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: P560400

Luminaire Tested: **SDL-PA1-40-750-U-SL3-HSS**

Issue Date: 7/26/2021

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

Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P560400
	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-PA1-40-750-U-SL3-HSS
Description:	Springdale
	(1) 70 CRI, 5000K, 500mA 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:	4140.5 lumens
Efficiency:	N/A
Efficacy:	105.1 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 - G2

Input Watts (W):	39.4
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

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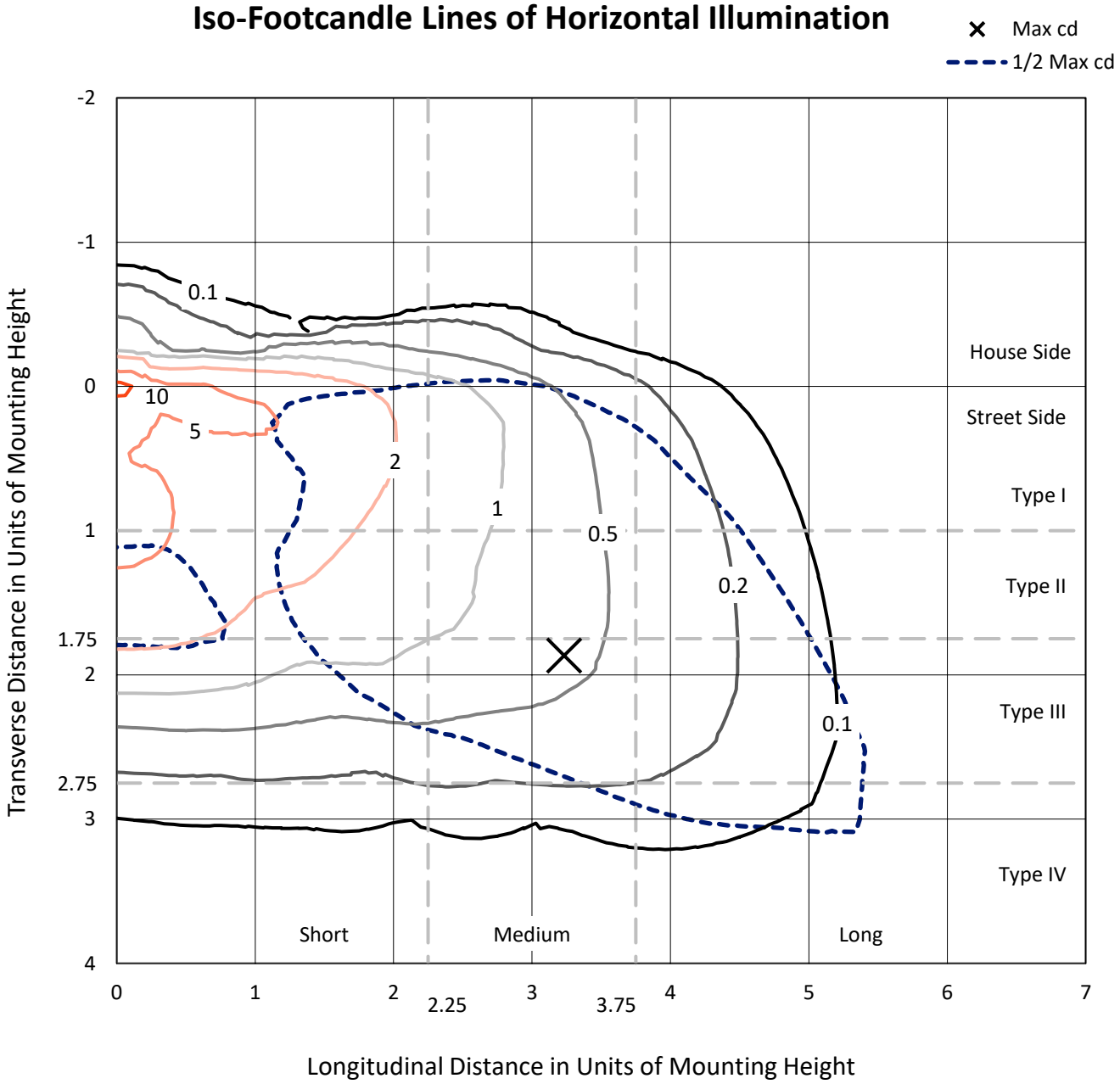
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 11.8 fc
Type IV - Medium - N/A

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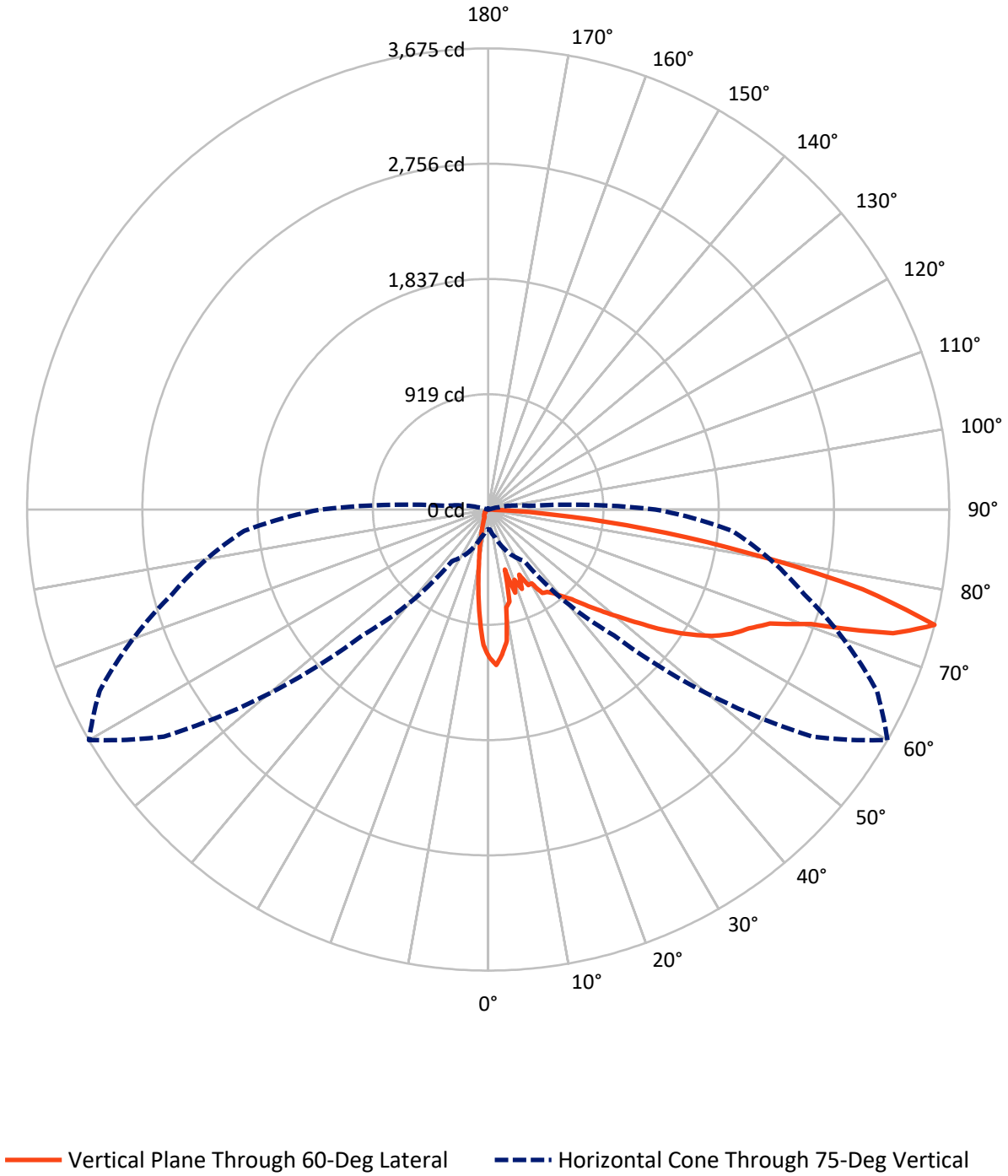
Luminous Intensity Polar Plot



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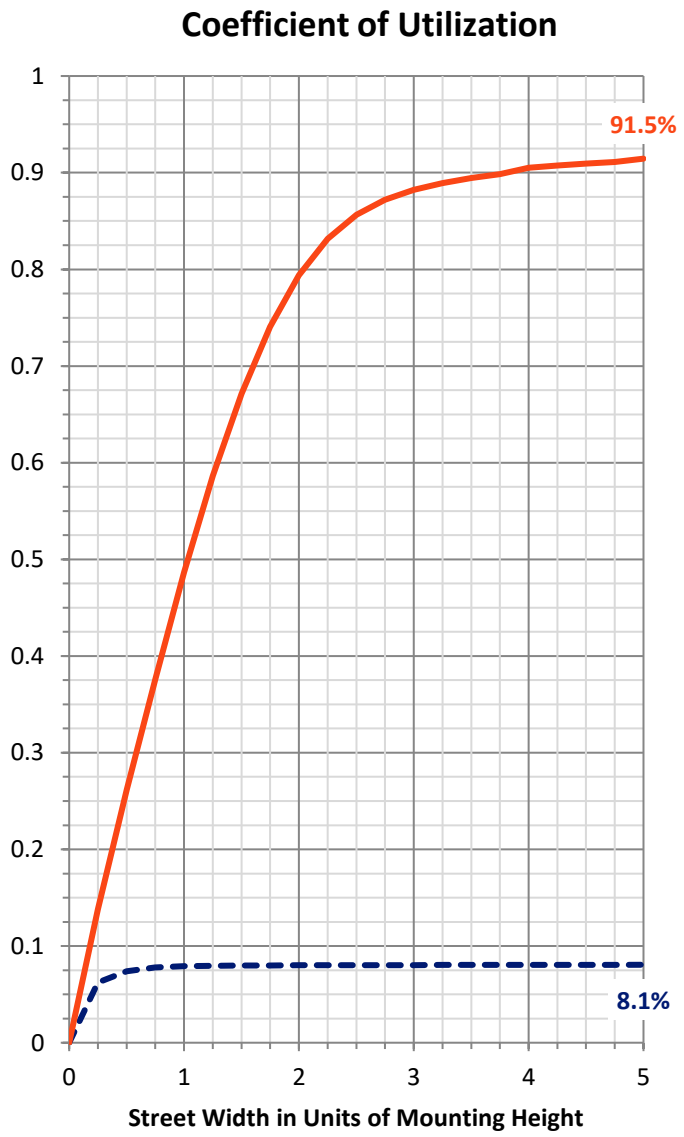
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	337.3	0.0	337.3
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	3803.2	0.0	3803.2
	% Fixture	91.9	0.0	91.9
Total	Lumens	4140.5	0.0	4140.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.6	2.0
10°-20°	135.5	3.3
20°-30°	194.1	4.7
30°-40°	345.6	8.3
