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: P560950

Luminaire Tested: **SDL-PA1-70-760-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560950
	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-PA1-70-760-U-SL3-HSS
Description:	Springdale
	(1) 70 CRI, 5700K, 930mA 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:	7097 lumens
Efficiency:	N/A
Efficacy:	98.3 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:	B1 - U0 - G2

Input Watts (W):	72.2
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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Scaled Data Report

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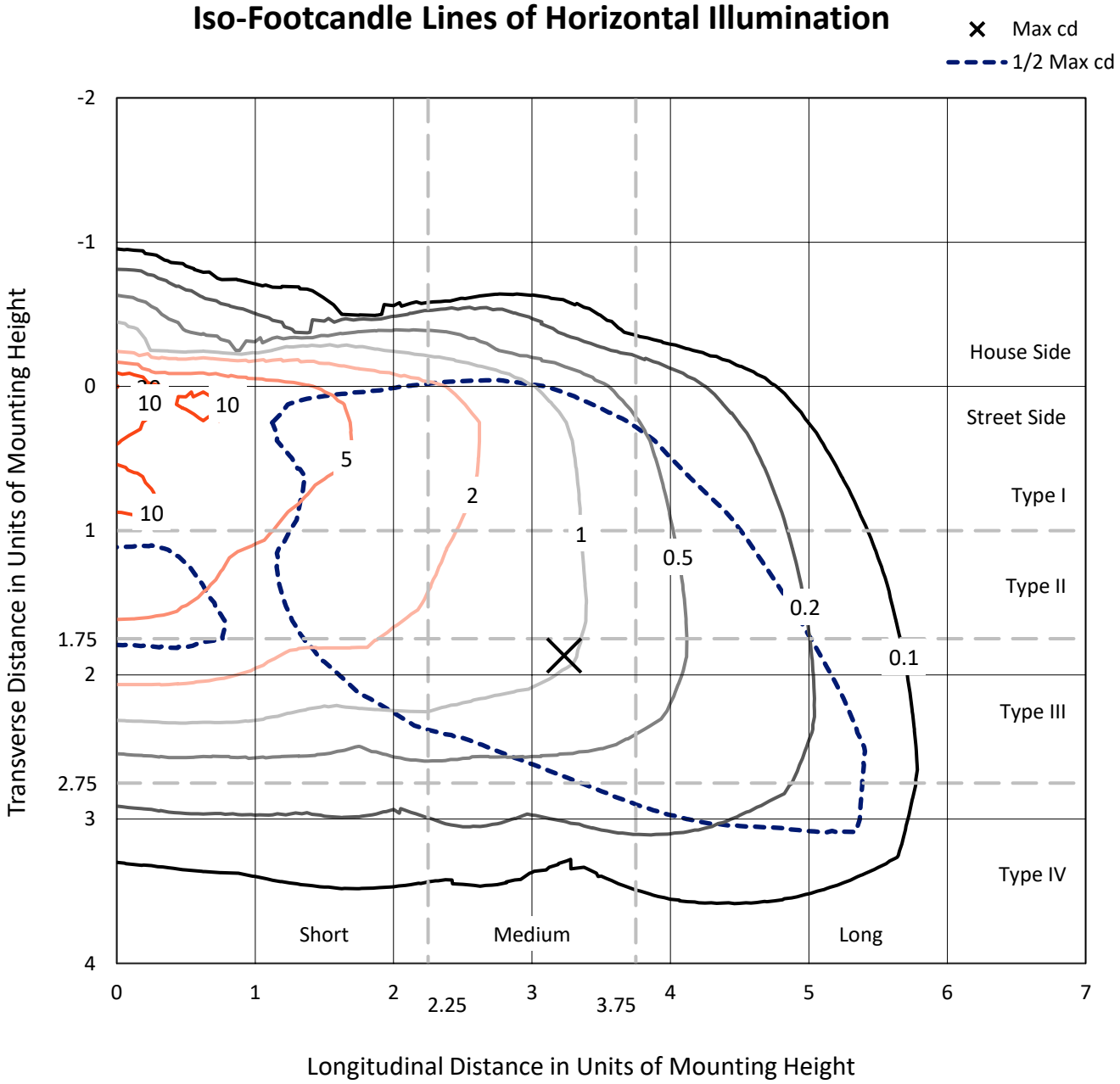
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 20.2 fc
Type IV - Medium - N/A

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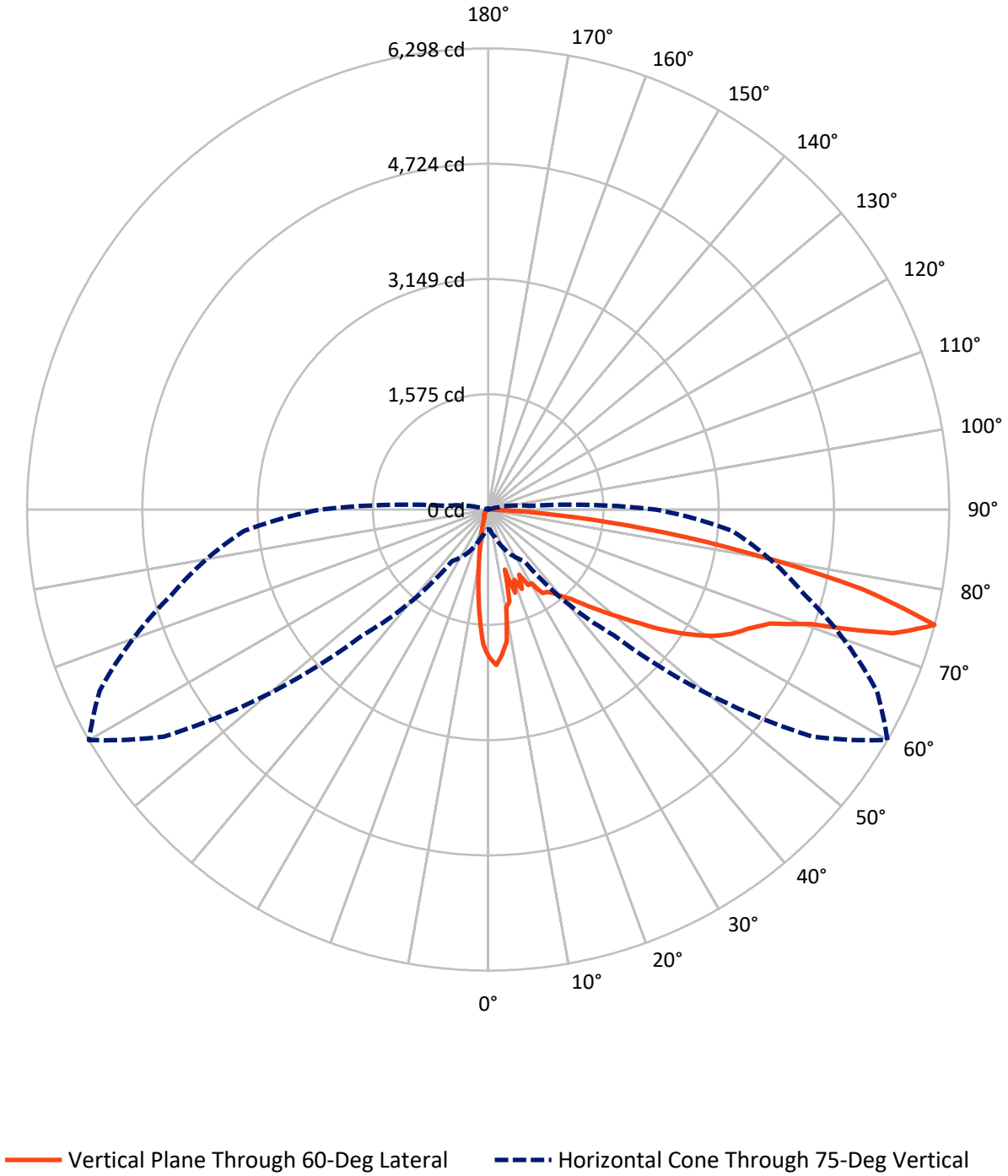
Luminous Intensity Polar Plot



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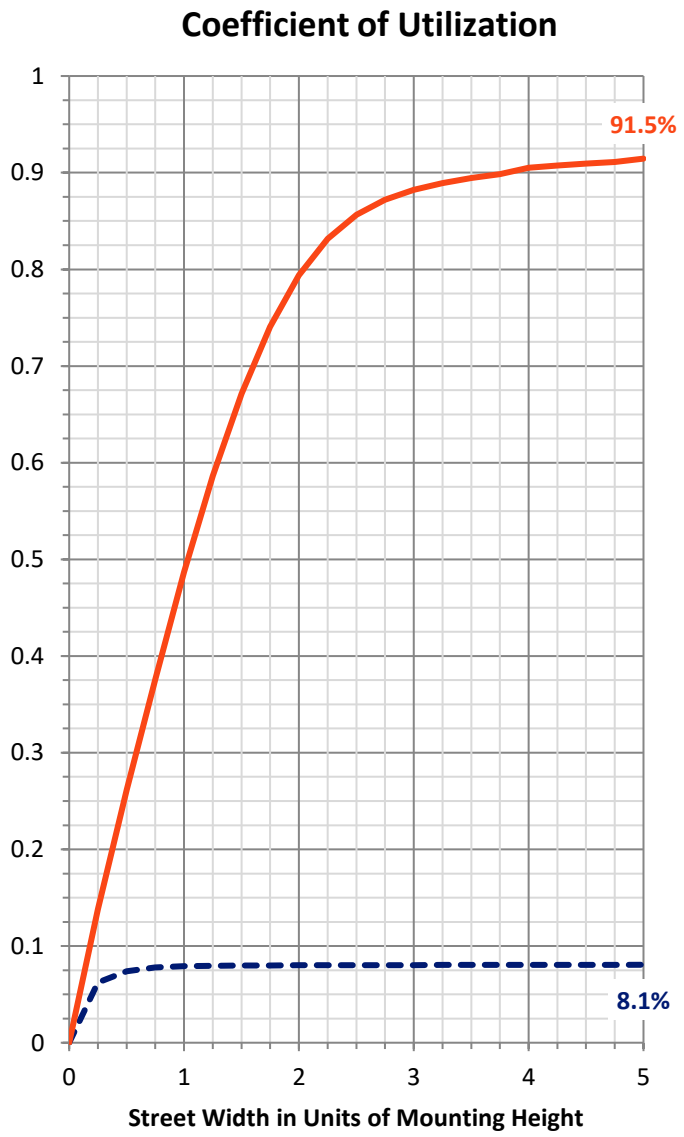
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	578.2	0.0	578.2
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	6518.8	0.0	6518.8
	% Fixture	91.9	0.0	91.9
Total	Lumens	7097.0	0.0	7097.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.9	2.0
10°-20°	232.2	3.3
20°-30°	332.7	4.7
30°-40°	592.3	8.3
40°-50°	974.9	13.7
50°-60°	1503.3	21.2
60°-70°	1752.0	24.7
70°-80°	1357.7	19.1
