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: P560401

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

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:	P560401
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-16)
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
Description:	Springdale
	(1) 70 CRI, 5000K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	4932.3 lumens
Efficiency:	N/A
Efficacy:	125.2 lumens/watt
Luminous Opening:	Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

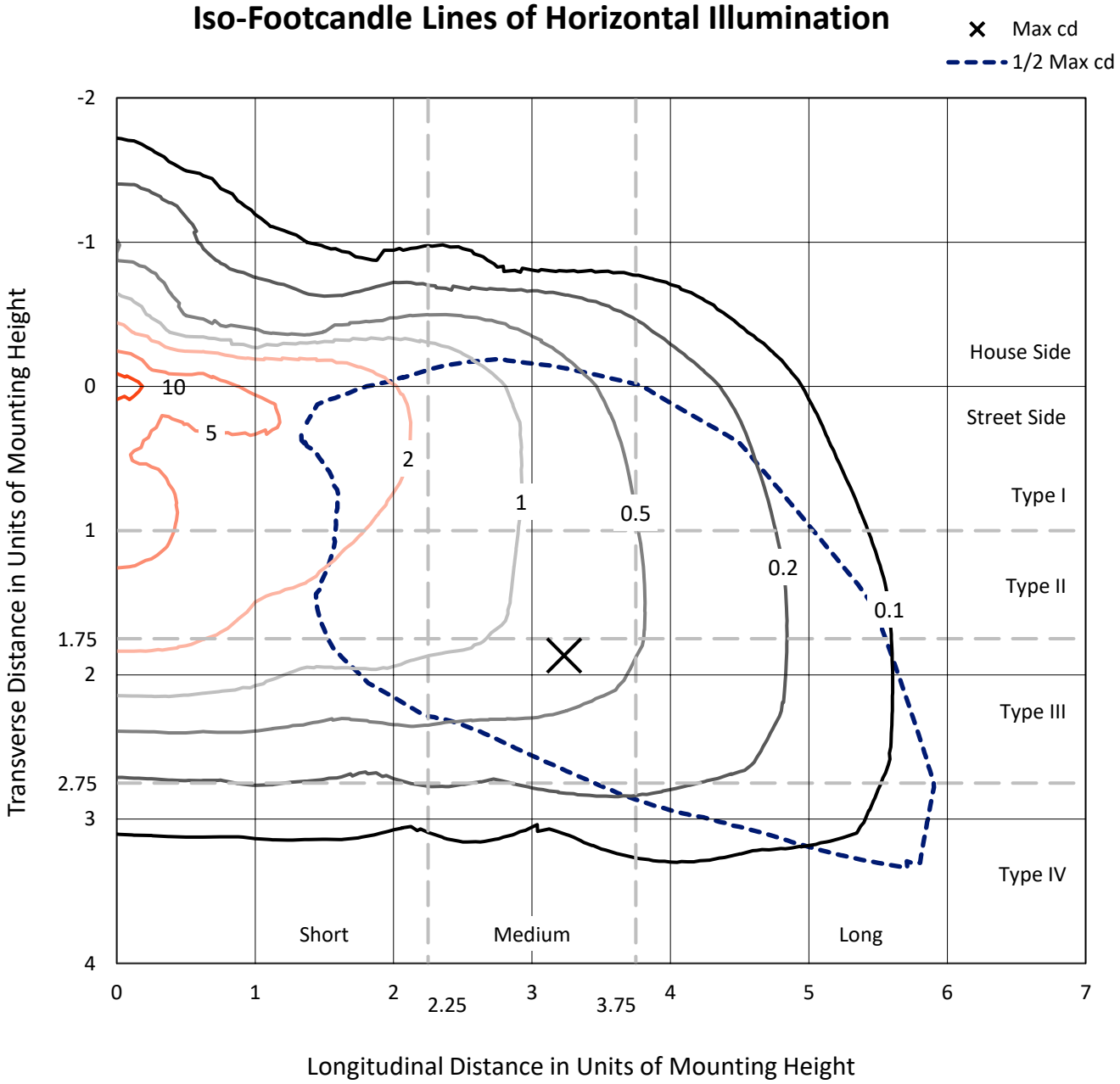
Input Watts (W):	39.4
Input Voltage (V):	NR
Input Current (Ain):	NR
Voltage Rise (V):	NR
Power Factor:	NR
Total Harmonic Distortion (THDi):	NR
Frequency (hertz):	60
Stabilization Time:	NR
Operation Time:	NR
Ambient Temperature (°C):	NR
Test Distance:	24 FT