40°-50°	568.8	13.7
50°-60°	877.0	21.2
60°-70°	1022.1	24.7
70°-80°	792.1	19.1
80°-90°	123.7	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°	4140.5	100.0
0°-180°	4140.5	100.0



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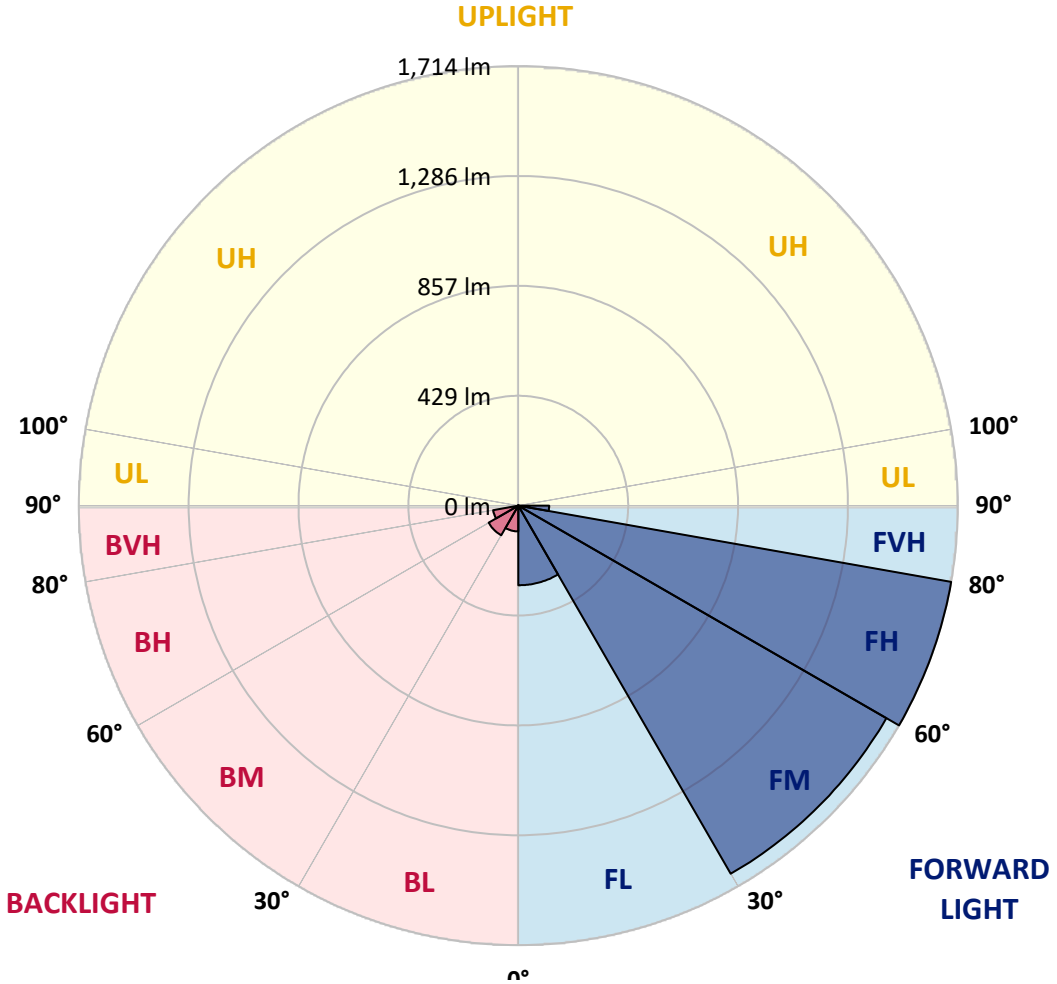
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	310.6	7.5			
FM	(30°-60°)	1657.9	40.0			
FH	(60°-80°)	1714.4	41.4			G1/1800
FVH	(80°-90°)	120.3	2.9			G2/225
BL	(0°-30°)	100.6	2.4	B0/110		
BM	(30°-60°)	133.6	3.2	B0/220		
BH	(60°-80°)	99.8	2.4	B0/110		G0/110
BVH	(80°-90°)	3.4	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-G2
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9
2.5°	1102.5	1143.9	1169.1	1192.5	1223.0	1253.6	1255.4	1257.2	1257.2	1257.2	1255.4
5°	1064.8	1068.4	1068.4	1068.4	1073.8	1079.2	1082.7	1084.5	1086.3	1086.3	1084.5
7.5°	832.7	899.3	940.7	980.2	991.0	1001.8	1016.2	1028.8	1039.6	1048.6	1055.8
10°	922.7	929.9	929.9	928.1	937.1	944.3	874.1	802.2	830.9	859.7	823.8
12.5°	712.2	748.2	793.2	836.3	865.1	893.9	861.5	829.1	778.8	726.6	723.0
15°	832.7	838.1	839.9	841.7	793.2	742.8	683.5	622.3	663.7	705.0	645.7
17.5°	640.3	645.7	696.1	746.4	751.8	757.2	719.4	679.9	593.5	507.2	588.1
20°	766.2	769.8	769.8	769.8	674.5	579.1	586.3	591.7	618.7	645.7	625.9
22.5°	616.9	609.7	613.3	615.1	643.9	670.9	615.1	557.6	598.9	638.5	604.3