80°-90°	212.0	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°	7097.0	100.0
0°-180°	7097.0	100.0



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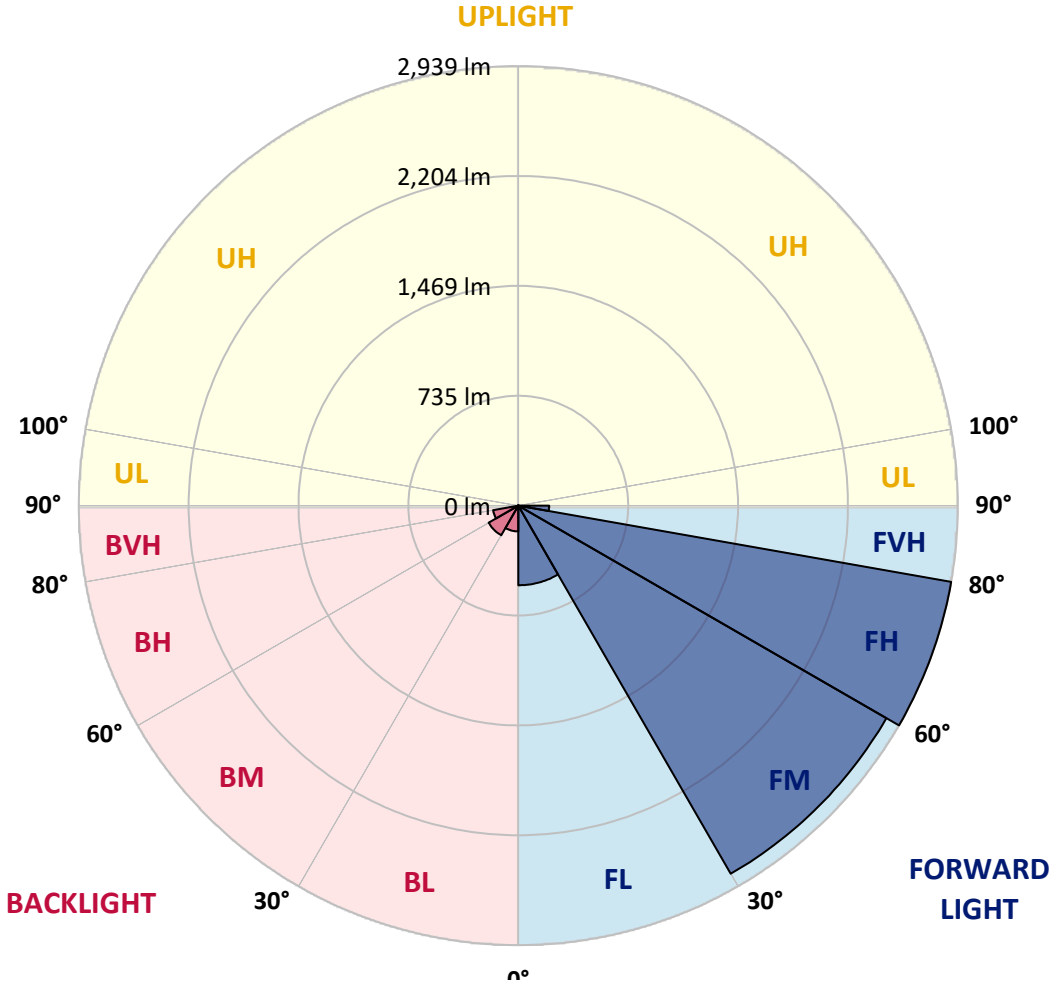
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	532.4	7.5			
FM	(30°-60°)	2841.6	40.0			
FH	(60°-80°)	2938.6	41.4			G2/5000
FVH	(80°-90°)	206.1	2.9			G2/225
BL	(0°-30°)	172.4	2.4	B1/500		
BM	(30°-60°)	228.9	3.2	B1/1000		
BH	(60°-80°)	171.1	2.4	B1/500		G1/500
BVH	(80°-90°)	5.8	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2022.3	2022.3	2022.3	2022.3	2022.3	2022.3	2022.3	2022.3	2022.3	2022.3	2022.3
2.5°	1889.8	1960.7	2003.8	2043.9	2096.3	2148.7	2151.8	2154.9	2154.9	2154.9	2151.8
5°	1825.0	1831.2	1831.2	1831.2	1840.5	1849.7	1855.9	1859.0	1862.0	1862.0	1859.0
7.5°	1427.4	1541.4	1612.3	1680.1	1698.6	1717.1	1741.8	1763.4	1781.9	1797.3	1809.6
10°	1581.5	1593.8	1593.8	1590.7	1606.2	1618.5	1498.3	1374.9	1424.3	1473.6	1411.9
12.5°	1220.8	1282.5	1359.5	1433.5	1482.8	1532.2	1476.7	1421.2	1334.9	1245.5	1239.3
15°	1427.4	1436.6	1439.7	1442.8	1359.5	1273.2	1171.5	1066.7	1137.6	1208.5	1106.7
17.5°	1097.5	1106.7	1193.1	1279.4	1288.6	1297.9	1233.1	1165.3	1017.3	869.4	1008.1
20°	1313.3	1319.5	1319.5	1319.5	1156.1	992.7	1005.0	1014.3	1060.5	1106.7	1072.8
22.5°	1057.4	1045.1	1051.2	1054.3	1103.7	1149.9	1054.3	955.7	1026.6	1094.4	1035.8
25°	1322.5	1325.6	1307.1	1285.5	1140.7	992.7	1045.1	1094.4	1011.2	924.9	1008.1
