2	953.2	948.1	854.4
50°	1280.0	1264.8	1266.8	1268.8	1235.2	1201.6	1137.5	1072.3	1083.5	1094.7	1017.3
52.5°	1172.1	1158.9	1177.2	1194.5	1193.5	1192.5	1169.0	1144.6	1185.3	1225.0	1172.1
55°	956.2	965.4	1002.0	1038.7	1063.1	1086.6	1120.2	1152.7	1230.1	1306.5	1296.3
57.5°	749.5	769.9	807.5	844.2	883.9	922.6	993.9	1065.2	1195.5	1324.8	1369.6
60°	503.1	516.3	582.5	647.7	684.3	721.0	798.4	874.7	1051.9	1228.1	1345.2
62.5°	312.6	319.8	357.4	395.1	469.4	543.8	582.5	620.2	811.6	1002.0	1218.9
65°	192.5	190.4	205.7	220.0	293.3	365.6	391.0	415.5	542.8	669.0	1006.1
67.5°	115.1	114.1	122.2	130.3	164.0	197.6	237.3	277.0	321.8	365.6	745.4
70°	93.7	95.7	98.8	101.8	111.0	120.2	156.8	193.5	192.5	191.4	448.1
72.5°	78.4	80.4	86.6	91.6	98.8	104.9	126.3	146.6	137.5	128.3	213.8
75°	58.0	59.1	67.2	74.3	85.5	95.7	100.8	104.9	100.8	96.7	107.9
77.5°	38.7	38.7	45.8	53.0	64.2	75.4	81.5	87.6	80.4	73.3	76.4
80°	24.4	24.4	28.5	31.6	42.8	54.0	61.1	68.2	62.1	55.0	54.0
82.5°	14.3	15.3	17.3	19.3	26.5	33.6	38.7	43.8	50.9	57.0	45.8
85°	6.1	7.1	9.2	10.2	14.3	17.3	20.4	23.4	29.5	35.6	29.5
87.5°	1.0	1.0	2.0	3.1	4.1	5.1	5.1	5.1	5.1	4.1	5.1
90°	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0