25°	771.6	773.4	762.6	750.0	665.5	579.1	609.7	638.5	589.9	539.6	588.1
27.5°	697.9	690.7	665.5	640.3	652.9	665.5	607.9	548.6	595.3	640.3	618.7
30°	919.1	915.5	883.1	848.9	748.2	645.7	634.9	622.3	595.3	566.6	604.3
32.5°	1226.6	1183.5	1063.0	940.7	877.7	813.0	733.8	654.7	663.7	670.9	676.3
35°	1295.0	1275.2	1223.0	1170.9	1073.8	974.8	866.9	757.2	732.0	706.8	721.2
37.5°	1313.0	1305.8	1298.6	1289.6	1174.5	1059.4	951.5	841.7	822.0	800.4	784.2
40°	1331.0	1338.1	1359.7	1379.5	1271.6	1163.7	1063.0	960.4	937.1	913.7	872.3
42.5°	1402.9	1408.3	1440.7	1473.0	1368.7	1262.6	1174.5	1086.3	1052.2	1018.0	980.2
45°	1555.8	1561.2	1579.2	1597.1	1500.0	1401.1	1304.0	1205.1	1178.1	1149.3	1106.1
47.5°	1768.0	1773.4	1764.4	1755.4	1643.9	1530.6	1415.5	1300.4	1291.4	1282.4	1237.4
50°	2010.8	2003.6	1955.1	1906.5	1784.2	1661.9	1527.0	1390.3	1397.5	1404.7	1372.3
52.5°	2122.3	2118.7	2063.0	2007.2	1881.3	1753.6	1613.3	1471.2	1496.4	1519.8	1501.8
55°	2115.1	2113.3	2075.6	2037.8	1919.1	1800.4	1669.1	1537.8	1595.3	1651.1	1640.3
57.5°	2036.0	2039.6	2034.2	2028.8	1924.5	1820.2	1714.1	1607.9	1694.3	1778.8	1793.2
60°	1911.9	1911.9	1938.9	1964.1	1902.9	1840.0	1751.8	1661.9	1780.6	1899.3	1935.3
62.5°	1652.9	1681.7	1739.2	1796.8	1816.6	1836.4	1764.4	1692.5	1856.1	2019.8	2072.0
65°	1273.4	1286.0	1390.3	1494.6	1591.7	1687.1	1692.5	1697.9	1947.9	2196.1	2214.1