27.5°	1196.1	1183.8	1140.7	1097.5	1119.1	1140.7	1042.0	940.3	1020.4	1097.5	1060.5
30°	1575.3	1569.2	1513.7	1455.1	1282.5	1106.7	1088.2	1066.7	1020.4	971.1	1035.8
32.5°	2102.5	2028.5	1822.0	1612.3	1504.4	1393.4	1257.8	1122.2	1137.6	1149.9	1159.1
35°	2219.6	2185.7	2096.3	2006.9	1840.5	1670.9	1485.9	1297.9	1254.7	1211.6	1236.2
37.5°	2250.5	2238.1	2225.8	2210.4	2013.1	1815.8	1630.8	1442.8	1408.9	1371.9	1344.1
40°	2281.3	2293.6	2330.6	2364.5	2179.6	1994.6	1822.0	1646.2	1606.2	1566.1	1495.2
42.5°	2404.6	2413.9	2469.4	2524.8	2346.0	2164.2	2013.1	1862.0	1803.5	1744.9	1680.1
45°	2666.7	2675.9	2706.7	2737.6	2571.1	2401.5	2235.1	2065.5	2019.3	1969.9	1895.9
47.5°	3030.4	3039.7	3024.3	3008.9	2817.7	2623.5	2426.2	2228.9	2213.5	2198.1	2121.0
50°	3446.6	3434.3	3351.0	3267.8	3058.2	2848.5	2617.3	2383.0	2395.4	2407.7	2352.2
52.5°	3637.8	3631.6	3536.0	3440.4	3224.7	3005.8	2765.3	2521.8	2564.9	2605.0	2574.2
55°	3625.4	3622.3	3557.6	3492.9	3289.4	3085.9	2860.9	2635.8	2734.5	2830.0	2811.5
57.5°	3489.8	3495.9	3486.7	3477.4	3298.6	3119.8	2937.9	2756.1	2904.0	3048.9	3073.6
60°	3277.1	3277.1	3323.3	3366.5	3261.6	3153.7	3002.7	2848.5	3052.0	3255.5	3317.1
62.5°	2833.1	2882.5	2981.1	3079.8	3113.7	3147.6	3024.3	2901.0	3181.5	3462.0	3551.4
65°	2182.7	2204.2	2383.0	2561.8	2728.3	2891.7	2901.0	2910.2	3338.7	3764.1	3795.0
67.5°	1267.0	1356.4	1553.8	1748.0	2074.8	2398.4	2564.9	2731.4	3406.5	4078.6	4112.5
