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: P560576

Luminaire Tested: **SDL-PA1-50-750-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560576
	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-PA1-50-750-U-SL3-HSS
Description:	Springdale
	(1) 70 CRI, 5000K, 670mA 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:	5372.2 lumens
Efficiency:	N/A
Efficacy:	102.5 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):	52.4
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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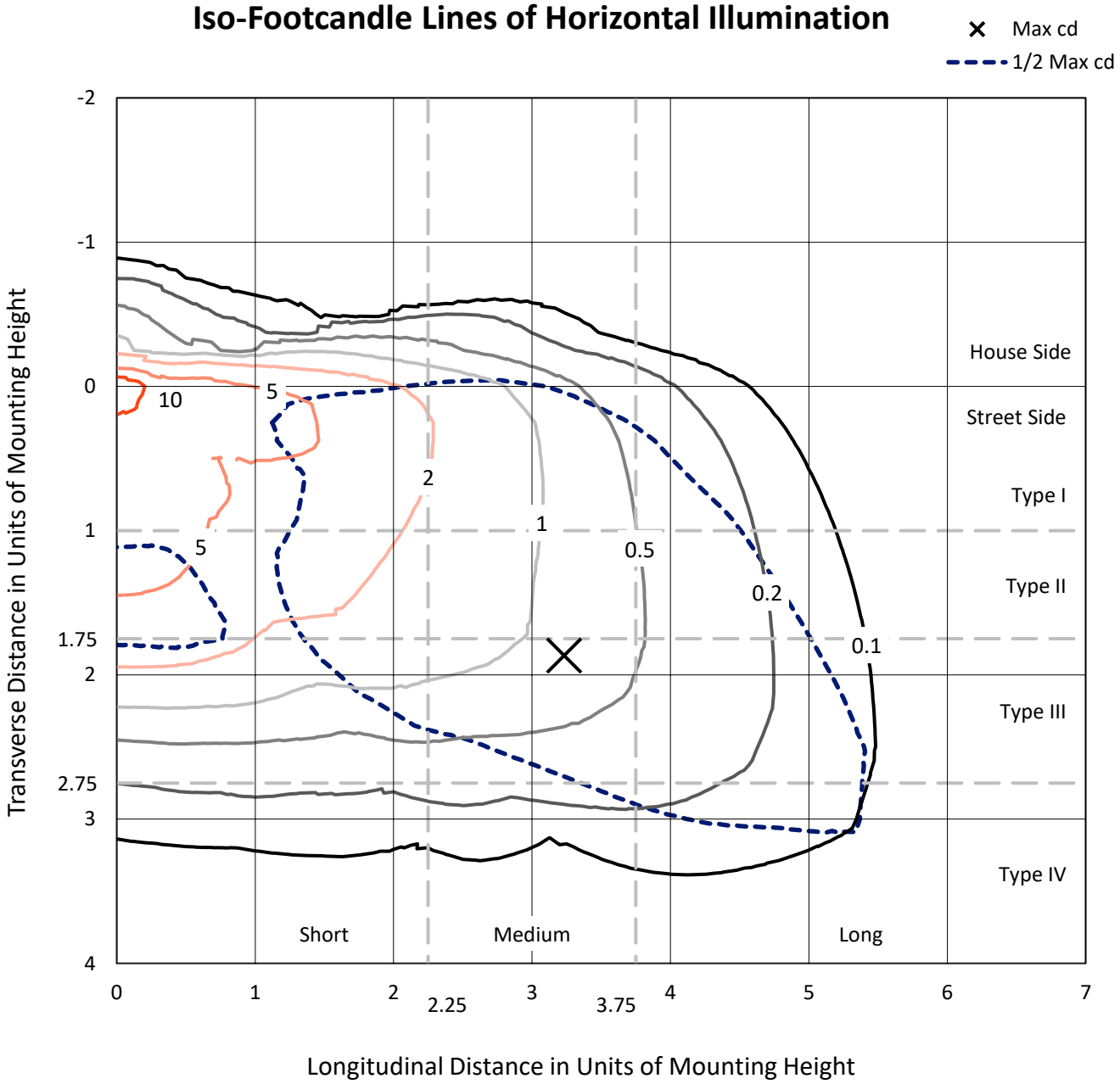
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 15.3 fc
Type IV - Medium - N/A

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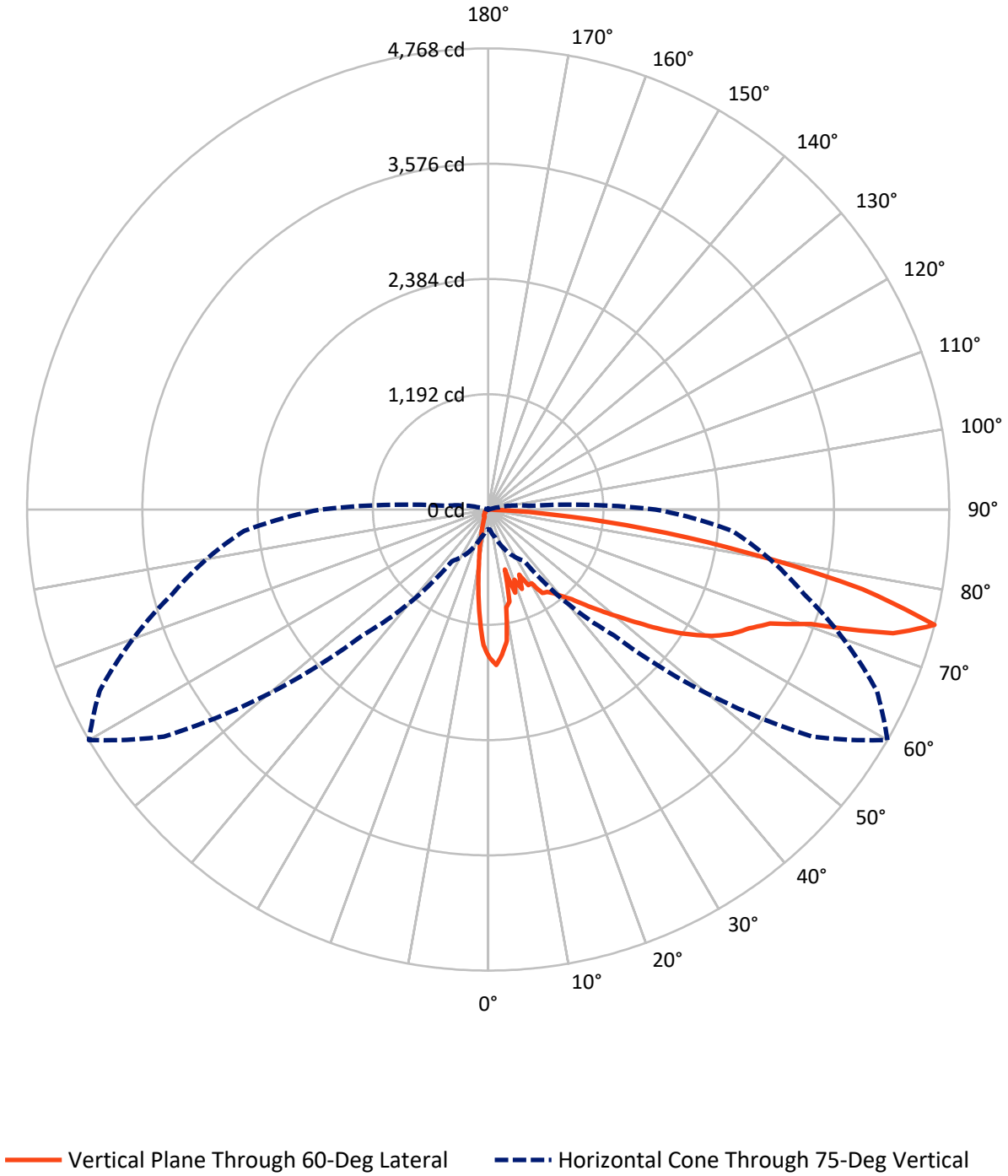
Luminous Intensity Polar Plot



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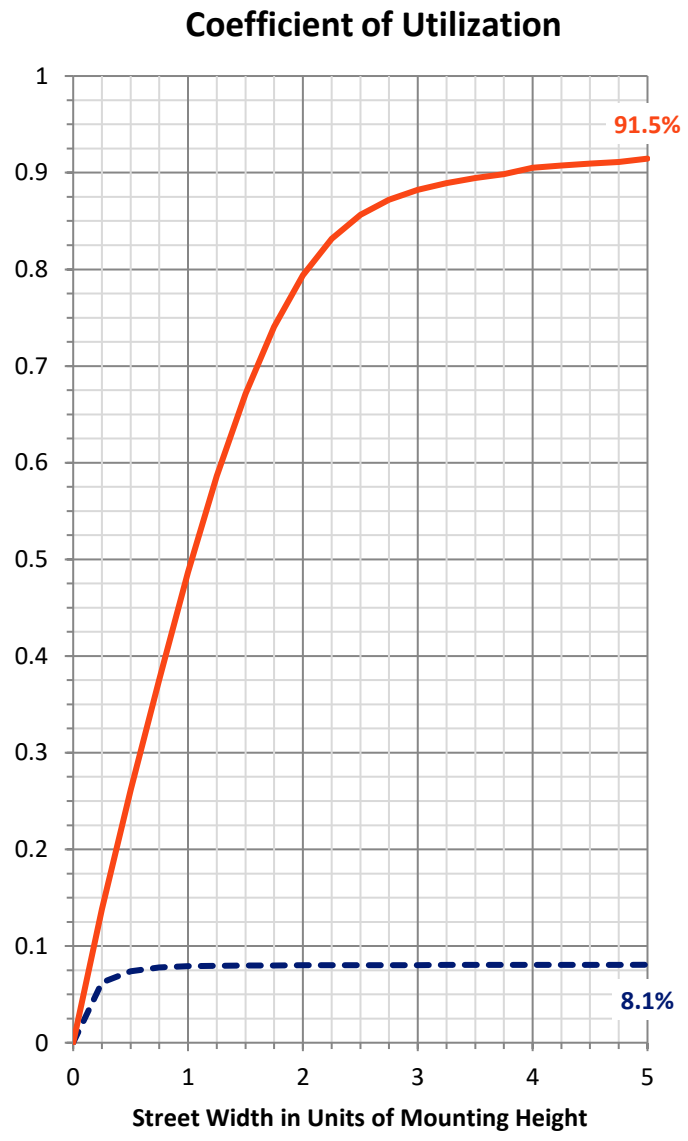
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	437.6	0.0	437.6
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	4934.6	0.0	4934.6
	% Fixture	91.9	0.0	91.9
Total	Lumens	5372.2	0.0	5372.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.9	2.0
10°-20°	175.8	3.3
20°-30°	251.8	4.7
30°-40°	448.4	8.3
40°-50°	738.0	13.7
50°-60°	1138.0	21.2
60°-70°	1326.2	24.7
70°-80°	1027.7	19.1
80°-90°	160.5	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°	5372.2	100.0