67.5°	739.2	791.4	906.5	1019.8	1210.4	1399.3	1496.4	1593.5	1987.4	2379.5	2399.3
70°	388.5	410.1	465.8	519.8	690.7	859.7	1100.7	1339.9	1895.7	2449.7	2622.3
72.5°	266.2	286.0	316.6	347.1	411.9	474.8	647.5	818.4	1509.0	2199.7	2735.6
75°	*156.5*	*161.9*	*199.6*	*237.4*	*307.6*	*377.7*	*440.7*	*501.8*	*960.4*	*1417.3*	*2286.0*
77.5°	63.0	68.3	84.5	100.7	199.6	296.8	361.5	426.3	536.0	645.7	1570.2
80°	34.2	34.2	41.4	46.8	89.9	131.3	242.8	354.3	408.3	462.2	1018.0
82.5°	19.8	19.8	25.2	28.8	45.0	61.2	138.5	215.8	318.3	419.1	687.1
85°	7.2	7.2	9.0	10.8	21.6	30.6	50.4	68.3	197.8	325.5	395.7
87.5°	1.8	1.8	3.6	3.6	5.4	7.2	9.0	9.0	7.2	5.4	36.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1179.9	*1179.9*	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9
2.5°	1251.8	*1241.0*	1233.8	1221.2	1208.7	1197.9	1185.3	1169.1	1156.5	1140.3	1124.1
5°	1082.7	*1158.3*	1235.6	1228.4	1219.4	1194.3	1169.1	1140.3	1113.3	1081.0	1048.6
7.5°	1061.2	*1059.4*	985.6	1023.4	1059.4	1030.6	1001.8	969.4	933.5	870.5	807.6
10°	787.8	*793.2*	791.4	800.4	809.4	832.7	854.3	807.6	762.6	663.7	563.0
12.5°	719.4	*753.6*	762.6	701.4	640.3	665.5	690.7	643.9	598.9	507.2	415.5
15°	584.5	*496.4*	622.3	705.0	786.0	798.6	809.4	748.2	676.3	550.4	422.7
17.5°	667.3	*697.9*	661.9	663.7	663.7	665.5	667.3	611.5	539.6	444.3	348.9