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

Scaled Data Report

REPORT NUMBER: P560401
CATALOG NUMBER: SDL-PA1-40-750-U-SL3

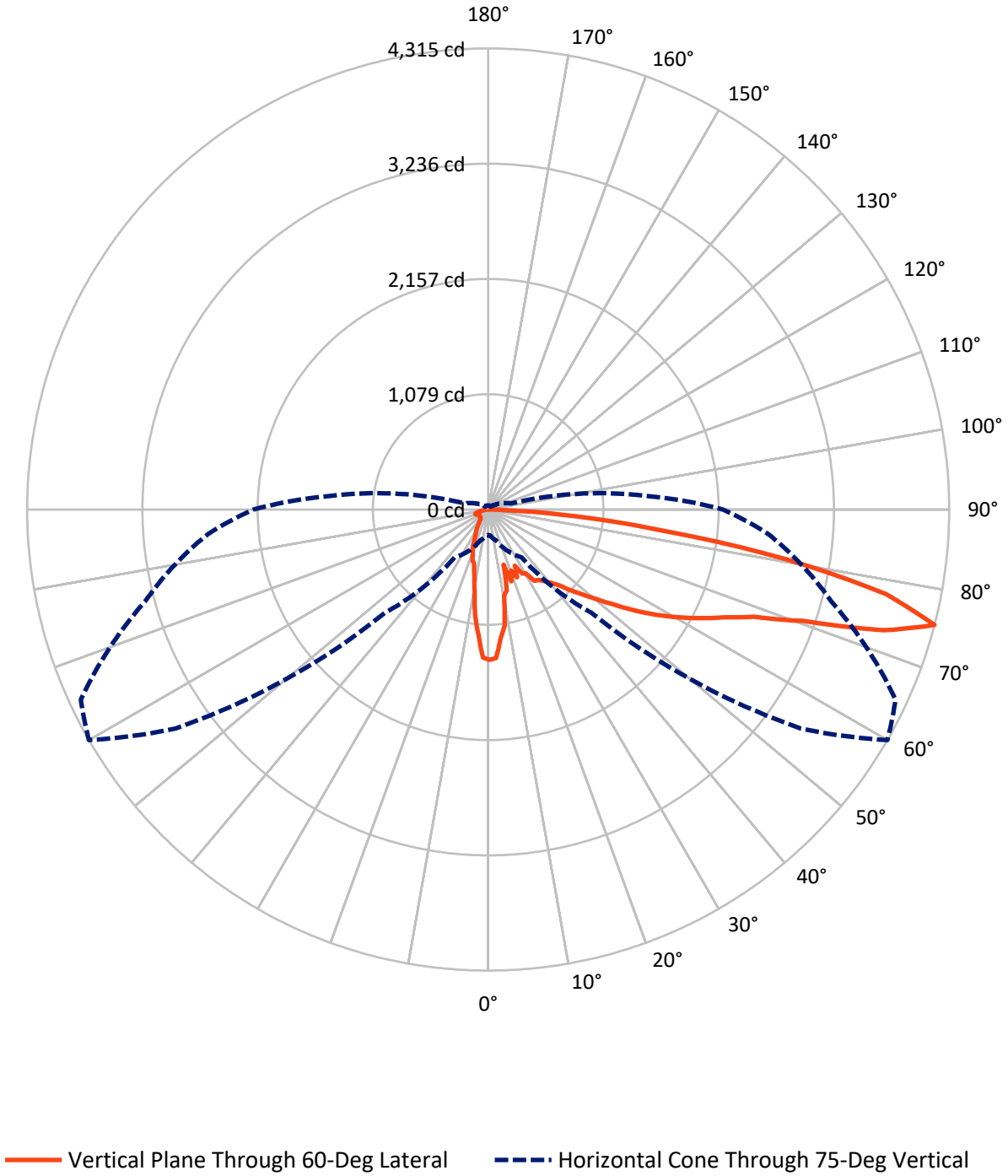
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 14.1 fc
Type III - Medium - N/A