0°-180°	5372.2	100.0



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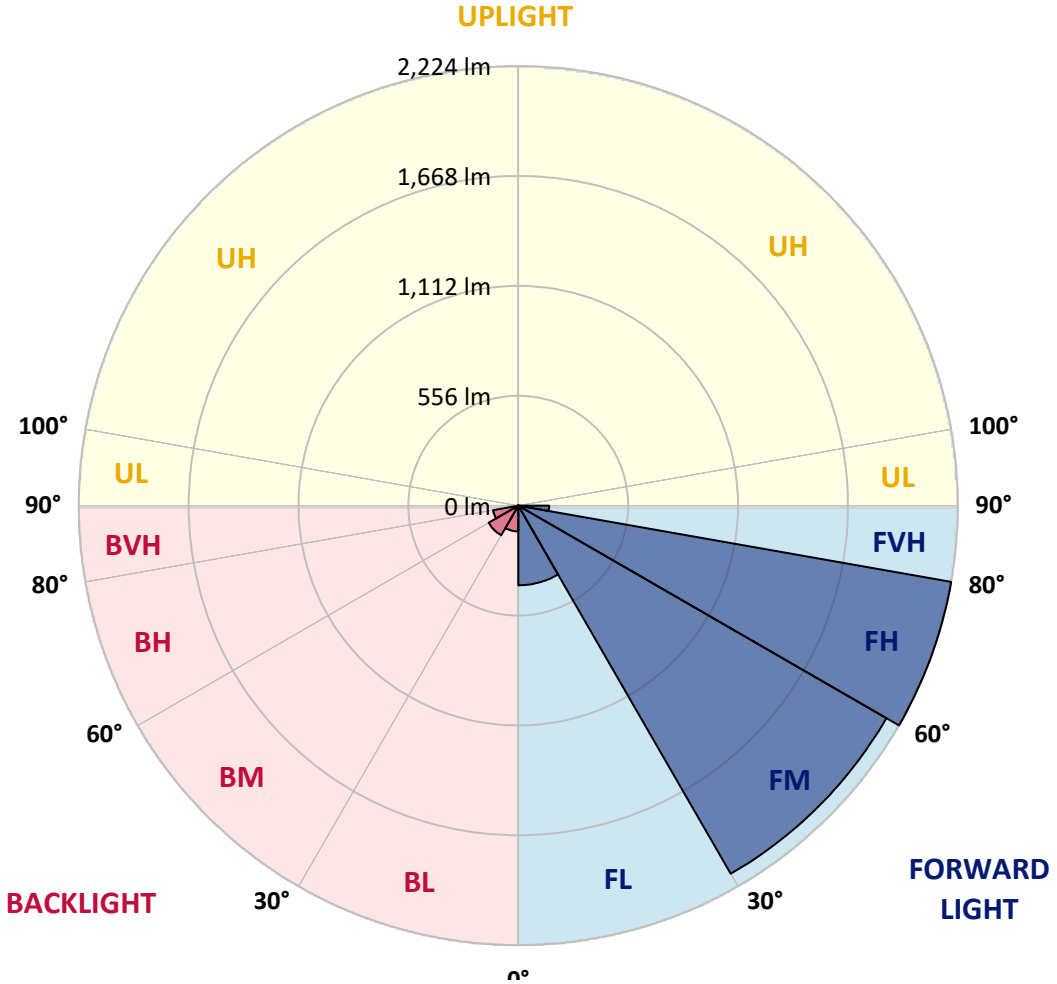
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	403.0	7.5			
FM	(30°-60°)	2151.0	40.0			
FH	(60°-80°)	2224.5	41.4			G2/5000
FVH	(80°-90°)	156.0	2.9			G2/225
BL	(0°-30°)	130.5	2.4	B1/500		
BM	(30°-60°)	173.3	3.2	B0/220		
BH	(60°-80°)	129.5	2.4	B1/500		G1/500
BVH	(80°-90°)	4.4	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	1530.9	1530.9	1530.9	1530.9	1530.9	1530.9	1530.9	1530.9	1530.9	1530.9	1530.9
2.5°	1430.5	1484.2	1516.9	1547.2	1586.9	1626.5	1628.9	1631.2	1631.2	1631.2	1628.9
5°	1381.5	1386.2	1386.2	1386.2	1393.2	1400.2	1404.8	1407.2	1409.5	1409.5	1407.2
7.5°	1080.5	1166.8	1220.5	1271.8	1285.8	1299.8	1318.5	1334.8	1348.8	1360.5	1369.8
10°	1197.2	1206.5	1206.5	1204.2	1215.8	1225.2	1134.1	1040.8	1078.1	1115.5	1068.8
12.5°	924.1	970.8	1029.1	1085.1	1122.5	1159.8	1117.8	1075.8	1010.5	942.8	938.1
15°	1080.5	1087.5	1089.8	1092.1	1029.1	963.8	886.8	807.4	861.1	914.8	837.8
17.5°	830.8	837.8	903.1	968.5	975.5	982.5	933.5	882.1	770.1	658.1	763.1
20°	994.1	998.8	998.8	998.8	875.1	751.4	760.8	767.8	802.8	837.8	812.1
22.5°	800.4	791.1	795.8	798.1	835.4	870.4	798.1	723.4	777.1	828.4	784.1
25°	1001.1	1003.5	989.5	973.1	863.4	751.4	791.1	828.4	765.4	700.1	763.1