70°	665.9	702.9	798.5	890.9	1183.8	1473.6	1886.7	2296.7	3249.3	4198.8	4494.8
72.5°	456.3	490.2	542.6	595.0	706.0	813.9	1109.8	1402.7	2586.5	3770.3	4689.0
75°	*268.2*	*277.5*	*342.2*	*406.9*	*527.2*	*647.4*	*755.3*	*860.1*	*1646.2*	*2429.3*	*3918.3*
77.5°	107.9	117.1	144.9	172.6	342.2	508.7	619.7	730.6	918.7	1106.7	2691.3
80°	58.6	58.6	70.9	80.2	154.1	225.0	416.2	607.3	699.8	792.3	1744.9
82.5°	33.9	33.9	43.2	49.3	77.1	104.8	237.4	369.9	545.7	718.3	1177.6
85°	12.3	12.3	15.4	18.5	37.0	52.4	86.3	117.1	339.1	558.0	678.2
87.5°	3.1	3.1	6.2	6.2	9.2	12.3	15.4	15.4	12.3	9.2	61.7
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°	2022.3	*2022.3*	2022.3	2022.3	2022.3	2022.3	2022.3	2022.3	2022.3	2022.3	2022.3
2.5°	2145.7	*2127.2*	2114.8	2093.2	2071.7	2053.2	2031.6	2003.8	1982.3	1954.5	1926.8
5°	1855.9	*1985.3*	2117.9	2105.6	2090.2	2047.0	2003.8	1954.5	1908.3	1852.8	1797.3
7.5°	1818.9	*1815.8*	1689.4	1754.1	1815.8	1766.5	1717.1	1661.7	1600.0	1492.1	1384.2
10°	1350.3	*1359.5*	1356.4	1371.9	1387.3	1427.4	1464.3	1384.2	1307.1	1137.6	964.9
12.5°	1233.1	*1291.7*	1307.1	1202.3	1097.5	1140.7	1183.8	1103.7	1026.6	869.4	712.1
15°	1001.9	*850.9*	1066.7	1208.5	1347.2	1368.8	1387.3	1282.5	1159.1	943.3	724.5
17.5°	1143.7	*1196.1*	1134.5	1137.6	1137.6	1140.7	1143.7	1048.2	924.9	761.5	598.1
20°	1038.9	*1023.5*	1029.7	1131.4	1233.1	1301.0	1365.7	1220.8	1063.6	810.8	554.9
