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: P559881

Luminaire Tested: **SDL-PA1-100-750-U-T2U**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P559881
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-8)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-100-750-U-T2U
Description:	Springdale
	(1) 70 CRI, 5000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10440.1 lumens
Efficiency:	N/A
Efficacy:	111.3 lumens/watt
Luminous Opening:	Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification:	Type II - Medium
BUG Rating:	B3 - U0 - G3

Input Watts (W):	93.8
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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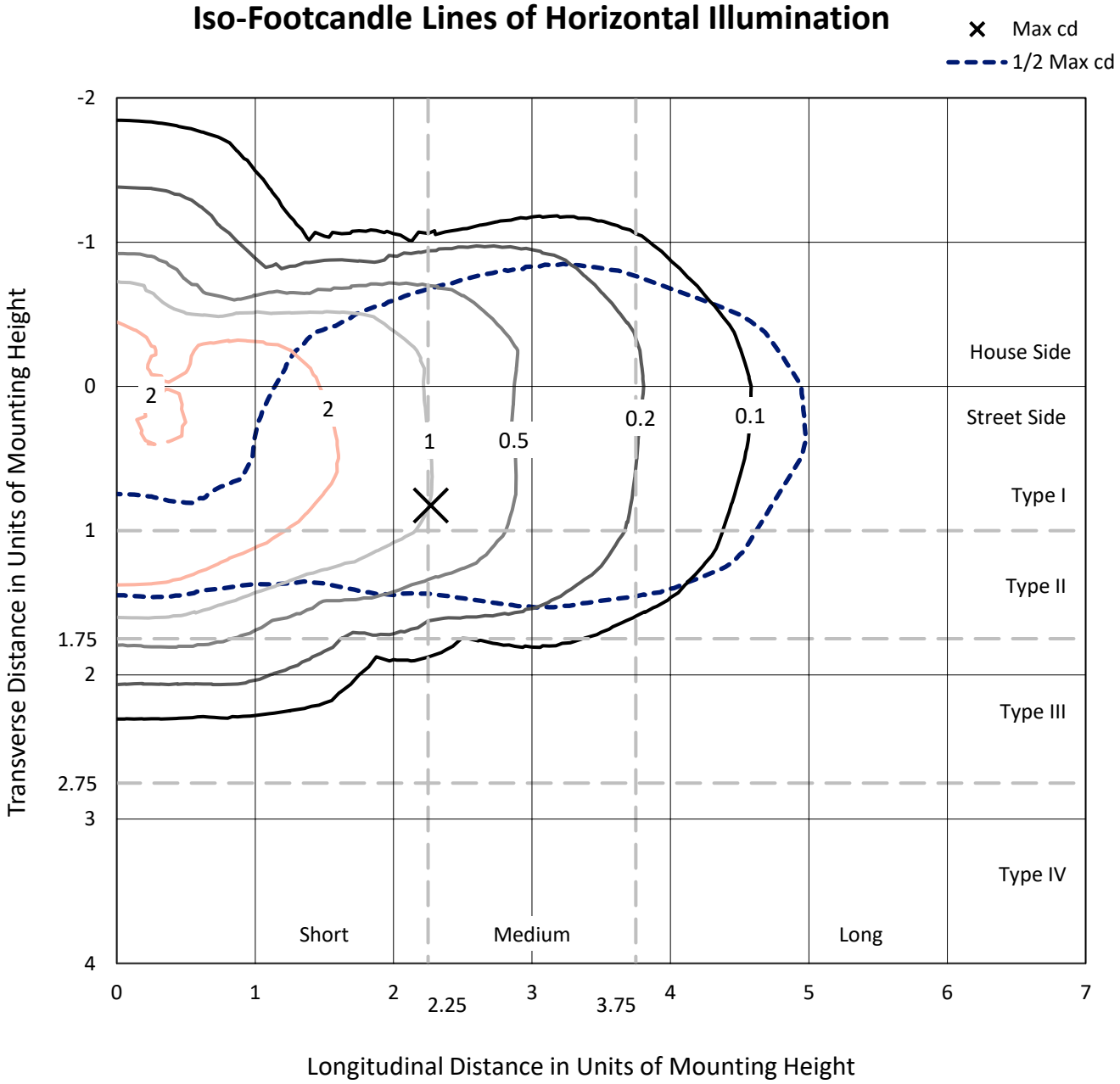
Iso-Footcandle Lines of Horizontal Illumination



Based on 20 foot mounting height. Maximum calculated value = 4.7 fc
Type II - Medium - N/A

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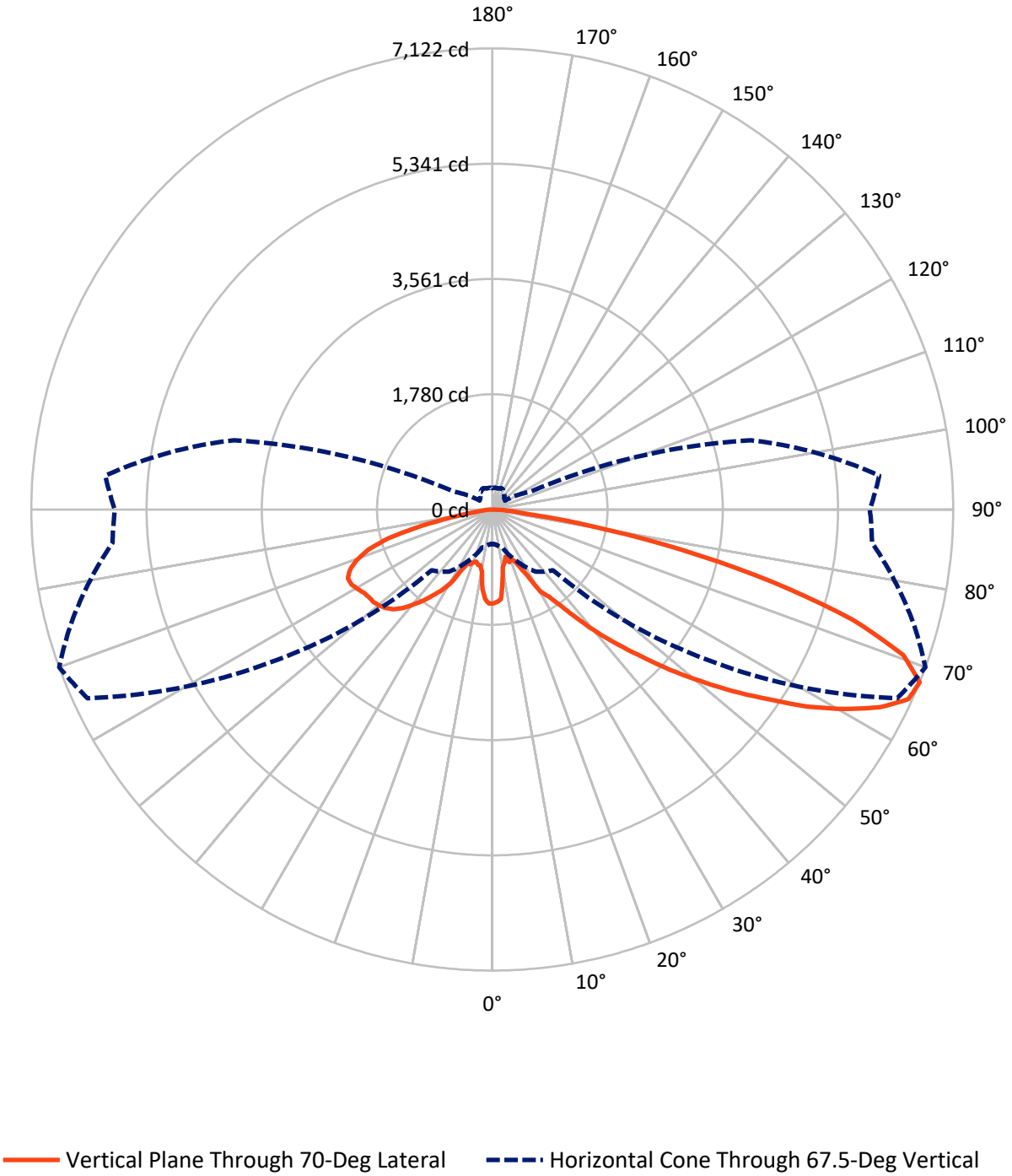
Luminous Intensity Polar Plot



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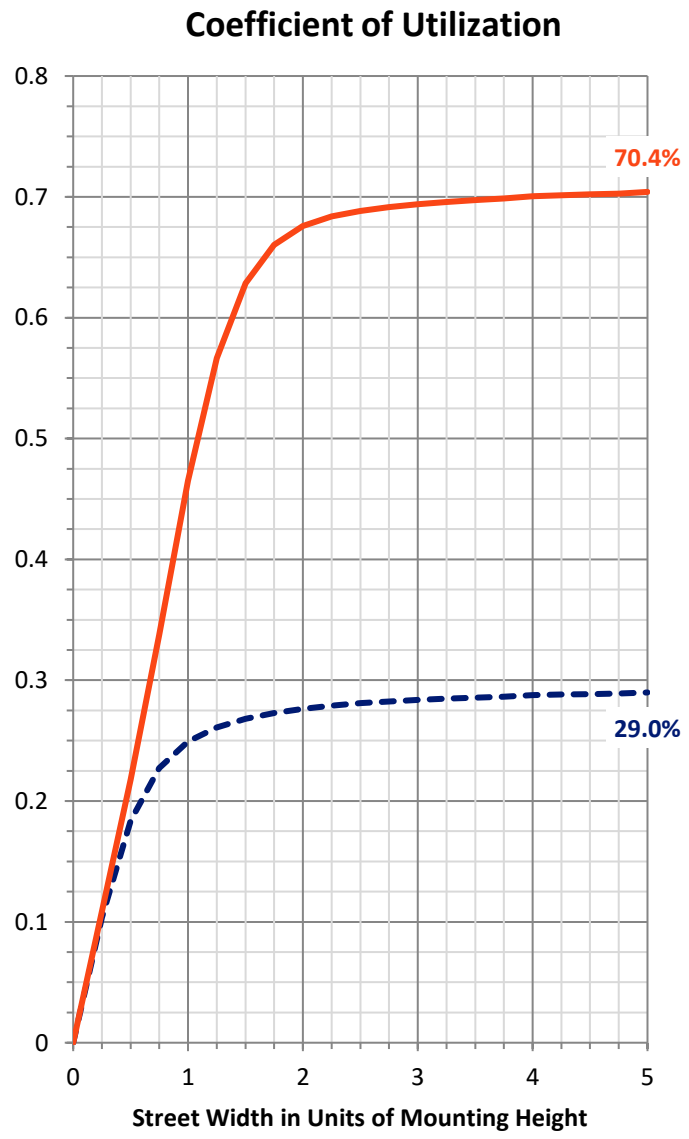
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3061.6	0.0	3061.6
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	7378.5	0.0	7378.5
	% Fixture	70.7	0.0	70.7
Total	Lumens	10440.1	0.0	10440.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.5	1.1
10°-20°	273.4	2.6
20°-30°	485.6	4.7
30°-40°	1026.6	9.8
40°-50°	1879.4	18.0
50°-60°	2563.9	24.6
60°-70°	2417.1	23.2
70°-80°	1462.8	14.0
