Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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: P560048

Luminaire Tested: **SDL-PA1-20-750-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560048
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-14)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-20-750-U-SL3-HSS
Description:	Springdale
	(1) 70 CRI, 5000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2301 lumens
Efficiency:	N/A
Efficacy:	109.6 lumens/watt
Luminous Opening:	Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification:	Type IV - Medium
BUG Rating:	B0 - U0 - G1

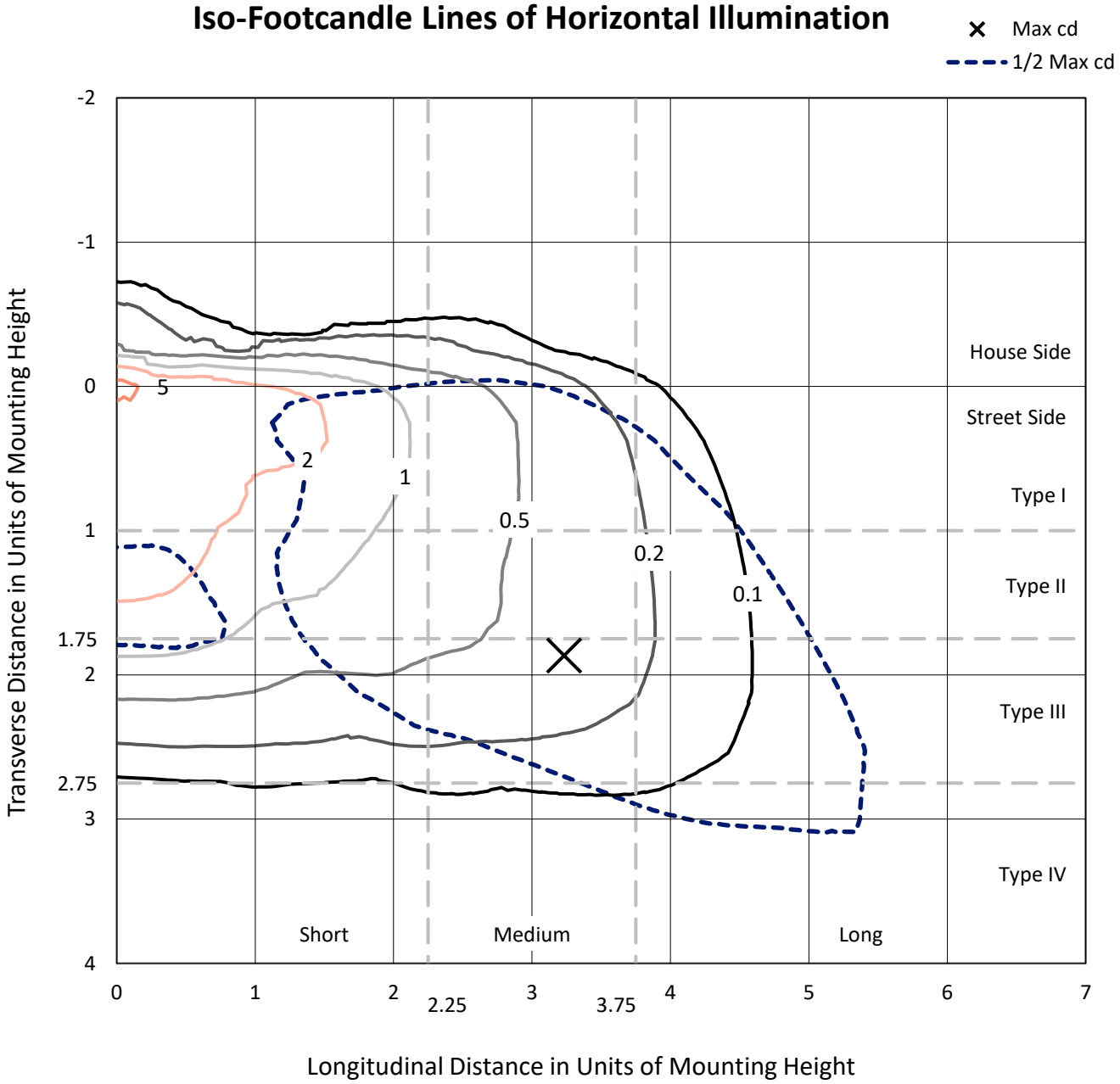
Input Watts (W):	21
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P560048
CATALOG NUMBER: SDL-PA1-20-750-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination



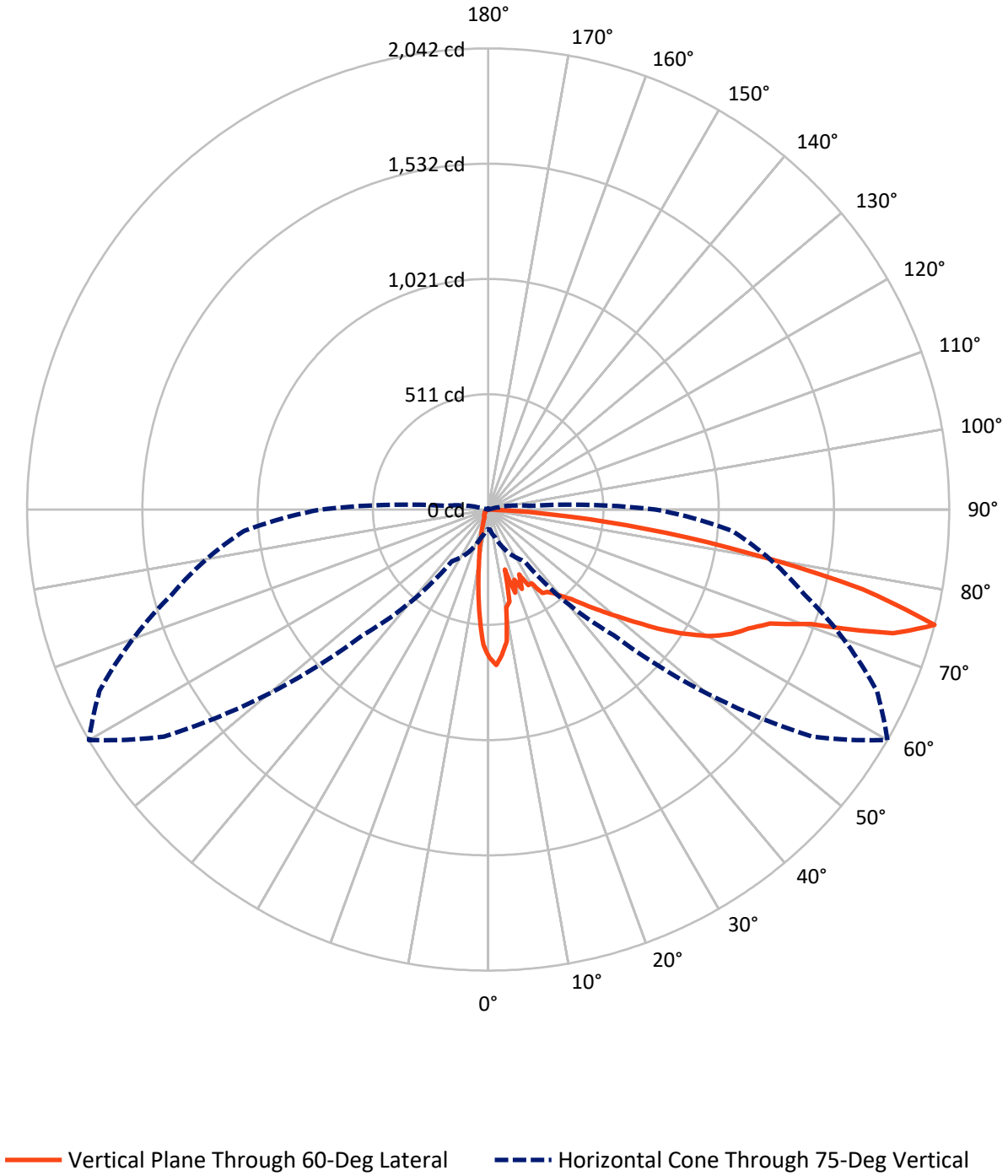
Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
Type IV - Medium - N/A

Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

REPORT NUMBER: P560048
CATALOG NUMBER: SDL-PA1-20-750-U-SL3-HSS

Luminous Intensity Polar Plot



Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

Scaled Data Report

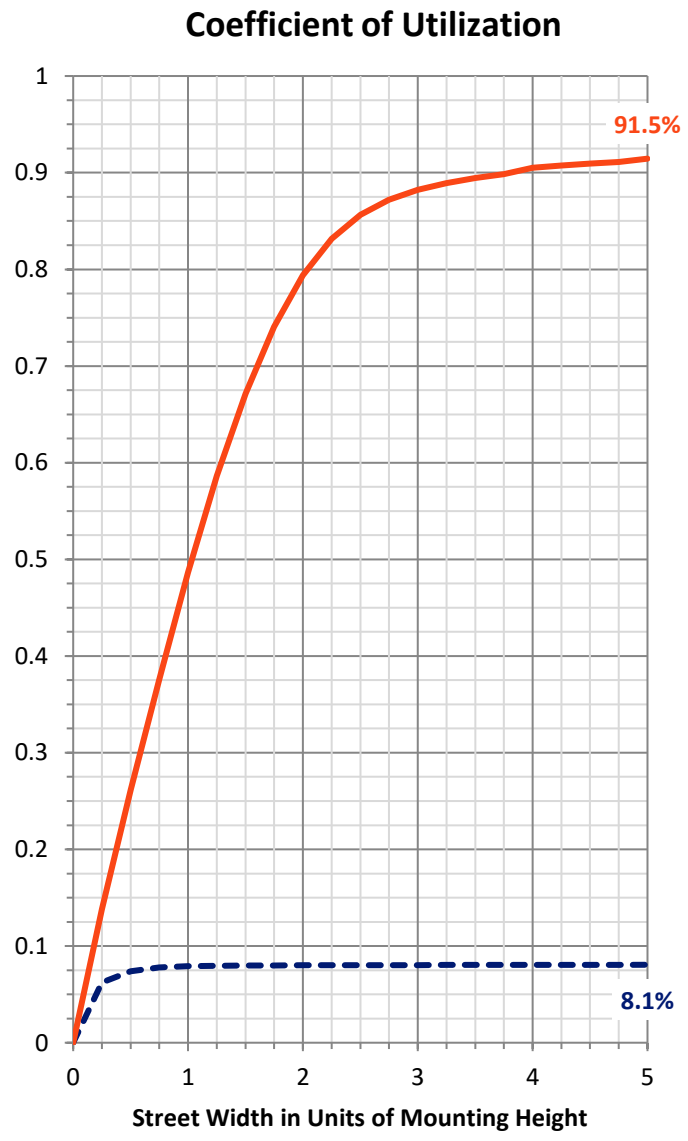
REPORT NUMBER: P560048
CATALOG NUMBER: SDL-PA1-20-750-U-SL3-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	187.5	0.0	187.5
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	2113.5	0.0	2113.5
	% Fixture	91.9	0.0	91.9
Total	Lumens	2301.0	0.0	2301.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	2.0
10°-20°	75.3	3.3
20°-30°	107.9	4.7
30°-40°	192.1	8.3
40°-50°	316.1	13.7
50°-60°	487.4	21.2
60°-70°	568.0	24.7
70°-80°	440.2	19.1
80°-90°	68.7	3.0
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°	2301.0	100.0
0°-180°	2301.0	100.0