REPORT NUMBER: P560144

CATALOG NUMBER: SDL-PA1-30-722-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	338.1	338.1	338.1	338.1	338.1	338.1	338.1	338.1	338.1	338.1	338.1
2.5°	339.1	338.1	337.1	337.1	337.1	336.0	335.0	335.0	335.0	334.0	333.0
5°	280.0	305.5	331.0	332.0	334.0	333.0	332.0	331.0	329.9	328.9	326.9
7.5°	277.0	274.9	272.9	265.8	290.2	290.2	289.2	289.2	287.2	279.0	270.9
10°	211.8	210.8	208.8	211.8	216.9	234.2	250.5	249.5	246.4	227.1	207.7
12.5°	200.6	203.7	206.7	196.5	177.2	193.5	209.8	207.7	205.7	188.4	170.1
15°	170.1	172.1	174.1	190.4	220.0	235.2	249.5	247.5	245.4	225.0	203.7
17.5°	208.8	200.6	192.5	203.7	193.5	200.6	207.7	199.6	193.5	185.3	177.2
20°	200.6	179.2	157.8	190.4	228.1	240.3	252.5	249.5	243.4	224.0	203.7
22.5°	188.4	209.8	230.1	220.0	201.6	190.4	179.2	174.1	170.1	171.1	172.1
25°	239.3	211.8	183.3	232.2	261.7	265.8	268.8	259.7	249.5	228.1	205.7
27.5°	210.8	231.2	250.5	269.9	280.0	283.1	285.1	298.4	277.0	248.5	220.0
30°	265.8	283.1	300.4	343.2	377.8	383.9	390.0	374.7	357.4	322.8	288.2
32.5°	292.3	332.0	370.7	391.0	405.3	410.4	415.5	395.1	375.8	331.0	285.1
35°	347.2	376.8	406.3	429.7	457.2	458.2	459.3	436.9	412.4	347.2	282.1
37.5°	380.9	419.5	457.2	483.7	526.5	523.4	520.4	493.9	464.4	372.7	281.1
40°	431.8	481.7	530.5	556.0	607.9	598.8	589.6	559.1	526.5	400.2	273.9
42.5°	514.3	567.2	620.2	641.5	698.6	688.4	677.2	636.5	594.7	422.6	250.5
45°	624.2	672.1	720.0	757.6	802.4	786.1	769.9	726.1	665.0	442.0	218.9
47.5°	759.7	795.3	831.0	905.3	937.9	905.3	871.7	818.7	741.3	458.2	175.2
50°	939.9	948.1	955.2	1047.9	1080.4	1030.5	980.6	912.4	819.8	476.6	132.4
52.5°	1118.1	1102.8	1086.6	1186.3	1198.6	1132.4	1065.2	993.9	877.8	486.8	94.7
55°	1286.1	1264.8	1242.4	1313.6	1305.5	1217.9	1130.3	1043.8	913.4	489.8	66.2
57.5°	1414.5	1401.2	1387.0	1419.5	1389.0	1286.1	1183.3	1096.7	939.9	494.9	48.9
60°	1461.3	1490.8	1520.4	1516.3	1460.3	1351.3	1242.4	1150.7	956.2	496.9	36.7
62.5°	1435.8	1531.6	1626.3	1587.6	1519.3	1404.3	1288.2	1199.6	963.3	495.9	28.5
65°	1343.2	1527.5	1710.8	1646.6	1561.1	1446.0	1330.9	1251.5	971.5	496.9	22.4
67.5°	1124.2	1429.7	1734.2	1693.5	1595.7	1473.5	1350.3	1286.1	967.4	492.9	18.3
70°	703.7	1163.9	1624.2	1655.8	1595.7	1461.3	1326.9	1276.0	930.7	472.5	14.3
72.5°	298.4	821.8	1345.2	1482.7	1524.4	1394.1	1263.7	1200.6	852.3	431.8	11.2
75°	118.1	472.5	826.9	1044.8	1173.1	1118.1	1062.1	977.6	559.1	284.1	8.1
77.5°	79.4	215.9	352.3	513.2	612.0	633.4	654.8	558.0	223.0	115.1	6.1
80°	53.0	86.6	120.2	184.3	220.0	207.7	194.5	159.9	68.2	36.7	5.1
82.5°	33.6	44.8	56.0	63.1	65.2	46.8	28.5	23.4	8.1	6.1	3.1
85°	22.4	26.5	30.5	31.6	31.6	22.4	12.2	6.1	3.1	3.1	2.0
87.5°	6.1	7.1	7.1	7.1	5.1	4.1	3.1	2.0	2.0	2.0	2.0
90°	3.1	4.1	4.1	4.1	3.1	3.1	2.0	2.0	2.0	2.0	2.0