80°-90°	214.9	2.1
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°	10440.1	100.0
0°-180°	10440.1	100.0



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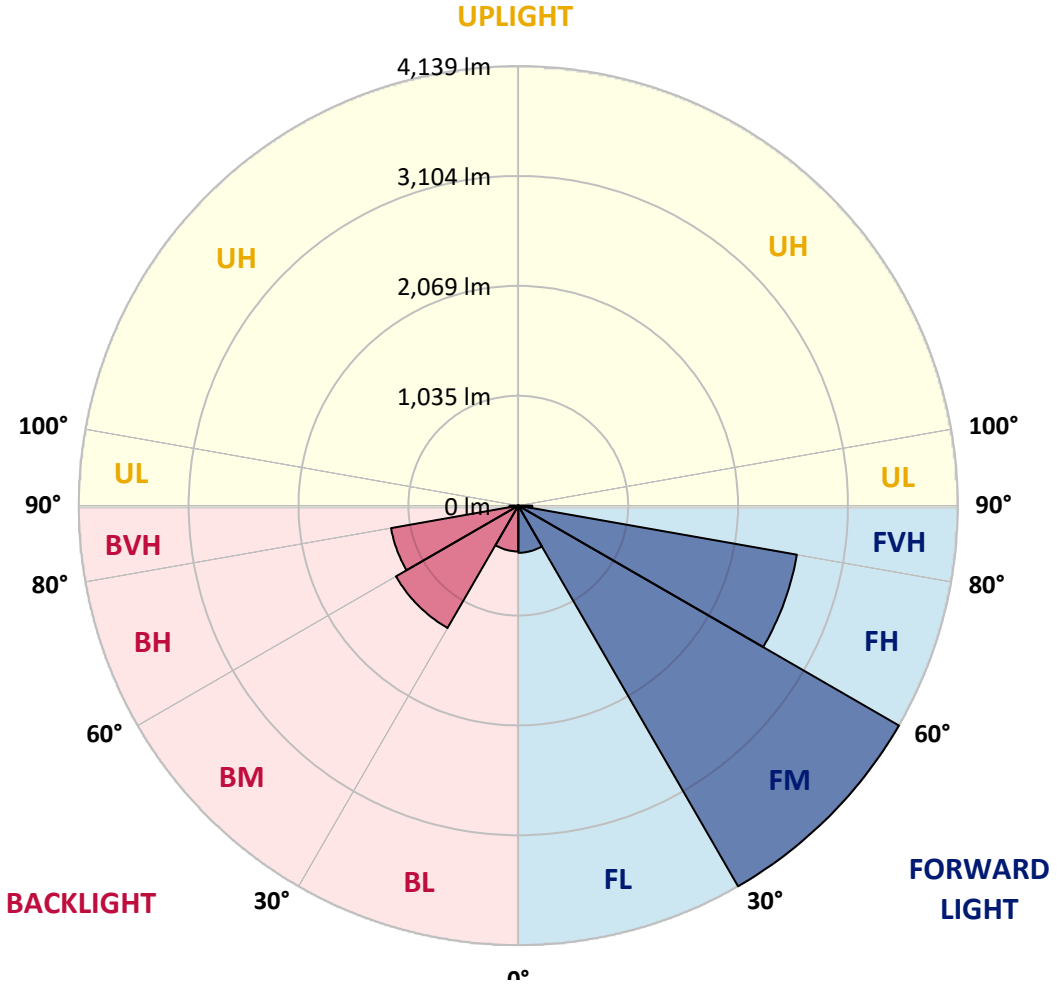
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	444.3	4.3			
FM	(30°-60°)	4138.9	39.6			
FH	(60°-80°)	2663.5	25.5			G2/5000
FVH	(80°-90°)	131.8	1.3			G2/225
BL	(0°-30°)	431.2	4.1	B1/500		
BM	(30°-60°)	1330.9	12.7	B2/2500		
BH	(60°-80°)	1216.3	11.7	B3/2500		G3/2500
BVH	(80°-90°)	83.1	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type II Medium



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CATALOG NUMBER: SDL-PA1-100-750-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1453.6	1453.6	1453.6	1453.6	1453.6	1453.6	1453.6	1453.6	1453.6	1453.6	1453.6
2.5°	1220.8	1232.0	1307.2	1382.3	1386.0	1386.0	1389.8	1393.5	1404.8	1412.3	1419.8
5°	1138.1	1145.6	1145.6	1145.6	1149.4	1153.2	1156.9	1156.9	1164.4	1168.2	1175.7
7.5°	954.1	1029.2	1055.5	1078.0	1093.1	1104.3	1111.8	1119.3	1126.9	1134.4	1141.9
10°	1085.5	1085.5	1089.3	1089.3	1089.3	1085.5	1010.4	931.5	969.1	1006.7	950.3
12.5°	894.0	909.0	976.6	1040.5	1059.2	1074.3	1036.7	995.4	927.8	860.2	852.7
15°	1063.0	1063.0	1063.0	1059.2	991.6	920.3	848.9	773.8	818.9	863.9	796.3
17.5°	920.3	920.3	976.6	1029.2	1025.4	1017.9	954.1	886.5	781.3	672.4	758.8
20°	1160.7	1156.9	1138.1	1115.6	976.6	837.6	867.7	897.7	905.2	909.0	882.7
22.5°	1036.7	1040.5	1063.0	1085.5	1089.3	1093.1	931.5	766.3	860.2	954.1	863.9