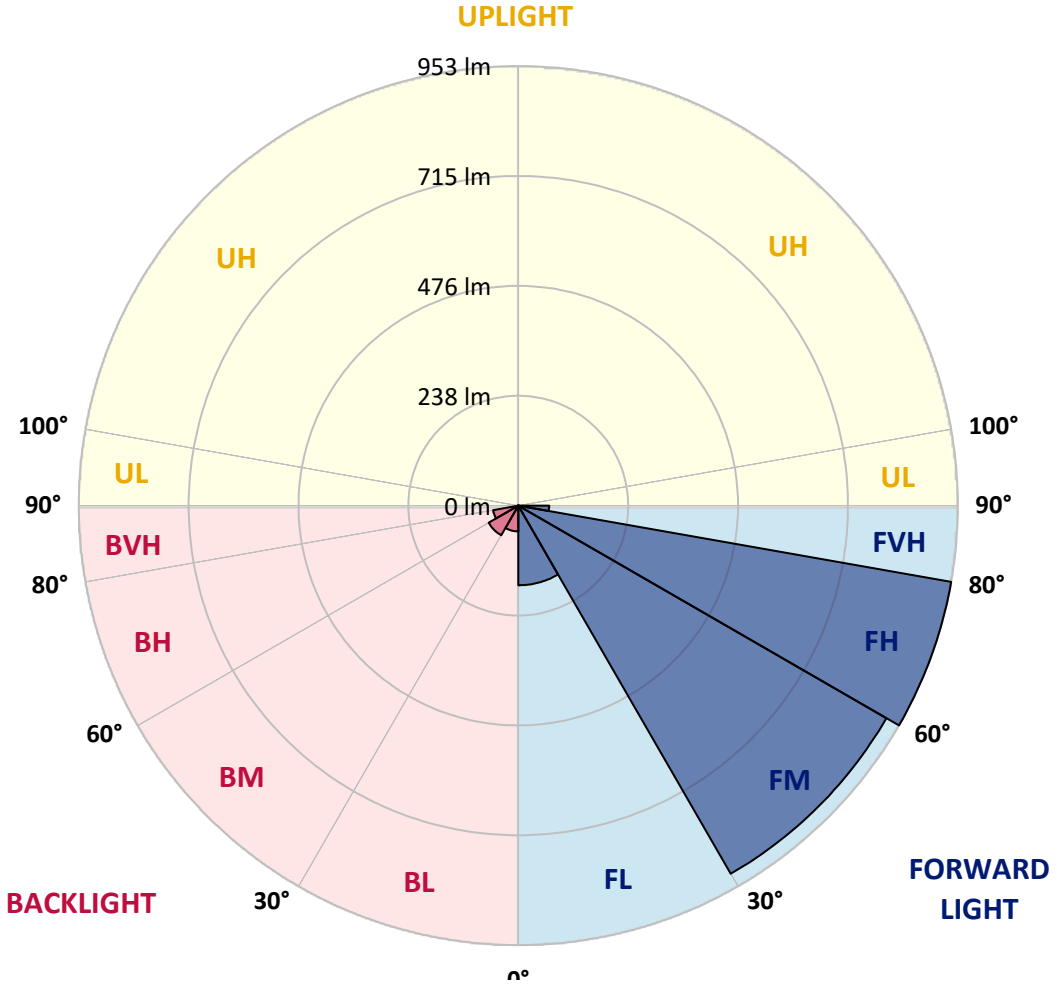


REPORT NUMBER: P560048
CATALOG NUMBER: SDL-PA1-20-750-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	172.6	7.5			
FM	(30°-60°)	921.3	40.0			
FH	(60°-80°)	952.8	41.4			G1/1800
FVH	(80°-90°)	66.8	2.9			G1/100
BL	(0°-30°)	55.9	2.4	B0/110		
BM	(30°-60°)	74.2	3.2	B0/220		
BH	(60°-80°)	55.5	2.4	B0/110		G0/110
BVH	(80°-90°)	1.9	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 IV Medium