REPORT NUMBER: P560401
CATALOG NUMBER: SDL-PA1-40-750-U-SL3

Luminous Intensity Polar Plot



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

Scaled Data Report

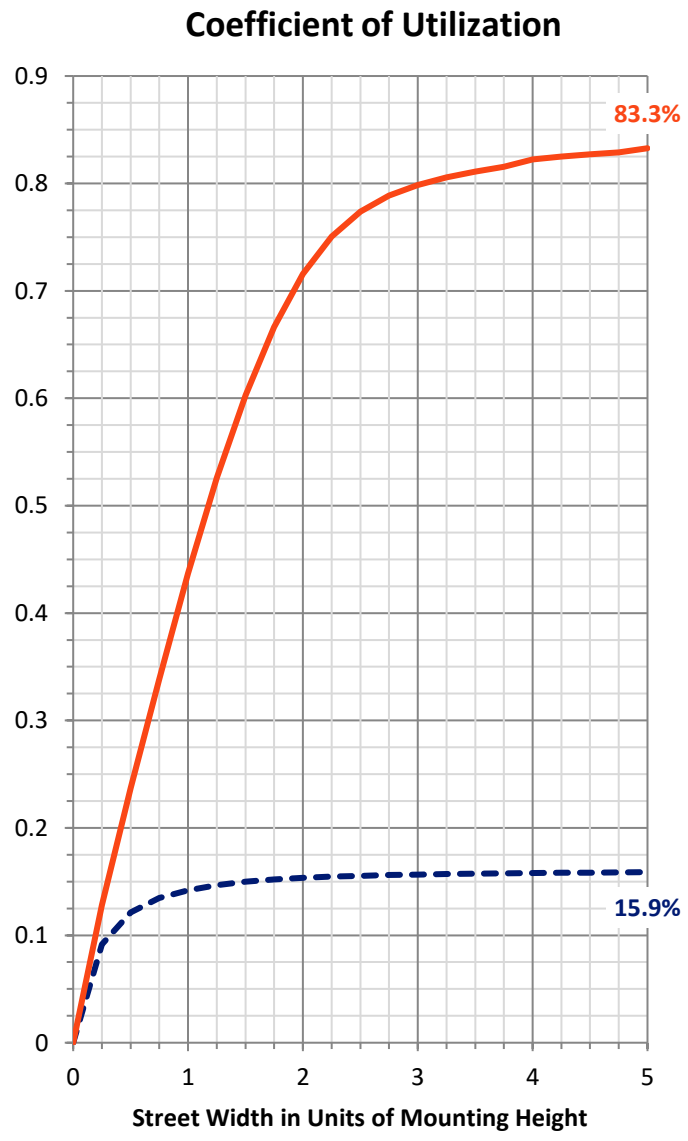
REPORT NUMBER: P560401
CATALOG NUMBER: SDL-PA1-40-750-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	792.8	0.0	792.8
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	4139.5	0.0	4139.5
	% Fixture	83.9	0.0	83.9
Total	Lumens	4932.3	0.0	4932.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.6	2.1
10°-20°	185.2	3.8
20°-30°	242.6	4.9
30°-40°	400.3	8.1
40°-50°	625.1	12.7
50°-60°	951.6	19.3
60°-70°	1179.1	23.9
70°-80°	1041.6	21.1
80°-90°	204.2	4.1
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°	4932.3	100.0
0°-180°	4932.3	100.0