25°	1442.4	1434.9	1401.1	1363.5	1209.5	1051.7	1081.8	1111.8	957.8	800.1	897.7
27.5°	1371.0	1348.5	1333.4	1318.4	1344.7	1371.0	1228.3	1081.8	1115.6	1149.4	1025.4
30°	1960.7	1960.7	1923.2	1881.9	1649.0	1412.3	1374.8	1337.2	1247.1	1153.2	1175.7
32.5°	2482.8	2482.8	2343.9	2201.1	2062.2	1923.2	1739.1	1555.1	1517.5	1476.2	1438.6
35°	3125.2	3106.4	3027.5	2944.9	2644.4	2343.9	2107.2	1870.6	1795.5	1720.3	1682.8
37.5°	3726.1	3684.8	3575.9	3463.2	3147.7	2828.4	2516.7	2204.9	2122.3	2039.6	1957.0
40°	4222.0	4199.4	4124.3	4045.4	3688.6	3331.7	2978.7	2621.8	2512.9	2404.0	2283.8
42.5°	4676.5	4657.7	4590.1	4518.7	4165.6	3808.8	3474.5	3136.4	2974.9	2813.4	2670.7
45°	5010.8	4980.7	4935.6	4886.8	4605.1	4319.6	3981.6	3639.8	3575.9	3512.0	3234.1
47.5°	5115.9	5063.4	5055.8	5048.3	4823.0	4597.6	4327.1	4056.7	4068.0	4079.2	3756.2
50°	4961.9	4883.1	4916.9	4950.7	4860.5	4766.6	4556.3	4345.9	4439.8	4530.0	4274.5
52.5°	4402.3	4383.5	4469.9	4552.5	4575.0	4597.6	4552.5	4503.7	4676.5	4849.2	4755.3
55°	3632.2	3714.9	3835.1	3955.3	4049.2	4139.3	4270.8	4402.3	4699.0	4995.7	5063.4
57.5°	2862.2	2948.6	3087.6	3226.6	3335.5	3444.4	3714.9	3985.3	4432.3	4879.3	5183.5
60°	1926.9	2017.1	2246.2	2471.6	2625.6	2779.6	3023.7	3267.9	3831.3	4394.7	5010.8
62.5°	1284.6	1254.6	1446.1	1633.9	1881.9	2129.8	2238.7	2343.9	2933.6	3519.6	4514.9
65°	788.8	792.6	867.7	939.0	1213.3	1483.7	1570.1	1652.7	1987.0	2321.3	3677.3
67.5°	*529.6*	*540.9*	*574.7*	*608.5*	*740.0*	*871.4*	*1021.7*	*1171.9*	*1250.8*	*1325.9*	*2681.9*
70°	469.5	473.3	488.3	503.3	540.9	578.5	717.4	856.4	811.3	762.5	1521.3