REPORT NUMBER: P560048
CATALOG NUMBER: SDL-PA1-20-750-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7
2.5°	612.7	635.7	649.7	662.7	679.7	696.7	697.7	698.7	698.7	698.7	697.7
5°	591.7	593.7	593.7	593.7	596.7	599.7	601.7	602.7	603.7	603.7	602.7
7.5°	462.8	499.8	522.8	544.7	550.7	556.7	564.7	571.7	577.7	582.7	586.7
10°	512.8	516.8	516.8	515.8	520.8	524.8	485.8	445.8	461.8	477.8	457.8
12.5°	395.8	415.8	440.8	464.8	480.8	496.8	478.8	460.8	432.8	403.8	401.8
15°	462.8	465.8	466.8	467.8	440.8	412.8	379.8	345.8	368.8	391.8	358.8
17.5°	355.8	358.8	386.8	414.8	417.8	420.8	399.8	377.8	329.8	281.9	326.8
20°	425.8	427.8	427.8	427.8	374.8	321.8	325.8	328.8	343.8	358.8	347.8
22.5°	342.8	338.8	340.8	341.8	357.8	372.8	341.8	309.9	332.8	354.8	335.8
25°	428.8	429.8	423.8	416.8	369.8	321.8	338.8	354.8	327.8	299.9	326.8
27.5°	387.8	383.8	369.8	355.8	362.8	369.8	337.8	304.9	330.8	355.8	343.8
30°	510.8	508.8	490.8	471.8	415.8	358.8	352.8	345.8	330.8	314.9	335.8
32.5°	681.7	657.7	590.7	522.8	487.8	451.8	407.8	363.8	368.8	372.8	375.8
35°	719.7	708.7	679.7	650.7	596.7	541.7	481.8	420.8	406.8	392.8	400.8
37.5°	729.7	725.7	721.7	716.7	652.7	588.7	528.7	467.8	456.8	444.8	435.8
40°	739.6	743.6	755.6	766.6	706.7	646.7	590.7	533.7	520.8	507.8	484.8
42.5°	779.6	782.6	800.6	818.6	760.6	701.7	652.7	603.7	584.7	565.7	544.7
45°	864.6	867.6	877.6	887.6	833.6	778.6	724.7	669.7	654.7	638.7	614.7
47.5°	982.5	985.5	980.5	975.5	913.6	850.6	786.6	722.7	717.7	712.7	687.7
50°	1117.5	1113.5	1086.5	1059.5	991.5	923.6	848.6	772.6	776.6	780.6	762.6
52.5°	1179.4	1177.4	1146.5	1115.5	1045.5	974.5	896.6	817.6	831.6	844.6	834.6
55°	1175.4	1174.4	1153.5	1132.5	1066.5	1000.5	927.6	854.6	886.6	917.6	911.6
57.5°	1131.5	1133.5	1130.5	1127.5	1069.5	1011.5	952.5	893.6	941.6	988.5	996.5
60°	1062.5	1062.5	1077.5	1091.5	1057.5	1022.5	973.5	923.6	989.5	1055.5	1075.5
62.5°	918.6	934.6	966.5	998.5	1009.5	1020.5	980.5	940.6	1031.5	1122.5	1151.5
65°	707.7	714.7	772.6	830.6	884.6	937.6	940.6	943.6	1082.5	1220.4	1230.4
67.5°	410.8	439.8	503.8	566.7	672.7	777.6	831.6	885.6	1104.5	1322.4	1333.4
70°	215.9	227.9	258.9	288.9	383.8	477.8	611.7	744.6	1053.5	1361.4	1457.3
72.5°	147.9	158.9	175.9	192.9	228.9	263.9	359.8	454.8	838.6	1222.4	1520.3