27.5°	905.4	896.1	863.4	830.8	847.1	863.4	788.8	711.8	772.4	830.8	802.8
30°	1192.5	1187.8	1145.8	1101.5	970.8	837.8	823.8	807.4	772.4	735.1	784.1
32.5°	1591.5	1535.5	1379.2	1220.5	1138.8	1054.8	952.1	849.4	861.1	870.4	877.4
35°	1680.2	1654.5	1586.9	1519.2	1393.2	1264.8	1124.8	982.5	949.8	917.1	935.8
37.5°	1703.6	1694.2	1684.9	1673.2	1523.9	1374.5	1234.5	1092.1	1066.5	1038.5	1017.5
40°	1726.9	1736.2	1764.2	1789.9	1649.9	1509.9	1379.2	1246.2	1215.8	1185.5	1131.8
42.5°	1820.2	1827.2	1869.2	1911.2	1775.9	1638.2	1523.9	1409.5	1365.2	1320.8	1271.8
45°	2018.6	2025.6	2048.9	2072.3	1946.3	1817.9	1691.9	1563.5	1528.5	1491.2	1435.2
47.5°	2294.0	2301.0	2289.3	2277.6	2132.9	1985.9	1836.6	1687.2	1675.5	1663.9	1605.5
50°	2609.0	2599.7	2536.7	2473.7	2315.0	2156.3	1981.3	1803.9	1813.2	1822.6	1780.6
52.5°	2753.7	2749.0	2676.7	2604.3	2441.0	2275.3	2093.3	1908.9	1941.6	1971.9	1948.6
55°	2744.4	2742.0	2693.0	2644.0	2490.0	2336.0	2165.6	1995.3	2069.9	2142.3	2128.3
57.5°	2641.7	2646.3	2639.3	2632.3	2497.0	2361.6	2224.0	2086.3	2198.3	2308.0	2326.6
60°	2480.7	2480.7	2515.7	2548.3	2469.0	2387.3	2273.0	2156.3	2310.3	2464.3	2511.0
62.5°	2144.6	2181.9	2256.6	2331.3	2357.0	2382.6	2289.3	2195.9	2408.3	2620.7	2688.3
65°	1652.2	1668.5	1803.9	1939.2	2065.3	2188.9	2195.9	2202.9	2527.3	2849.4	2872.7
67.5°	959.1	1026.8	1176.2	1323.2	1570.5	1815.6	1941.6	2067.6	2578.7	3087.4	3113.1