72.5°	413.2	416.9	443.2	465.8	484.5	503.3	586.0	668.6	616.0	563.4	758.8
75°	338.1	349.3	375.6	398.2	435.7	469.5	488.3	507.1	480.8	450.7	488.3
77.5°	278.0	285.5	304.3	323.0	360.6	394.4	413.2	432.0	390.6	349.3	371.9
80°	217.9	221.6	236.6	251.7	281.7	308.0	330.5	349.3	311.8	270.4	281.7
82.5°	131.5	135.2	157.8	176.5	202.8	225.4	240.4	251.7	262.9	270.4	236.6
85°	71.4	71.4	86.4	101.4	105.2	108.9	124.0	135.2	169.0	199.1	172.8
87.5°	11.3	11.3	15.0	15.0	22.5	26.3	30.0	30.0	33.8	33.8	37.6
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1453.6	1453.6	1453.6	*1453.6*	1453.6	1453.6	1453.6	1453.6	1453.6	1453.6	1453.6
2.5°	1423.6	1427.4	1427.4	*1427.4*	1431.1	1434.9	1438.6	1438.6	1442.4	1446.1	1449.9
5°	1183.2	1280.9	1374.8	*1389.8*	1401.1	1408.6	1416.1	1419.8	1427.4	1434.9	1438.6
7.5°	1149.4	1149.4	1149.4	*1123.1*	1220.8	1232.0	1243.3	1250.8	1258.3	1250.8	1239.5
10°	890.2	890.2	886.5	*894.0*	935.3	1006.7	1074.3	1081.8	1089.3	1029.2	965.3
12.5°	841.4	852.7	863.9	*845.1*	770.0	833.9	897.7	909.0	912.8	860.2	803.8
15°	724.9	728.7	732.5	*758.8*	912.8	976.6	1040.5	1051.7	1063.0	1006.7	946.6
17.5°	841.4	815.1	785.0	*856.4*	796.3	837.6	875.2	785.0	867.7	852.7	837.6
20°	856.4	766.3	672.4	*800.1*	935.3	999.1	1059.2	1066.8	1070.5	1025.4	976.6
22.5°	773.8	860.2	946.6	*860.2*	807.6	800.1	792.6	788.8	792.6	818.9	841.4
25°	995.4	886.5	777.5	*976.6*	1100.6	1130.6	1160.7	1145.6	1138.1	1081.8	1025.4
27.5°	901.5	987.9	1070.5	*1153.2*	1190.7	1232.0	1269.6	1280.9	1220.8	1160.7	1100.6