75°	*87.0*	*90.0*	*110.9*	*131.9*	*170.9*	*209.9*	*244.9*	*278.9*	*533.7*	*787.6*	*1270.4*
77.5°	35.0	38.0	47.0	56.0	110.9	164.9	200.9	236.9	297.9	358.8	872.6
80°	19.0	19.0	23.0	26.0	50.0	73.0	134.9	196.9	226.9	256.9	565.7
82.5°	11.0	11.0	14.0	16.0	25.0	34.0	77.0	119.9	176.9	232.9	381.8
85°	4.0	4.0	5.0	6.0	12.0	17.0	28.0	38.0	109.9	180.9	219.9
87.5°	1.0	1.0	2.0	2.0	3.0	4.0	5.0	5.0	4.0	3.0	20.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560048
CATALOG NUMBER: SDL-PA1-20-750-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	655.7	*655.7*	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7
2.5°	695.7	*689.7*	685.7	678.7	671.7	665.7	658.7	649.7	642.7	633.7	624.7
5°	601.7	*643.7*	686.7	682.7	677.7	663.7	649.7	633.7	618.7	600.7	582.7
7.5°	589.7	*588.7*	547.7	568.7	588.7	572.7	556.7	538.7	518.8	483.8	448.8
10°	437.8	*440.8*	439.8	444.8	449.8	462.8	474.8	448.8	423.8	368.8	312.9
12.5°	399.8	*418.8*	423.8	389.8	355.8	369.8	383.8	357.8	332.8	281.9	230.9
15°	324.8	*275.9*	345.8	391.8	436.8	443.8	449.8	415.8	375.8	305.9	234.9
17.5°	370.8	*387.8*	367.8	368.8	368.8	369.8	370.8	339.8	299.9	246.9	193.9
20°	336.8	*331.8*	333.8	366.8	399.8	421.8	442.8	395.8	344.8	262.9	179.9
22.5°	316.8	*381.8*	409.8	395.8	381.8	346.8	310.9	274.9	232.9	191.9	149.9
25°	352.8	*318.8*	340.8	394.8	448.8	448.8	448.8	386.8	317.8	229.9	141.9
27.5°	331.8	*378.8*	400.8	443.8	485.8	503.8	520.8	441.8	350.8	241.9	131.9
30°	356.8	*378.8*	456.8	542.7	628.7	613.7	597.7	496.8	381.8	253.9	125.9
32.5°	378.8	*440.8*	509.8	574.7	639.7	622.7	604.7	492.8	363.8	228.9	94.0
35°	408.8	*448.8*	512.8	591.7	670.7	644.7	617.7	494.8	349.8	209.9	70.0
37.5°	426.8	*470.8*	539.7	622.7	704.7	672.7	640.7	503.8	337.8	195.9	54.0
40°	460.8	*504.8*	573.7	660.7	747.6	710.7	672.7	519.8	330.8	187.9	45.0
42.5°	523.8	*543.7*	620.7	712.7	804.6	765.6	725.7	553.7	328.8	183.9	39.0
45°	589.7	*602.7*	670.7	773.6	875.6	835.6	794.6	595.7	335.8	186.9	37.0
47.5°	661.7	*668.7*	730.7	858.6	986.5	931.6	876.6	653.7	350.8	192.9	35.0
50°	744.6	*744.6*	804.6	942.6	1080.5	1023.5	966.5	721.7	369.8	201.9	34.0
52.5°	823.6	*834.6*	880.6	1021.5	1162.4	1109.5	1055.5	796.6	394.8	213.9	32.0