22.5°	977.3	*1177.6*	1264.0	1220.8	1177.6	1069.7	958.8	847.8	718.3	591.9	462.4
25°	1088.2	*983.4*	1051.2	1217.7	1384.2	1384.2	1384.2	1193.1	980.3	709.1	437.8
27.5°	1023.5	*1168.4*	1236.2	1368.8	1498.3	1553.8	1606.2	1362.6	1082.1	746.0	406.9
30°	1100.6	*1168.4*	1408.9	1674.0	1939.1	1892.9	1843.5	1532.2	1177.6	783.0	388.4
32.5°	1168.4	*1359.5*	1572.2	1772.6	1973.0	1920.6	1865.1	1519.8	1122.2	706.0	289.8
35°	1260.9	*1384.2*	1581.5	1825.0	2068.6	1988.4	1905.2	1526.0	1079.0	647.4	215.8
37.5°	1316.4	*1452.0*	1664.7	1920.6	2173.4	2074.8	1976.1	1553.8	1042.0	604.2	166.5
40°	1421.2	*1556.8*	1769.5	2037.8	2306.0	2191.9	2074.8	1603.1	1020.4	579.6	138.7
42.5°	1615.4	*1677.1*	1914.4	2198.1	2481.7	2361.5	2238.1	1707.9	1014.3	567.2	120.2
45°	1818.9	*1859.0*	2068.6	2386.1	2700.6	2577.3	2450.9	1837.4	1035.8	576.5	114.1
47.5°	2040.8	*2062.4*	2253.6	2648.2	3042.8	2873.2	2703.7	2016.2	1082.1	595.0	107.9
50°	2296.7	*2296.7*	2481.7	2907.1	3332.5	3156.8	2981.1	2225.8	1140.7	622.7	104.8
52.5°	2540.3	*2574.2*	2716.0	3150.7	3585.3	3422.0	3255.5	2457.0	1217.7	659.7	98.7
55°	2790.0	*2897.9*	2950.3	3394.2	3838.1	3650.1	3462.0	2626.6	1264.0	678.2	92.5
57.5°	3098.3	*3212.3*	3240.1	3616.2	3992.3	3810.4	3625.4	2771.5	1297.9	693.6	89.4
60°	3378.8	*3508.3*	3563.8	3841.2	4115.6	3927.5	3739.5	2897.9	1328.7	706.0	80.2
62.5°	3637.8	*3736.4*	3822.7	4001.5	4180.3	4004.6	3825.8	3008.9	1347.2	709.1	70.9