30°	1194.5	1247.1	1295.9	*1464.9*	1588.9	1626.4	1664.0	1626.4	1603.9	1528.8	1449.9
32.5°	1397.3	1502.5	1607.7	*1603.9*	1720.3	1750.4	1776.7	1727.8	1686.5	1603.9	1517.5
35°	1645.2	1712.8	1780.4	*1818.0*	1934.4	1945.7	1957.0	1893.1	1833.0	1735.4	1637.7
37.5°	1874.3	1960.7	2043.4	*2137.3*	2238.7	2216.2	2189.9	2111.0	2013.3	1938.2	1863.1
40°	2159.8	2265.0	2370.2	*2490.4*	2550.5	2516.7	2479.1	2358.9	2265.0	2186.1	2107.2
42.5°	2524.2	2636.8	2745.8	*2851.0*	2873.5	2835.9	2794.6	2663.1	2520.4	2441.5	2358.9
45°	2952.4	3042.5	3132.7	*3241.6*	3286.7	3219.1	3147.7	2982.4	2813.4	2700.7	2588.0
47.5°	3429.4	3470.7	3512.0	*3699.9*	3760.0	3647.3	3530.8	3350.5	3113.9	2967.4	2817.1
50°	4019.1	4007.9	3992.8	*4158.1*	4297.1	4109.3	3917.7	3707.4	3474.5	3267.9	3057.5
52.5°	4661.4	4552.5	4439.8	*4661.4*	4729.0	4503.7	4278.3	4052.9	3820.1	3553.4	3282.9
55°	5131.0	5070.9	5010.8	*5168.5*	5161.0	4898.1	4631.4	4364.7	4173.1	3816.3	3459.5
57.5°	5484.0	5536.6	5585.5	*5743.2*	5562.9	5262.4	4961.9	4695.2	4530.0	4083.0	3636.0
60°	5623.0	5893.5	6160.2	*6254.1*	5979.9	5641.8	5300.0	5037.1	4898.1	4357.2	3816.3
62.5°	5510.3	6107.6	6704.8	*6723.6*	6363.0	5983.6	5604.2	5390.1	5318.8	4653.9	3985.3
65°	5033.3	6017.4	6997.8	*7065.4*	6659.7	6261.6	5859.7	5701.9	5747.0	4931.9	4113.0
67.5°	*4034.2*	*5469.0*	*6900.1*	*7121.7*	*6731.1*	*6310.4*	*5889.7*	*5833.4*	*6002.4*	*5067.1*	*4131.8*
70°	2280.0	4203.2	6122.6	*6738.6*	6532.0	6115.1	5694.4	5720.7	5972.3	4992.0	4011.6
72.5°	950.3	2907.3	4864.3	*5829.6*	6009.9	5656.8	5300.0	5397.7	5570.4	4638.9	3703.6