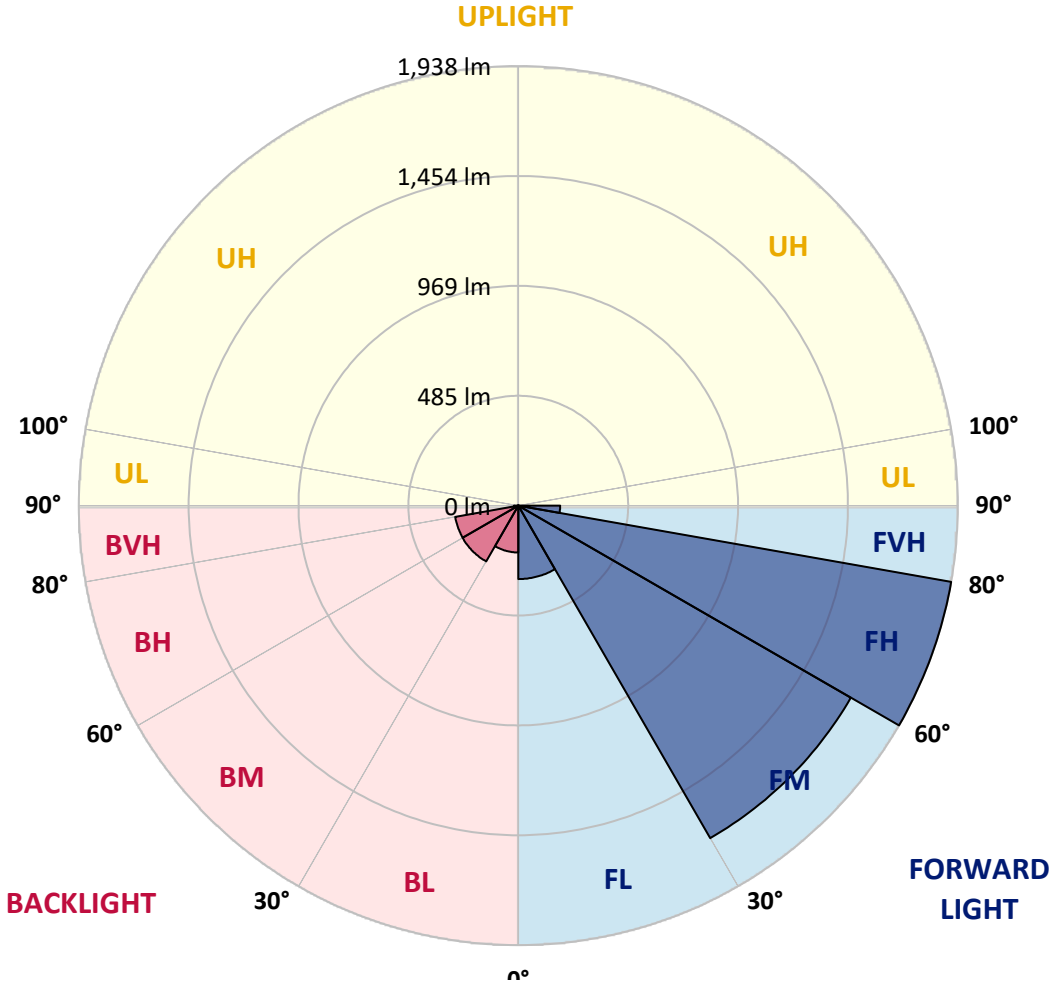


REPORT NUMBER: P560401
CATALOG NUMBER: SDL-PA1-40-750-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	323.8	6.6			
FM	(30°-60°)	1692.9	34.3			
FH	(60°-80°)	1938.0	39.3			G2/5000
FVH	(80°-90°)	184.7	3.7			G2/225
BL	(0°-30°)	206.5	4.2	B1/500		
BM	(30°-60°)	284.1	5.8	B1/1000		
BH	(60°-80°)	282.7	5.7	B1/500		G1/500
BVH	(80°-90°)	19.5	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Medium