65°	3825.8	*3915.2*	4038.5	4140.3	4242.0	4109.4	3976.9	3200.0	1399.6	727.6	52.4
67.5°	4143.3	*4152.6*	4223.5	4306.7	4390.0	4319.1	4248.2	3465.1	1461.3	752.2	40.1
70°	4787.6	*4682.8*	4590.3	4673.6	4753.7	4655.1	4556.4	3542.2	1319.5	675.1	30.8
72.5°	5607.7	*5783.4*	5336.4	5163.8	4988.0	4624.3	4257.4	3048.9	937.2	480.9	24.7
75°	*5407.3*	*6298.2*	*5857.4*	*5163.8*	*4470.1*	*3909.0*	*3344.9*	*2287.5*	*576.5*	*299.0*	*18.5*
77.5°	4272.8	*5228.5*	5071.3	4356.1	3637.8	2947.2	2256.6	1405.8	203.5	111.0	18.5
80°	2697.5	*3616.2*	3480.5	2830.0	2176.5	1547.6	918.7	428.5	77.1	49.3	21.6
82.5°	1637.0	*2154.9*	1692.5	1060.5	428.5	302.1	175.7	92.5	24.7	21.6	18.5
85°	795.4	*890.9*	582.7	336.0	86.3	80.2	70.9	46.2	12.3	12.3	9.2
87.5°	111.0	*80.2*	49.3	33.9	15.4	15.4	15.4	9.2	9.2	9.2	6.2
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°	2022.3	2022.3	2022.3	2022.3	2022.3	2022.3	2022.3	2022.3	2022.3	2022.3	2022.3
2.5°	1905.2	1880.5	1852.8	1825.0	1794.2	1763.4	1674.0	1581.5	1532.2	1479.8	1467.4
5°	1695.6	1593.8	1467.4	1338.0	1282.5	1227.0	1199.2	1168.4	1149.9	1128.3	1109.8
7.5°	1242.4	1097.5	1097.5	1094.4	1048.2	1001.9	949.5	894.0	860.1	826.2	736.8
10°	887.9	807.7	752.2	696.7	675.1	653.6	585.7	514.8	521.0	524.1	505.6
12.5°	687.5	659.7	558.0	456.3	422.3	388.4	366.9	345.3	314.4	283.6	262.0
15°	588.8	453.2	376.1	299.0	265.1	228.1	197.3	163.4	154.1	141.8	157.2