70°	504.1	532.1	604.4	674.4	896.1	1115.5	1428.2	1738.6	2459.6	3178.4	3402.4
72.5°	345.4	371.0	410.7	450.4	534.4	616.1	840.1	1061.8	1957.9	2854.0	3549.5
75°	*203.0*	*210.0*	*259.0*	*308.0*	*399.1*	*490.1*	*571.7*	*651.1*	*1246.2*	*1838.9*	*2966.0*
77.5°	81.7	88.7	109.7	130.7	259.0	385.0	469.1	553.1	695.4	837.8	2037.3
80°	44.3	44.3	53.7	60.7	116.7	170.4	315.0	459.7	529.7	599.7	1320.8
82.5°	25.7	25.7	32.7	37.3	58.3	79.3	179.7	280.0	413.1	543.7	891.4
85°	9.3	9.3	11.7	14.0	28.0	39.7	65.3	88.7	256.7	422.4	513.4
87.5°	2.3	2.3	4.7	4.7	7.0	9.3	11.7	11.7	9.3	7.0	46.7
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°	1530.9	*1530.9*	1530.9	1530.9	1530.9	1530.9	1530.9	1530.9	1530.9	1530.9	1530.9
2.5°	1624.2	*1610.2*	1600.9	1584.5	1568.2	1554.2	1537.9	1516.9	1500.5	1479.5	1458.5
5°	1404.8	*1502.9*	1603.2	1593.9	1582.2	1549.5	1516.9	1479.5	1444.5	1402.5	1360.5
7.5°	1376.8	*1374.5*	1278.8	1327.8	1374.5	1337.2	1299.8	1257.8	1211.2	1129.5	1047.8
10°	1022.1	*1029.1*	1026.8	1038.5	1050.1	1080.5	1108.5	1047.8	989.5	861.1	730.4
12.5°	933.5	*977.8*	989.5	910.1	830.8	863.4	896.1	835.4	777.1	658.1	539.1
15°	758.4	*644.1*	807.4	914.8	1019.8	1036.1	1050.1	970.8	877.4	714.1	548.4
17.5°	865.8	*905.4*	858.8	861.1	861.1	863.4	865.8	793.4	700.1	576.4	452.7
20°	786.4	*774.8*	779.4	856.4	933.5	984.8	1033.8	924.1	805.1	613.7	420.1
22.5°	739.8	*891.4*	956.8	924.1	891.4	809.8	725.8	641.7	543.7	448.1	350.0