REPORT NUMBER: P560401
CATALOG NUMBER: SDL-PA1-40-750-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1406.9	1406.9	1406.9	1406.9	1406.9	1406.9	1406.9	1406.9	1406.9	1406.9	1406.9
2.5°	1168.5	1300.3	1269.6	1238.9	1285.9	1331.0	1345.5	1358.1	1365.3	1372.6	1379.8
5°	1085.4	1087.2	1089.0	1090.8	1096.2	1099.9	1107.1	1114.3	1121.5	1126.9	1134.2
7.5°	838.0	866.9	913.8	960.8	989.7	1016.8	1033.0	1047.5	1058.3	1069.2	1080.0
10°	931.9	937.3	939.1	939.1	948.2	957.2	888.6	818.1	852.4	886.7	848.8
12.5°	731.4	751.3	810.9	868.7	886.7	903.0	870.5	838.0	787.4	735.0	731.4
15°	839.8	845.2	847.0	847.0	791.0	735.0	697.1	657.4	688.1	717.0	650.2
17.5°	650.2	655.6	702.5	749.5	758.5	767.6	727.8	688.1	599.6	509.3	594.2
20°	773.0	776.6	776.6	776.6	682.7	588.8	596.0	601.4	630.3	659.2	635.7
22.5°	623.1	623.1	623.1	623.1	652.0	679.1	621.3	563.5	596.0	628.5	599.6
25°	783.8	789.2	776.6	762.1	675.4	588.8	615.8	642.9	594.2	545.4	588.8
27.5°	715.2	709.8	684.5	657.4	670.0	682.7	623.1	563.5	601.4	639.3	621.3
30°	950.0	933.7	906.6	879.5	776.6	673.6	657.4	641.1	608.6	574.3	612.2
32.5°	1262.4	1220.9	1094.4	968.0	904.8	841.6	760.3	679.1	671.8	662.8	673.6
35°	1345.5	1318.4	1266.0	1211.8	1103.5	993.3	890.4	785.6	751.3	715.2	722.4
37.5°	1361.7	1352.7	1341.9	1329.2	1219.1	1108.9	996.9	884.9	848.8	810.9	783.8
40°	1374.4	1381.6	1401.5	1419.5	1309.4	1197.4	1096.2	993.3	955.4	915.6	868.7
42.5°	1432.2	1452.0	1477.3	1500.8	1399.7	1298.5	1210.0	1121.5	1072.8	1024.0	980.7
45°	1565.8	1576.6	1603.7	1629.0	1533.3	1435.8	1334.6	1231.7	1190.2	1148.6	1105.3
47.5°	1760.9	1778.9	1777.1	1775.3	1668.7	1560.4	1446.6	1331.0	1303.9	1275.0	1233.5
50°	2006.5	1993.8	1959.5	1925.2	1809.6	1692.2	1558.6	1423.1	1410.5	1396.0	1361.7
52.5°	2129.3	2120.2	2073.3	2024.5	1907.1	1789.8	1645.3	1499.0	1515.2	1531.5	1499.0
55°	2136.5	2131.1	2096.8	2062.5	1948.7	1834.9	1706.7	1578.4	1618.2	1657.9	1645.3
57.5°	2084.1	2085.9	2075.1	2062.5	1961.3	1860.2	1753.6	1647.1	1715.7	1782.5	1795.2
60°	1950.5	1977.6	1995.6	2013.7	1950.5	1887.3	1795.2	1703.1	1807.8	1912.6	1946.9
62.5°	1703.1	1726.5	1791.6	1854.8	1867.4	1878.2	1816.8	1753.6	1894.5	2033.6	2089.5
65°	1320.2	1352.7	1450.2	1547.7	1648.9	1750.0	1764.5	1778.9	2017.3	2255.7	2302.7
67.5°	823.5	841.6	944.5	1045.7	1249.8	1452.0	1567.6	1683.2	2095.0	2504.9	2579.0
70°	435.2	462.3	512.9	561.7	736.8	912.0	1146.8	1381.6	1977.6	2573.6	2877.0
72.5°	330.5	341.3	368.4	395.5	456.9	518.3	666.4	814.5	1547.7	2279.2	2978.1
75°	*238.4*	*247.4*	*276.3*	*303.4*	*364.8*	*424.4*	*485.8*	*545.4*	*955.4*	*1365.3*	*2468.8*
77.5°	139.1	142.7	157.1	169.8	265.5	361.2	428.0	493.0	592.4	689.9	1762.7
80°	95.7	97.5	102.9	108.4	149.9	191.4	319.7	447.9	493.0	536.4	1168.5
82.5°	63.2	72.2	75.9	79.5	93.9	108.4	187.8	265.5	390.1	512.9	798.3
85°	32.5	36.1	43.3	48.8	56.0	61.4	84.9	106.6	323.3	538.2	574.3
87.5°	3.6	5.4	7.2	7.2	9.0	10.8	16.3	21.7	97.5	173.4	148.1
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: P560401
CATALOG NUMBER: SDL-PA1-40-750-U-SL3