75°	525.9	1855.6	3185.3	*4469.9*	5025.8	4931.9	4834.2	4943.2	4860.5	3959.0	3057.5
77.5°	390.6	1002.9	1615.2	*2993.7*	3782.5	3996.6	4206.9	4259.5	3797.5	2892.3	1987.0
80°	293.0	477.0	657.3	*1528.8*	2028.3	2411.5	2794.6	2558.0	2234.9	1562.6	890.2
82.5°	202.8	274.2	345.6	*492.1*	788.8	909.0	1025.4	976.6	732.5	514.6	293.0
85°	142.7	180.3	217.9	*270.4*	338.1	270.4	202.8	165.3	191.6	176.5	161.5
87.5°	37.6	37.6	33.8	*37.6*	26.3	22.5	18.8	15.0	15.0	15.0	15.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1453.6	1453.6	1453.6	1453.6	1453.6	1453.6	1453.6	1453.6	1453.6	1453.6	1453.6
2.5°	1453.6	1457.4	1457.4	1457.4	1457.4	1453.6	1434.9	1416.1	1371.0	1325.9	1310.9
5°	1389.8	1341.0	1303.4	1265.8	1265.8	1265.8	1273.4	1280.9	1284.6	1288.4	1292.1
7.5°	1239.5	1235.8	1250.8	1265.8	1277.1	1288.4	1295.9	1303.4	1288.4	1273.4	1239.5
10°	969.1	969.1	987.9	1002.9	1029.2	1055.5	1130.6	1205.7	1269.6	1333.4	1344.7
12.5°	878.9	950.3	909.0	863.9	957.8	1051.7	1134.4	1213.3	1277.1	1337.2	1288.4
15°	882.7	815.1	830.1	845.1	946.6	1048.0	972.9	894.0	1044.2	1190.7	1224.5
17.5°	841.4	845.1	912.8	980.4	878.9	773.8	905.2	1036.7	1093.1	1145.6	1096.8
20°	863.9	747.5	826.4	905.2	976.6	1044.2	976.6	905.2	924.0	942.8	1070.5
22.5°	912.8	984.1	916.5	848.9	931.5	1010.4	976.6	942.8	1002.9	1059.2	1006.7
25°	909.0	788.8	901.5	1014.2	939.0	860.2	901.5	942.8	912.8	878.9	976.6
27.5°	1048.0	995.4	965.3	931.5	972.9	1014.2	927.8	841.4	841.4	841.4	830.1
30°	1310.9	1171.9	1111.8	1048.0	946.6	845.1	815.1	785.0	788.8	792.6	848.9