25°	823.8	*744.4*	795.8	921.8	1047.8	1047.8	1047.8	903.1	742.1	536.7	331.4
27.5°	774.8	*884.4*	935.8	1036.1	1134.1	1176.2	1215.8	1031.5	819.1	564.7	308.0
30°	833.1	*884.4*	1066.5	1267.2	1467.9	1432.9	1395.5	1159.8	891.4	592.7	294.0
32.5°	884.4	*1029.1*	1190.2	1341.8	1493.5	1453.9	1411.8	1150.5	849.4	534.4	219.4
35°	954.5	*1047.8*	1197.2	1381.5	1565.9	1505.2	1442.2	1155.1	816.8	490.1	163.4
37.5°	996.5	*1099.1*	1260.2	1453.9	1645.2	1570.5	1495.9	1176.2	788.8	457.4	126.0
40°	1075.8	*1178.5*	1339.5	1542.5	1745.6	1659.2	1570.5	1213.5	772.4	438.7	105.0
42.5°	1222.8	*1269.5*	1449.2	1663.9	1878.6	1787.6	1694.2	1292.8	767.8	429.4	91.0
45°	1376.8	*1407.2*	1565.9	1806.2	2044.3	1950.9	1855.2	1390.8	784.1	436.4	86.3
47.5°	1544.9	*1561.2*	1705.9	2004.6	2303.3	2174.9	2046.6	1526.2	819.1	450.4	81.7
50°	1738.6	*1738.6*	1878.6	2200.6	2522.7	2389.6	2256.6	1684.9	863.4	471.4	79.3
52.5°	1922.9	*1948.6*	2055.9	2385.0	2714.0	2590.3	2464.3	1859.9	921.8	499.4	74.7
55°	2111.9	*2193.6*	2233.3	2569.3	2905.4	2763.0	2620.7	1988.3	956.8	513.4	70.0
57.5°	2345.3	*2431.6*	2452.6	2737.4	3022.1	2884.4	2744.4	2097.9	982.5	525.1	67.7
60°	2557.7	*2655.7*	2697.7	2907.7	3115.4	2973.0	2830.7	2193.6	1005.8	534.4	60.7
62.5°	2753.7	*2828.4*	2893.7	3029.1	3164.4	3031.4	2896.0	2277.6	1019.8	536.7	53.7
65°	2896.0	*2963.7*	3057.1	3134.1	3211.1	3110.7	3010.4	2422.3	1059.5	550.7	39.7