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1406.9	*1406.9*	1406.9	1406.9	1406.9	1406.9	1406.9	1406.9	1406.9	1406.9	1406.9
2.5°	1387.0	*1390.6*	1388.8	1392.4	1394.2	1396.0	1397.8	1397.8	1396.0	1392.4	1388.8
5°	1141.4	*1213.6*	1336.4	1349.1	1361.7	1365.3	1369.0	1370.8	1367.1	1361.7	1356.3
7.5°	1089.0	*1099.9*	989.7	1078.2	1164.9	1172.1	1177.5	1173.9	1175.7	1126.9	1076.4
10°	810.9	*819.9*	823.5	850.6	875.9	935.5	995.1	986.1	978.9	892.2	803.7
12.5°	727.8	*774.8*	785.6	740.5	695.3	756.7	818.1	810.9	798.3	718.8	639.3
15°	583.3	*534.6*	639.3	736.8	832.6	890.4	946.3	930.1	915.6	814.5	711.6
17.5°	677.3	*706.1*	671.8	686.3	700.7	744.1	785.6	760.3	751.3	680.9	608.6
20°	612.2	*610.4*	587.0	671.8	756.7	841.6	924.7	899.4	856.0	718.8	579.7
22.5°	570.7	*688.1*	738.7	727.8	715.2	682.7	648.4	626.7	594.2	563.5	531.0
25°	630.3	*581.5*	621.3	751.3	879.5	903.0	926.5	872.3	801.9	662.8	523.7
27.5°	603.2	*679.1*	729.6	816.3	901.2	982.5	1063.7	991.5	899.4	726.0	550.8
30°	650.2	*691.7*	832.6	995.1	1157.6	1186.5	1213.6	1114.3	991.5	816.3	641.1
32.5°	684.5	*794.6*	919.3	1045.7	1170.3	1192.0	1213.6	1101.7	960.8	767.6	574.3
35°	727.8	*809.1*	922.9	1071.0	1219.1	1224.5	1228.1	1098.1	939.1	720.6	500.3
37.5°	756.7	*848.8*	971.6	1128.8	1285.9	1275.0	1262.4	1114.3	931.9	688.1	444.3
40°	821.7	*901.2*	1033.0	1193.8	1354.5	1336.4	1318.4	1148.6	933.7	655.6	375.6
42.5°	935.5	*966.2*	1108.9	1280.5	1452.0	1432.2	1410.5	1208.2	955.4	637.5	317.9
45°	1060.1	*1074.6*	1197.4	1392.4	1587.5	1562.2	1536.9	1300.3	995.1	628.5	261.9
47.5°	1190.2	*1186.5*	1300.3	1536.9	1771.7	1717.5	1663.3	1408.7	1069.2	646.5	223.9
50°	1325.6	*1320.2*	1430.4	1685.0	1939.6	1881.9	1824.1	1538.7	1154.0	679.1	202.3
52.5°	1464.7	*1477.3*	1558.6	1824.1	2087.7	2035.4	1981.2	1679.6	1237.1	715.2	193.2
55°	1630.8	*1670.6*	1703.1	1968.5	2234.0	2181.7	2127.5	1824.1	1352.7	771.2	189.6
57.5°	1806.0	*1858.4*	1872.8	2114.8	2356.8	2322.5	2286.4	1961.3	1470.1	836.2	200.5
60°	1981.2	*2049.8*	2102.2	2297.2	2490.5	2450.7	2411.0	2100.4	1580.3	908.4	236.6
62.5°	2143.7	*2239.4*	2324.3	2467.0	2607.9	2560.9	2514.0	2221.4	1704.9	1007.8	308.8
65°	2347.8	*2432.7*	2524.8	2618.7	2710.8	2665.7	2620.5	2373.1	1871.0	1132.4	391.9
67.5°	2653.0	*2678.3*	2725.3	2783.1	2839.0	2811.9	2783.1	2559.1	2015.5	1204.6	391.9
70°	3178.6	*3122.6*	3052.1	3050.3	3046.7	3003.4	2958.2	2663.9	2024.5	1175.7	326.9
72.5°	3675.2	*3866.7*	3642.7	3480.2	3317.6	3126.2	2933.0	2523.0	1787.9	1024.0	260.1
75°	*3570.5*	*4314.5*	*4206.2*	*3765.5*	*3324.9*	*2978.1*	*2631.3*	*2197.9*	*1471.9*	*847.0*	*222.1*
77.5°	2833.6	*3807.1*	3910.0	3505.5	3099.1	2629.5	2158.2	1699.4	1020.4	603.2	186.0
80°	1798.8	*2846.3*	2864.3	2488.7	2111.2	1607.3	1103.5	740.5	491.2	319.7	148.1
82.5°	1083.6	*1685.0*	1466.5	1051.1	635.7	440.7	243.8	234.8	180.6	133.6	86.7
85°	610.4	*825.3*	592.4	388.3	184.2	131.8	77.7	83.1	79.5	65.0	48.8
87.5°	121.0	*142.7*	97.5	56.0	14.4	14.4	12.6	12.6	9.0	9.0	7.2
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: P560401
CATALOG NUMBER: SDL-PA1-40-750-U-SL3