17.5°	484.0	366.9	292.9	218.9	169.6	120.2	126.4	132.6	144.9	157.2	163.4
20°	416.2	277.5	212.7	148.0	132.6	117.1	123.3	126.4	123.3	117.1	135.6
22.5°	339.1	215.8	163.4	107.9	111.0	114.1	104.8	95.6	114.1	132.6	132.6
25°	289.8	141.8	126.4	111.0	101.7	92.5	104.8	114.1	107.9	101.7	117.1
27.5°	265.1	123.3	107.9	92.5	95.6	98.7	95.6	89.4	98.7	107.9	104.8
30°	252.8	114.1	104.8	92.5	89.4	83.2	86.3	86.3	83.2	80.2	89.4
32.5°	203.5	117.1	101.7	83.2	80.2	74.0	70.9	67.8	70.9	74.0	77.1
35°	163.4	107.9	95.6	80.2	74.0	67.8	64.7	58.6	58.6	58.6	61.7
37.5°	132.6	98.7	86.3	70.9	64.7	58.6	55.5	49.3	49.3	49.3	49.3
40°	117.1	92.5	80.2	64.7	58.6	49.3	46.2	40.1	40.1	37.0	37.0
42.5°	101.7	83.2	70.9	55.5	49.3	43.2	37.0	30.8	30.8	27.7	27.7
45°	95.6	77.1	64.7	52.4	43.2	33.9	30.8	24.7	24.7	21.6	21.6
47.5°	92.5	74.0	61.7	46.2	37.0	27.7	24.7	18.5	18.5	18.5	18.5
50°	86.3	67.8	55.5	40.1	33.9	24.7	21.6	15.4	15.4	15.4	15.4
52.5°	83.2	64.7	49.3	33.9	27.7	18.5	15.4	12.3	12.3	12.3	12.3
55°	80.2	67.8	49.3	30.8	24.7	15.4	12.3	9.2	9.2	9.2	9.2
57.5°	77.1	64.7	46.2	24.7	18.5	12.3	9.2	6.2	6.2	6.2	6.2
60°	67.8	55.5	37.0	18.5	15.4	9.2	6.2	3.1	6.2	6.2	6.2
62.5°	58.6	43.2	30.8	15.4	12.3	6.2	6.2	3.1	6.2	6.2	6.2
65°	43.2	33.9	24.7	12.3	9.2	3.1	3.1	3.1	6.2	6.2	6.2
67.5°	33.9	24.7	18.5	9.2	6.2	3.1	3.1	3.1	6.2	6.2	6.2
70°	24.7	18.5	12.3	6.2	6.2	3.1	3.1	3.1	6.2	6.2	6.2
72.5°	18.5	12.3	9.2	6.2	6.2	3.1	6.2	6.2	6.2	6.2	6.2