67.5°	3136.4	*3143.4*	3197.1	3260.1	3323.1	3269.4	3215.7	2623.0	1106.1	569.4	30.3
70°	3624.1	*3544.8*	3474.8	3537.8	3598.5	3523.8	3449.1	2681.3	998.8	511.1	23.3
72.5°	4244.9	*4377.9*	4039.5	3908.8	3775.8	3500.5	3222.7	2308.0	709.4	364.0	18.7
75°	*4093.2*	*4767.6*	*4433.9*	*3908.8*	*3383.8*	*2959.0*	*2532.0*	*1731.6*	*436.4*	*226.4*	*14.0*
77.5°	3234.4	*3957.8*	3838.8	3297.4	2753.7	2231.0	1708.2	1064.1	154.0	84.0	14.0
80°	2041.9	*2737.4*	2634.7	2142.3	1647.5	1171.5	695.4	324.4	58.3	37.3	16.3
82.5°	1239.2	*1631.2*	1281.2	802.8	324.4	228.7	133.0	70.0	18.7	16.3	14.0
85°	602.1	*674.4*	441.1	254.4	65.3	60.7	53.7	35.0	9.3	9.3	7.0
87.5°	84.0	*60.7*	37.3	25.7	11.7	11.7	11.7	7.0	7.0	7.0	4.7
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1530.9	1530.9	1530.9	1530.9	1530.9	1530.9	1530.9	1530.9	1530.9	1530.9	1530.9
2.5°	1442.2	1423.5	1402.5	1381.5	1358.2	1334.8	1267.2	1197.2	1159.8	1120.1	1110.8
5°	1283.5	1206.5	1110.8	1012.8	970.8	928.8	907.8	884.4	870.4	854.1	840.1
7.5°	940.5	830.8	830.8	828.4	793.4	758.4	718.8	676.8	651.1	625.4	557.7
10°	672.1	611.4	569.4	527.4	511.1	494.7	443.4	389.7	394.4	396.7	382.7
12.5°	520.4	499.4	422.4	345.4	319.7	294.0	277.7	261.4	238.0	214.7	198.4
15°	445.7	343.0	284.7	226.4	200.7	172.7	149.4	123.7	116.7	107.3	119.0
17.5°	366.4	277.7	221.7	165.7	128.3	91.0	95.7	100.3	109.7	119.0	123.7