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1406.9	1406.9	1406.9	1406.9	1406.9	1406.9	1406.9	1406.9	1406.9	1406.9	1406.9
2.5°	1388.8	1388.8	1385.2	1381.6	1379.8	1378.0	1323.8	1269.6	1233.5	1195.6	1186.5
5°	1289.5	1222.7	1172.1	1121.5	1110.7	1099.9	1098.1	1096.2	1090.8	1083.6	1081.8
7.5°	1018.6	959.0	1000.5	1040.3	1033.0	1024.0	1018.6	1011.4	998.7	986.1	922.9
10°	783.8	763.9	763.9	762.1	747.7	733.2	765.7	798.3	834.4	870.5	866.9
12.5°	668.2	695.3	624.9	552.6	592.4	630.3	666.4	700.7	718.8	736.8	680.9
15°	630.3	547.2	523.7	500.3	518.3	536.4	484.0	429.8	471.4	512.9	521.9
17.5°	565.3	521.9	498.5	473.2	404.5	334.1	357.6	381.1	379.3	377.5	368.4
20°	527.4	473.2	431.6	388.3	355.8	323.3	289.0	252.8	236.6	218.5	261.9
22.5°	502.1	473.2	386.5	299.8	274.5	249.2	222.1	193.2	204.1	213.1	220.3
25°	438.9	352.2	303.4	254.6	214.9	173.4	175.2	177.0	168.0	158.9	200.5
27.5°	444.3	335.9	260.1	184.2	169.8	153.5	144.5	133.6	148.1	160.7	164.3
30°	465.9	290.8	220.3	149.9	133.6	117.4	122.8	126.4	126.4	126.4	144.5
32.5°	413.6	252.8	187.8	121.0	112.0	101.1	102.9	102.9	112.0	121.0	130.0
35°	350.4	198.7	153.5	106.6	97.5	88.5	92.1	95.7	104.7	113.8	126.4
37.5°	301.6	157.1	126.4	95.7	90.3	84.9	86.7	88.5	97.5	104.7	115.6
40°	254.6	131.8	112.0	92.1	86.7	81.3	83.1	83.1	90.3	97.5	104.7
42.5°	220.3	121.0	106.6	90.3	84.9	77.7	79.5	79.5	84.9	90.3	95.7
45°	189.6	115.6	102.9	88.5	83.1	75.9	75.9	74.0	79.5	83.1	86.7
47.5°	169.8	113.8	101.1	88.5	81.3	72.2	70.4	68.6	74.0	77.7	83.1
50°	158.9	113.8	101.1	86.7	77.7	68.6	66.8	65.0	72.2	77.7	86.7
52.5°	155.3	115.6	101.1	86.7	75.9	65.0	65.0	65.0	77.7	90.3	93.9
55°	155.3	119.2	102.9	84.9	74.0	63.2	66.8	70.4	74.0	77.7	77.7
57.5°	158.9	117.4	99.3	81.3	74.0	65.0	63.2	61.4	63.2	65.0	65.0
60°	175.2	113.8	95.7	77.7	68.6	59.6	57.8	56.0	59.6	61.4	61.4
62.5°	211.3	112.0	95.7	77.7	66.8	56.0	56.0	54.2	56.0	57.8	59.6
65°	258.3	124.6	101.1	77.7	66.8	56.0	52.4	48.8	52.4	54.2	54.2
67.5°	269.1	146.3	117.4	86.7	70.4	54.2	50.6	47.0	50.6	52.4	52.4
70°	243.8	160.7	126.4	92.1	74.0	54.2	50.6	45.2	47.0	48.8	47.0
72.5°	209.5	157.1	124.6	90.3	72.2	52.4	48.8	43.3	45.2	45.2	43.3
75°	*178.8*	*135.5*	*106.6*	*75.9*	*61.4*	*45.2*	*41.5*	*37.9*	*39.7*	*39.7*	*39.7*
77.5°	149.9	112.0	86.7	59.6	48.8	36.1	34.3	32.5	34.3	36.1	34.3
80°	117.4	84.9	65.0	43.3	36.1	27.1	28.9	28.9	30.7	30.7	30.7
82.5°	68.6	50.6	41.5	30.7	25.3	19.9	21.7	23.5	25.3	25.3	25.3
85°	41.5	32.5	27.1	21.7	18.1	12.6	16.3	18.1	18.1	18.1	16.3
87.5°	7.2	7.2	7.2	7.2	5.4	3.6	7.2	9.0	9.0	9.0	7.2
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: P560401
CATALOG NUMBER: SDL-PA1-40-750-U-SL3