75°	*15.4*	*12.3*	*9.2*	*6.2*	*6.2*	*3.1*	*6.2*	*6.2*	*9.2*	*9.2*	*9.2*
77.5°	15.4	9.2	9.2	6.2	6.2	3.1	6.2	9.2	9.2	9.2	9.2
80°	15.4	9.2	9.2	6.2	6.2	3.1	6.2	9.2	9.2	9.2	9.2
82.5°	15.4	9.2	9.2	6.2	6.2	3.1	6.2	9.2	9.2	9.2	9.2
85°	9.2	9.2	9.2	9.2	6.2	3.1	9.2	12.3	12.3	9.2	9.2
87.5°	6.2	6.2	9.2	9.2	6.2	3.1	9.2	12.3	12.3	9.2	9.2
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: P560950
CATALOG NUMBER: SDL-PA1-70-760-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	2022.3	2022.3	2022.3	2022.3
2.5°	1452.0	1436.6	1418.1	1455.1
5°	1091.3	1079.0	1066.7	1088.2
7.5°	647.4	650.5	650.5	616.6
10°	484.0	456.3	425.4	425.4
12.5°	240.5	222.0	203.5	200.4
15°	172.6	175.7	178.8	178.8
17.5°	169.6	163.4	154.1	148.0
20°	151.1	157.2	160.3	160.3
22.5°	132.6	129.5	123.3	123.3
25°	132.6	135.6	138.7	138.7
27.5°	101.7	101.7	98.7	98.7
30°	98.7	98.7	98.7	98.7
32.5°	77.1	80.2	80.2	80.2
35°	64.7	64.7	64.7	64.7
37.5°	49.3	49.3	49.3	46.2
40°	37.0	37.0	37.0	37.0
42.5°	27.7	27.7	27.7	27.7
45°	21.6	21.6	21.6	21.6
47.5°	18.5	18.5	15.4	15.4
50°	12.3	12.3	12.3	12.3
52.5°	9.2	9.2	9.2	9.2
55°	6.2	6.2	6.2	6.2
57.5°	6.2	6.2	6.2	6.2
60°	3.1	3.1	3.1	3.1
62.5°	3.1	3.1	3.1	3.1
65°	3.1	3.1	3.1	3.1
67.5°	3.1	3.1	3.1	3.1
70°	3.1	3.1	3.1	3.1
72.5°	6.2	6.2	3.1	3.1
75°	*6.2*	*6.2*	*3.1*	*3.1*
77.5°	6.2	6.2	3.1	3.1
80°	6.2	6.2	3.1	3.1
82.5°	6.2	6.2	3.1	3.1
85°	6.2	6.2	6.2	3.1
87.5°	6.2	6.2	6.2	3.1
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)