20°	315.0	210.0	161.0	112.0	100.3	88.7	93.3	95.7	93.3	88.7	102.7
22.5°	256.7	163.4	123.7	81.7	84.0	86.3	79.3	72.3	86.3	100.3	100.3
25°	219.4	107.3	95.7	84.0	77.0	70.0	79.3	86.3	81.7	77.0	88.7
27.5°	200.7	93.3	81.7	70.0	72.3	74.7	72.3	67.7	74.7	81.7	79.3
30°	191.4	86.3	79.3	70.0	67.7	63.0	65.3	65.3	63.0	60.7	67.7
32.5°	154.0	88.7	77.0	63.0	60.7	56.0	53.7	51.3	53.7	56.0	58.3
35°	123.7	81.7	72.3	60.7	56.0	51.3	49.0	44.3	44.3	44.3	46.7
37.5°	100.3	74.7	65.3	53.7	49.0	44.3	42.0	37.3	37.3	37.3	37.3
40°	88.7	70.0	60.7	49.0	44.3	37.3	35.0	30.3	30.3	28.0	28.0
42.5°	77.0	63.0	53.7	42.0	37.3	32.7	28.0	23.3	23.3	21.0	21.0
45°	72.3	58.3	49.0	39.7	32.7	25.7	23.3	18.7	18.7	16.3	16.3
47.5°	70.0	56.0	46.7	35.0	28.0	21.0	18.7	14.0	14.0	14.0	14.0
50°	65.3	51.3	42.0	30.3	25.7	18.7	16.3	11.7	11.7	11.7	11.7
52.5°	63.0	49.0	37.3	25.7	21.0	14.0	11.7	9.3	9.3	9.3	9.3
55°	60.7	51.3	37.3	23.3	18.7	11.7	9.3	7.0	7.0	7.0	7.0
57.5°	58.3	49.0	35.0	18.7	14.0	9.3	7.0	4.7	4.7	4.7	4.7
60°	51.3	42.0	28.0	14.0	11.7	7.0	4.7	2.3	4.7	4.7	4.7
62.5°	44.3	32.7	23.3	11.7	9.3	4.7	4.7	2.3	4.7	4.7	4.7
65°	32.7	25.7	18.7	9.3	7.0	2.3	2.3	2.3	4.7	4.7	4.7
67.5°	25.7	18.7	14.0	7.0	4.7	2.3	2.3	2.3	4.7	4.7	4.7
70°	18.7	14.0	9.3	4.7	4.7	2.3	2.3	2.3	4.7	4.7	4.7
72.5°	14.0	9.3	7.0	4.7	4.7	2.3	4.7	4.7	4.7	4.7	4.7
75°	*11.7*	*9.3*	*7.0*	*4.7*	*4.7*	*2.3*	*4.7*	*4.7*	*7.0*	*7.0*	*7.0*