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1406.9	1406.9	1406.9	1406.9
2.5°	1175.7	1175.7	1173.9	1173.9
5°	1080.0	1076.4	1072.8	1076.4
7.5°	859.7	834.4	809.1	816.3
10°	861.5	859.7	857.9	856.0
12.5°	623.1	603.2	583.3	570.7
15°	529.2	523.7	516.5	516.5
17.5°	357.6	341.3	325.1	314.2
20°	305.2	314.2	321.5	325.1
22.5°	227.6	234.8	242.0	245.6
25°	240.2	258.3	274.5	276.3
27.5°	166.2	175.2	182.4	178.8
30°	162.5	168.0	173.4	173.4
32.5°	139.1	153.5	168.0	169.8
35°	139.1	146.3	153.5	155.3
37.5°	124.6	130.0	133.6	135.5
40°	112.0	115.6	117.4	117.4
42.5°	99.3	108.4	115.6	115.6
45°	88.5	112.0	135.5	142.7
47.5°	86.7	121.0	155.3	162.5
50°	93.9	126.4	157.1	160.7
52.5°	95.7	113.8	130.0	130.0
55°	75.9	84.9	92.1	90.3
57.5°	65.0	72.2	77.7	77.7
60°	61.4	70.4	77.7	79.5
62.5°	59.6	63.2	66.8	70.4
65°	54.2	54.2	54.2	54.2
67.5°	50.6	50.6	48.8	48.8
70°	45.2	45.2	45.2	45.2
72.5°	41.5	41.5	41.5	39.7
75°	*37.9*	*37.9*	*36.1*	*36.1*
77.5°	32.5	32.5	32.5	32.5
80°	28.9	28.9	27.1	27.1
82.5°	23.5	23.5	21.7	19.9
85°	14.4	14.4	12.6	10.8
87.5°	5.4	5.4	3.6	1.8
90°	0.0	0.0	0.0	0.0

Report Generated By 670245982

HS SS

0

(END OF REPORT)