20°	606.1	*597.1*	600.7	660.1	719.4	759.0	796.8	712.2	620.5	473.0	323.7
22.5°	570.2	*687.1*	737.4	712.2	687.1	624.1	559.4	494.6	419.1	345.3	269.8
25°	634.9	*573.7*	613.3	710.4	807.6	807.6	807.6	696.1	572.0	413.7	255.4
27.5°	597.1	*681.7*	721.2	798.6	874.1	906.5	937.1	795.0	631.3	435.3	237.4
30°	642.1	*681.7*	822.0	976.6	1131.3	1104.3	1075.6	893.9	687.1	456.8	226.6
32.5°	681.7	*793.2*	917.3	1034.2	1151.1	1120.5	1088.1	886.7	654.7	411.9	169.1
35°	735.6	*807.6*	922.7	1064.8	1206.9	1160.1	1111.5	890.3	629.5	377.7	125.9
37.5°	768.0	*847.1*	971.2	1120.5	1268.0	1210.4	1152.9	906.5	607.9	352.5	97.1
40°	829.1	*908.3*	1032.4	1188.9	1345.3	1278.8	1210.4	935.3	595.3	338.1	80.9
42.5°	942.5	*978.4*	1116.9	1282.4	1447.9	1377.7	1305.8	996.4	591.7	330.9	70.1
45°	1061.2	*1084.5*	1206.9	1392.1	1575.6	1503.6	1429.9	1072.0	604.3	336.3	66.5
47.5°	1190.7	*1203.3*	1314.8	1545.0	1775.2	1676.3	1577.4	1176.3	631.3	347.1	63.0
50°	1339.9	*1339.9*	1447.9	1696.1	1944.3	1841.8	1739.2	1298.6	665.5	363.3	61.2
52.5°	1482.0	*1501.8*	1584.6	1838.2	2091.8	1996.4	1899.3	1433.5	710.4	384.9	57.6
55°	1627.7	*1690.7*	1721.2	1980.2	2239.2	2129.5	2019.8	1532.4	737.4	395.7	54.0
57.5°	1807.6	*1874.1*	1890.3	2109.7	2329.2	2223.1	2115.1	1616.9	757.2	404.7	52.2
60°	1971.3	*2046.8*	2079.2	2241.0	2401.1	2291.4	2181.7	1690.7	775.2	411.9	46.8
62.5°	2122.3	*2179.9*	2230.2	2334.6	2438.9	2336.4	2232.0	1755.4	786.0	413.7	41.4