77.5°	11.7	7.0	7.0	4.7	4.7	2.3	4.7	7.0	7.0	7.0	7.0
80°	11.7	7.0	7.0	4.7	4.7	2.3	4.7	7.0	7.0	7.0	7.0
82.5°	11.7	7.0	7.0	4.7	4.7	2.3	4.7	7.0	7.0	7.0	7.0
85°	7.0	7.0	7.0	7.0	4.7	2.3	7.0	9.3	9.3	7.0	7.0
87.5°	4.7	4.7	7.0	7.0	4.7	2.3	7.0	9.3	9.3	7.0	7.0
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: P560576
CATALOG NUMBER: SDL-PA1-50-750-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1530.9	1530.9	1530.9	1530.9
2.5°	1099.1	1087.5	1073.5	1101.5
5°	826.1	816.8	807.4	823.8
7.5°	490.1	492.4	492.4	466.7
10°	366.4	345.4	322.0	322.0
12.5°	182.0	168.0	154.0	151.7
15°	130.7	133.0	135.4	135.4
17.5°	128.3	123.7	116.7	112.0
20°	114.3	119.0	121.3	121.3
22.5°	100.3	98.0	93.3	93.3
25°	100.3	102.7	105.0	105.0
27.5°	77.0	77.0	74.7	74.7
30°	74.7	74.7	74.7	74.7
32.5°	58.3	60.7	60.7	60.7
35°	49.0	49.0	49.0	49.0
37.5°	37.3	37.3	37.3	35.0
40°	28.0	28.0	28.0	28.0
42.5°	21.0	21.0	21.0	21.0
45°	16.3	16.3	16.3	16.3
47.5°	14.0	14.0	11.7	11.7
50°	9.3	9.3	9.3	9.3
52.5°	7.0	7.0	7.0	7.0
55°	4.7	4.7	4.7	4.7
57.5°	4.7	4.7	4.7	4.7
60°	2.3	2.3	2.3	2.3
62.5°	2.3	2.3	2.3	2.3
65°	2.3	2.3	2.3	2.3
67.5°	2.3	2.3	2.3	2.3
70°	2.3	2.3	2.3	2.3
72.5°	4.7	4.7	2.3	2.3
75°	*4.7*	*4.7*	*2.3*	*2.3*
77.5°	4.7	4.7	2.3	2.3
80°	4.7	4.7	2.3	2.3
82.5°	4.7	4.7	2.3	2.3
85°	4.7	4.7	4.7	2.3
87.5°	4.7	4.7	4.7	2.3
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)