32.5°	1464.9	1412.3	1232.0	1051.7	957.8	863.9	785.0	706.2	713.7	721.2	792.6
35°	1600.1	1558.8	1318.4	1074.3	920.3	762.5	694.9	623.5	657.3	687.4	747.5
37.5°	1754.1	1641.5	1314.7	984.1	818.9	653.6	612.3	570.9	593.5	612.3	649.8
40°	1893.1	1675.3	1280.9	882.7	717.4	548.4	529.6	507.1	525.9	544.6	567.2
42.5°	2043.4	1724.1	1232.0	736.2	604.7	473.3	465.8	458.3	477.0	495.8	510.8
45°	2159.8	1731.6	1168.2	601.0	514.6	428.2	428.2	424.5	443.2	458.3	465.8
47.5°	2234.9	1649.0	1066.8	480.8	443.2	405.7	409.4	409.4	424.5	435.7	439.5
50°	2287.5	1513.7	969.1	424.5	405.7	386.9	386.9	386.9	401.9	413.2	420.7
52.5°	2325.1	1363.5	878.9	390.6	383.1	371.9	371.9	368.1	386.9	405.7	409.4
55°	2336.4	1209.5	788.8	364.4	356.8	349.3	356.8	360.6	383.1	401.9	405.7
57.5°	2362.6	1089.3	713.7	338.1	334.3	330.5	341.8	353.1	375.6	398.2	398.2
60°	2415.2	1010.4	661.1	311.8	311.8	311.8	330.5	345.6	368.1	390.6	386.9
62.5°	2464.1	939.0	612.3	285.5	289.2	293.0	315.5	338.1	360.6	383.1	379.4
65°	2471.6	826.4	544.6	262.9	270.4	274.2	300.5	326.8	349.3	371.9	364.4
67.5°	*2388.9*	*646.1*	*443.2*	*240.4*	*251.7*	*259.2*	*289.2*	*315.5*	*338.1*	*356.8*	*349.3*
70°	2238.7	462.0	341.8	221.6	232.9	240.4	270.4	296.7	315.5	334.3	326.8
72.5°	2017.1	330.5	266.7	202.8	210.3	217.9	244.2	270.4	293.0	311.8	304.3
75°	1664.0	266.7	225.4	184.1	191.6	195.3	221.6	244.2	266.7	285.5	274.2
77.5°	1104.3	217.9	191.6	165.3	169.0	172.8	195.3	214.1	232.9	247.9	240.4
80°	533.4	176.5	161.5	142.7	146.5	146.5	165.3	184.1	199.1	210.3	206.6