REPORT NUMBER: P560144

CATALOG NUMBER: SDL-PA1-30-722-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	338.1	338.1	338.1	338.1	338.1	338.1	338.1	338.1	338.1	338.1	338.1
2.5°	333.0	333.0	332.0	331.0	331.0	329.9	319.8	308.6	298.4	287.2	286.1
5°	313.6	299.4	286.1	272.9	270.9	267.8	267.8	266.8	266.8	265.8	265.8
7.5°	268.8	266.8	264.8	262.7	261.7	259.7	258.7	256.6	255.6	253.6	242.4
10°	203.7	198.6	198.6	197.6	199.6	201.6	200.6	198.6	211.8	225.0	224.0
12.5°	181.3	191.4	182.3	172.1	175.2	177.2	180.2	183.3	182.3	180.2	165.0
15°	182.3	159.9	152.7	144.6	148.7	151.7	125.3	97.8	92.7	87.6	81.5
17.5°	170.1	162.9	157.8	151.7	116.1	79.4	71.3	63.1	56.0	47.9	46.8
20°	172.1	139.5	130.3	120.2	92.7	65.2	49.9	34.6	30.5	26.5	30.5
22.5°	168.0	162.9	119.1	75.4	56.0	36.7	30.5	23.4	25.5	27.5	27.5
25°	157.8	110.0	85.5	61.1	42.8	23.4	24.4	24.4	22.4	19.3	21.4
27.5°	171.1	121.2	77.4	32.6	28.5	23.4	21.4	18.3	18.3	18.3	17.3
30°	197.6	105.9	66.2	26.5	22.4	18.3	17.3	16.3	15.3	13.2	14.3
32.5°	187.4	89.6	56.0	22.4	19.3	16.3	14.3	12.2	12.2	12.2	12.2
35°	170.1	57.0	38.7	19.3	16.3	13.2	12.2	10.2	10.2	10.2	10.2
37.5°	158.9	36.7	26.5	15.3	13.2	11.2	10.2	8.1	8.1	8.1	9.2
40°	149.7	25.5	19.3	13.2	11.2	8.1	7.1	6.1	7.1	7.1	7.1
42.5°	136.5	21.4	16.3	11.2	9.2	7.1	6.1	5.1	6.1	6.1	6.1
45°	119.1	19.3	14.3	9.2	8.1	6.1	5.1	4.1	5.1	5.1	5.1
47.5°	95.7	16.3	12.2	8.1	7.1	5.1	5.1	4.1	4.1	4.1	4.1
50°	74.3	15.3	11.2	7.1	6.1	4.1	4.1	3.1	4.1	4.1	4.1
52.5°	54.0	13.2	10.2	6.1	5.1	3.1	3.1	3.1	3.1	3.1	3.1
55°	38.7	11.2	8.1	5.1	4.1	3.1	3.1	2.0	3.1	3.1	3.1
57.5°	29.5	10.2	7.1	4.1	3.1	2.0	2.0	2.0	2.0	2.0	2.0
60°	23.4	9.2	7.1	4.1	3.1	2.0	2.0	1.0	2.0	2.0	2.0
62.5°	18.3	7.1	6.1	4.1	3.1	2.0	2.0	1.0	2.0	2.0	2.0
65°	14.3	6.1	5.1	3.1	2.0	1.0	1.0	1.0	2.0	2.0	2.0
67.5°	12.2	5.1	4.1	3.1	2.0	1.0	2.0	2.0	2.0	2.0	2.0
70°	10.2	5.1	4.1	3.1	2.0	1.0	2.0	2.0	3.1	3.1	2.0
72.5°	8.1	4.1	3.1	2.0	2.0	1.0	2.0	2.0	3.1	3.1	2.0
75°	6.1	3.1	3.1	2.0	2.0	1.0	2.0	3.1	3.1	3.1	2.0
77.5°	5.1	3.1	3.1	2.0	2.0	1.0	2.0	3.1	3.1	3.1	3.1
80°	4.1	2.0	2.0	2.0	1.0	0.0	2.0	4.1	4.1	3.1	3.1
82.5°	3.1	2.0	2.0	2.0	1.0	0.0	2.0	4.1	4.1	3.1	3.1
85°	2.0	2.0	2.0	2.0	2.0	1.0	3.1	4.1	4.1	3.1	3.1
87.5°	2.0	2.0	2.0	2.0	2.0	1.0	2.0	3.1	3.1	3.1	3.1
90°	2.0	2.0	3.1	3.1	2.0	1.0	2.0	3.1	3.1	3.1	3.1



REPORT NUMBER: P560144
 CATALOG NUMBER: SDL-PA1-30-722-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	338.1	338.1	338.1	338.1
2.5°	284.1	286.1	287.2	285.1
5°	264.8	264.8	263.7	266.8
7.5°	230.1	224.0	216.9	211.8
10°	222.0	216.9	211.8	212.8
12.5°	148.7	133.4	118.1	123.2
15°	75.4	71.3	67.2	67.2
17.5°	44.8	40.7	35.6	36.7
20°	33.6	33.6	33.6	33.6
22.5°	26.5	25.5	23.4	22.4
25°	22.4	22.4	22.4	22.4
27.5°	16.3	16.3	15.3	14.3
30°	14.3	14.3	14.3	13.2
32.5°	11.2	12.2	12.2	12.2
35°	10.2	10.2	10.2	10.2
37.5°	9.2	9.2	8.1	8.1
40°	7.1	7.1	7.1	7.1
42.5°	6.1	6.1	6.1	6.1
45°	5.1	5.1	5.1	5.1
47.5°	4.1	4.1	4.1	4.1
50°	4.1	4.1	3.1	3.1
52.5°	3.1	3.1	2.0	2.0
55°	2.0	2.0	2.0	2.0
57.5°	2.0	2.0	1.0	1.0
60°	2.0	2.0	1.0	1.0
62.5°	1.0	1.0	1.0	1.0
65°	1.0	1.0	0.0	0.0
67.5°	1.0	1.0	0.0	0.0
70°	1.0	1.0	0.0	0.0
72.5°	1.0	1.0	0.0	0.0
75°	1.0	1.0	0.0	0.0
77.5°	2.0	1.0	0.0	0.0
80°	2.0	2.0	1.0	0.0
82.5°	2.0	2.0	1.0	0.0
85°	2.0	2.0	1.0	0.0
87.5°	2.0	2.0	1.0	0.0
90°	2.0	2.0	1.0	0.0

(END OF REPORT)