55°	904.6	*939.6*	956.5	1100.5	1244.4	1183.4	1122.5	851.6	409.8	219.9	30.0
57.5°	1004.5	*1041.5*	1050.5	1172.4	1294.4	1235.4	1175.4	898.6	420.8	224.9	29.0
60°	1095.5	*1137.5*	1155.5	1245.4	1334.4	1273.4	1212.4	939.6	430.8	228.9	26.0
62.5°	1179.4	*1211.4*	1239.4	1297.4	1355.4	1298.4	1240.4	975.5	436.8	229.9	23.0
65°	1240.4	*1269.4*	1309.4	1342.4	1375.3	1332.4	1289.4	1037.5	453.8	235.9	17.0
67.5°	1343.4	*1346.4*	1369.4	1396.3	1423.3	1400.3	1377.3	1123.5	473.8	243.9	13.0
70°	1552.3	*1518.3*	1488.3	1515.3	1541.3	1509.3	1477.3	1148.5	427.8	218.9	10.0
72.5°	1818.1	*1875.1*	1730.2	1674.2	1617.2	1499.3	1380.3	988.5	303.9	155.9	8.0
75°	*1753.2*	*2042.0*	*1899.1*	*1674.2*	*1449.3*	*1267.4*	*1084.5*	*741.6*	*186.9*	*97.0*	*6.0*
77.5°	1385.3	*1695.2*	1644.2	1412.3	1179.4	955.5	731.7	455.8	66.0	36.0	6.0
80°	874.6	*1172.4*	1128.5	917.6	705.7	501.8	297.9	138.9	25.0	16.0	7.0
82.5°	530.7	*698.7*	548.7	343.8	138.9	98.0	57.0	30.0	8.0	7.0	6.0
85°	257.9	*288.9*	188.9	108.9	28.0	26.0	23.0	15.0	4.0	4.0	3.0
87.5°	36.0	*26.0*	16.0	11.0	5.0	5.0	5.0	3.0	3.0	3.0	2.0
90°	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560048
CATALOG NUMBER: SDL-PA1-20-750-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7	655.7
2.5°	617.7	609.7	600.7	591.7	581.7	571.7	542.7	512.8	496.8	479.8	475.8
5°	549.7	516.8	475.8	433.8	415.8	397.8	388.8	378.8	372.8	365.8	359.8
7.5°	402.8	355.8	355.8	354.8	339.8	324.8	307.9	289.9	278.9	267.9	238.9
10°	287.9	261.9	243.9	225.9	218.9	211.9	189.9	166.9	168.9	169.9	163.9
12.5°	222.9	213.9	180.9	147.9	136.9	125.9	118.9	111.9	102.0	92.0	85.0
15°	190.9	146.9	121.9	97.0	86.0	74.0	64.0	53.0	50.0	46.0	51.0
17.5°	156.9	118.9	95.0	71.0	55.0	39.0	41.0	43.0	47.0	51.0	53.0
20°	134.9	90.0	69.0	48.0	43.0	38.0	40.0	41.0	40.0	38.0	44.0
22.5°	109.9	70.0	53.0	35.0	36.0	37.0	34.0	31.0	37.0	43.0	43.0
25°	94.0	46.0	41.0	36.0	33.0	30.0	34.0	37.0	35.0	33.0	38.0
27.5°	86.0	40.0	35.0	30.0	31.0	32.0	31.0	29.0	32.0	35.0	34.0
30°	82.0	37.0	34.0	30.0	29.0	27.0	28.0	28.0	27.0	26.0	29.0
32.5°	66.0	38.0	33.0	27.0	26.0	24.0	23.0	22.0	23.0	24.0	25.0
35°	53.0	35.0	31.0	26.0	24.0	22.0	21.0	19.0	19.0	19.0	20.0
37.5°	43.0	32.0	28.0	23.0	21.0	19.0	18.0	16.0	16.0	16.0	16.0