82.5°	217.9	139.0	127.7	116.4	116.4	116.4	135.2	150.2	165.3	176.5	169.0
85°	135.2	108.9	101.4	90.1	86.4	82.6	90.1	97.7	105.2	108.9	105.2
87.5°	18.8	18.8	22.5	26.3	22.5	15.0	22.5	30.0	30.0	26.3	22.5
90°	0.0	0.0	11.3	11.3	7.5	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: SDL-PA1-100-750-U-T2U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1453.6	1453.6	1453.6	1453.6
2.5°	1295.9	1295.9	1295.9	1303.4
5°	1292.1	1292.1	1292.1	1299.6
7.5°	1205.7	1168.2	1130.6	1134.4
10°	1352.2	1356.0	1356.0	1359.7
12.5°	1235.8	1175.7	1115.6	1123.1
15°	1258.3	1258.3	1254.6	1258.3
17.5°	1048.0	1029.2	1010.4	1010.4
20°	1198.2	1198.2	1198.2	1198.2
22.5°	954.1	950.3	946.6	950.3
25°	1074.3	1078.0	1078.0	1074.3
27.5°	818.9	867.7	912.8	916.5
30°	901.5	901.5	901.5	901.5
32.5°	863.9	901.5	939.0	942.8
35°	803.8	800.1	796.3	807.6
37.5°	683.6	676.1	668.6	668.6
40°	589.7	574.7	559.7	559.7
42.5°	522.1	510.8	495.8	492.1
45°	473.3	462.0	447.0	447.0
47.5°	439.5	432.0	424.5	420.7
50°	424.5	416.9	409.4	409.4
52.5°	413.2	409.4	401.9	401.9
55°	405.7	401.9	394.4	394.4
57.5°	398.2	394.4	386.9	386.9
60°	383.1	379.4	375.6	375.6
62.5°	371.9	368.1	364.4	364.4
65°	356.8	356.8	353.1	349.3
67.5°	*338.1*	*338.1*	*338.1*	*330.5*
70°	315.5	315.5	315.5	308.0
72.5°	293.0	293.0	289.2	278.0
75°	262.9	259.2	255.4	247.9
77.5°	232.9	225.4	217.9	214.1
80°	199.1	191.6	184.1	176.5
82.5°	157.8	154.0	146.5	127.7
85°	97.7	86.4	71.4	63.9
87.5°	18.8	15.0	11.3	3.8
90°	0.0	0.0	0.0	0.0

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