65°	2232.0	*2284.2*	2356.1	2415.5	2474.9	2397.5	2320.2	1866.9	816.6	424.5	30.6
67.5°	2417.3	*2422.7*	2464.1	2512.6	2561.2	2519.8	2478.5	2021.6	852.5	438.9	23.4
70°	2793.2	*2732.1*	2678.1	2726.7	2773.4	2715.9	2658.3	2066.6	769.8	393.9	18.0
72.5°	3271.6	*3374.1*	3113.4	3012.6	2910.1	2697.9	2483.8	1778.8	546.8	280.6	14.4
75°	*3154.7*	*3674.5*	*3417.3*	*3012.6*	*2608.0*	*2280.6*	*1951.5*	*1334.6*	*336.3*	*174.5*	*10.8*
77.5°	2492.8	*3050.4*	2958.7	2541.4	2122.3	1719.4	1316.6	820.2	118.7	64.7	10.8
80°	1573.8	*2109.7*	2030.6	1651.1	1269.8	902.9	536.0	250.0	45.0	28.8	12.6
82.5°	955.0	*1257.2*	987.4	618.7	250.0	176.3	102.5	54.0	14.4	12.6	10.8
85°	464.0	*519.8*	339.9	196.0	50.4	46.8	41.4	27.0	7.2	7.2	5.4
87.5°	64.7	*46.8*	28.8	19.8	9.0	9.0	9.0	5.4	5.4	5.4	3.6
90°	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9	1179.9
2.5°	1111.5	1097.1	1081.0	1064.8	1046.8	1028.8	976.6	922.7	893.9	863.3	856.1
5°	989.2	929.9	856.1	780.6	748.2	715.8	699.7	681.7	670.9	658.3	647.5
7.5°	724.8	640.3	640.3	638.5	611.5	584.5	554.0	521.6	501.8	482.0	429.9
10°	518.0	471.2	438.9	406.5	393.9	381.3	341.7	300.4	304.0	305.8	295.0
12.5°	401.1	384.9	325.5	266.2	246.4	226.6	214.0	201.4	183.5	165.5	152.9
15°	343.5	264.4	219.4	174.5	154.7	133.1	115.1	95.3	89.9	82.7	91.7
17.5°	282.4	214.0	170.9	127.7	98.9	70.1	73.7	77.3	84.5	91.7	95.3