40°	38.0	30.0	26.0	21.0	19.0	16.0	15.0	13.0	13.0	12.0	12.0
42.5°	33.0	27.0	23.0	18.0	16.0	14.0	12.0	10.0	10.0	9.0	9.0
45°	31.0	25.0	21.0	17.0	14.0	11.0	10.0	8.0	8.0	7.0	7.0
47.5°	30.0	24.0	20.0	15.0	12.0	9.0	8.0	6.0	6.0	6.0	6.0
50°	28.0	22.0	18.0	13.0	11.0	8.0	7.0	5.0	5.0	5.0	5.0
52.5°	27.0	21.0	16.0	11.0	9.0	6.0	5.0	4.0	4.0	4.0	4.0
55°	26.0	22.0	16.0	10.0	8.0	5.0	4.0	3.0	3.0	3.0	3.0
57.5°	25.0	21.0	15.0	8.0	6.0	4.0	3.0	2.0	2.0	2.0	2.0
60°	22.0	18.0	12.0	6.0	5.0	3.0	2.0	1.0	2.0	2.0	2.0
62.5°	19.0	14.0	10.0	5.0	4.0	2.0	2.0	1.0	2.0	2.0	2.0
65°	14.0	11.0	8.0	4.0	3.0	1.0	1.0	1.0	2.0	2.0	2.0
67.5°	11.0	8.0	6.0	3.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0
70°	8.0	6.0	4.0	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0
72.5°	6.0	4.0	3.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0	2.0
75°	*5.0*	*4.0*	*3.0*	*2.0*	*2.0*	*1.0*	*2.0*	*2.0*	*3.0*	*3.0*	*3.0*
77.5°	5.0	3.0	3.0	2.0	2.0	1.0	2.0	3.0	3.0	3.0	3.0
80°	5.0	3.0	3.0	2.0	2.0	1.0	2.0	3.0	3.0	3.0	3.0
82.5°	5.0	3.0	3.0	2.0	2.0	1.0	2.0	3.0	3.0	3.0	3.0
85°	3.0	3.0	3.0	3.0	2.0	1.0	3.0	4.0	4.0	3.0	3.0
87.5°	2.0	2.0	3.0	3.0	2.0	1.0	3.0	4.0	4.0	3.0	3.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P560048
CATALOG NUMBER: SDL-PA1-20-750-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	655.7	655.7	655.7	655.7
2.5°	470.8	465.8	459.8	471.8
5°	353.8	349.8	345.8	352.8
7.5°	209.9	210.9	210.9	199.9
10°	156.9	147.9	137.9	137.9
12.5°	78.0	72.0	66.0	65.0
15°	56.0	57.0	58.0	58.0
17.5°	55.0	53.0	50.0	48.0
20°	49.0	51.0	52.0	52.0
22.5°	43.0	42.0	40.0	40.0
25°	43.0	44.0	45.0	45.0
27.5°	33.0	33.0	32.0	32.0
30°	32.0	32.0	32.0	32.0
32.5°	25.0	26.0	26.0	26.0
35°	21.0	21.0	21.0	21.0
37.5°	16.0	16.0	16.0	15.0
40°	12.0	12.0	12.0	12.0
42.5°	9.0	9.0	9.0	9.0
45°	7.0	7.0	7.0	7.0
47.5°	6.0	6.0	5.0	5.0
50°	4.0	4.0	4.0	4.0
52.5°	3.0	3.0	3.0	3.0
55°	2.0	2.0	2.0	2.0
57.5°	2.0	2.0	2.0	2.0
60°	1.0	1.0	1.0	1.0
62.5°	1.0	1.0	1.0	1.0
65°	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0
72.5°	2.0	2.0	1.0	1.0
75°	*2.0*	*2.0*	*1.0*	*1.0*
77.5°	2.0	2.0	1.0	1.0
80°	2.0	2.0	1.0	1.0
82.5°	2.0	2.0	1.0	1.0
85°	2.0	2.0	2.0	1.0
87.5°	2.0	2.0	2.0	1.0
90°	0.0	0.0	0.0	0.0

Report Generated By 670245982

HS SS

0

(END OF REPORT)