20°	242.8	161.9	124.1	86.3	77.3	68.3	71.9	73.7	71.9	68.3	79.1
22.5°	197.8	125.9	95.3	63.0	64.7	66.5	61.2	55.8	66.5	77.3	77.3
25°	169.1	82.7	73.7	64.7	59.4	54.0	61.2	66.5	63.0	59.4	68.3
27.5°	154.7	71.9	63.0	54.0	55.8	57.6	55.8	52.2	57.6	63.0	61.2
30°	147.5	66.5	61.2	54.0	52.2	48.6	50.4	50.4	48.6	46.8	52.2
32.5°	118.7	68.3	59.4	48.6	46.8	43.2	41.4	39.6	41.4	43.2	45.0
35°	95.3	63.0	55.8	46.8	43.2	39.6	37.8	34.2	34.2	34.2	36.0
37.5°	77.3	57.6	50.4	41.4	37.8	34.2	32.4	28.8	28.8	28.8	28.8
40°	68.3	54.0	46.8	37.8	34.2	28.8	27.0	23.4	23.4	21.6	21.6
42.5°	59.4	48.6	41.4	32.4	28.8	25.2	21.6	18.0	18.0	16.2	16.2
45°	55.8	45.0	37.8	30.6	25.2	19.8	18.0	14.4	14.4	12.6	12.6
47.5°	54.0	43.2	36.0	27.0	21.6	16.2	14.4	10.8	10.8	10.8	10.8
50°	50.4	39.6	32.4	23.4	19.8	14.4	12.6	9.0	9.0	9.0	9.0
52.5°	48.6	37.8	28.8	19.8	16.2	10.8	9.0	7.2	7.2	7.2	7.2
55°	46.8	39.6	28.8	18.0	14.4	9.0	7.2	5.4	5.4	5.4	5.4
57.5°	45.0	37.8	27.0	14.4	10.8	7.2	5.4	3.6	3.6	3.6	3.6
60°	39.6	32.4	21.6	10.8	9.0	5.4	3.6	1.8	3.6	3.6	3.6
62.5°	34.2	25.2	18.0	9.0	7.2	3.6	3.6	1.8	3.6	3.6	3.6
65°	25.2	19.8	14.4	7.2	5.4	1.8	1.8	1.8	3.6	3.6	3.6
67.5°	19.8	14.4	10.8	5.4	3.6	1.8	1.8	1.8	3.6	3.6	3.6
70°	14.4	10.8	7.2	3.6	3.6	1.8	1.8	1.8	3.6	3.6	3.6
72.5°	10.8	7.2	5.4	3.6	3.6	1.8	3.6	3.6	3.6	3.6	3.6
75°	*9.0*	*7.2*	*5.4*	*3.6*	*3.6*	*1.8*	*3.6*	*3.6*	*5.4*	*5.4*	*5.4*
77.5°	9.0	5.4	5.4	3.6	3.6	1.8	3.6	5.4	5.4	5.4	5.4
80°	9.0	5.4	5.4	3.6	3.6	1.8	3.6	5.4	5.4	5.4	5.4
82.5°	9.0	5.4	5.4	3.6	3.6	1.8	3.6	5.4	5.4	5.4	5.4
85°	5.4	5.4	5.4	5.4	3.6	1.8	5.4	7.2	7.2	5.4	5.4
87.5°	3.6	3.6	5.4	5.4	3.6	1.8	5.4	7.2	7.2	5.4	5.4
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: P560400
CATALOG NUMBER: SDL-PA1-40-750-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1179.9	1179.9	1179.9	1179.9
2.5°	847.1	838.1	827.3	848.9
5°	636.7	629.5	622.3	634.9
7.5°	377.7	379.5	379.5	359.7
10°	282.4	266.2	248.2	248.2
12.5°	140.3	129.5	118.7	116.9
15°	100.7	102.5	104.3	104.3
17.5°	98.9	95.3	89.9	86.3
20°	88.1	91.7	93.5	93.5
22.5°	77.3	75.5	71.9	71.9
25°	77.3	79.1	80.9	80.9
27.5°	59.4	59.4	57.6	57.6
30°	57.6	57.6	57.6	57.6
32.5°	45.0	46.8	46.8	46.8
35°	37.8	37.8	37.8	37.8
37.5°	28.8	28.8	28.8	27.0
40°	21.6	21.6	21.6	21.6
42.5°	16.2	16.2	16.2	16.2
45°	12.6	12.6	12.6	12.6
47.5°	10.8	10.8	9.0	9.0
50°	7.2	7.2	7.2	7.2
52.5°	5.4	5.4	5.4	5.4
55°	3.6	3.6	3.6	3.6
57.5°	3.6	3.6	3.6	3.6
60°	1.8	1.8	1.8	1.8
62.5°	1.8	1.8	1.8	1.8
65°	1.8	1.8	1.8	1.8
67.5°	1.8	1.8	1.8	1.8
70°	1.8	1.8	1.8	1.8
72.5°	3.6	3.6	1.8	1.8
75°	*3.6*	*3.6*	*1.8*	*1.8*
77.5°	3.6	3.6	1.8	1.8
80°	3.6	3.6	1.8	1.8
82.5°	3.6	3.6	1.8	1.8
85°	3.6	3.6	3.6	1.8
87.5°	3.6	3.6	3.6	1.8
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)