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: P561311

Luminaire Tested: **SDL-PA1-90-760-U-T2U**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P561311
	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-PA1-90-760-U-T2U
Description:	Springdale
	(1) 70 CRI, 5700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	10345.1 lumens
Efficiency:	N/A
Efficacy:	112.0 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):	92.4
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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Scaled Data Report

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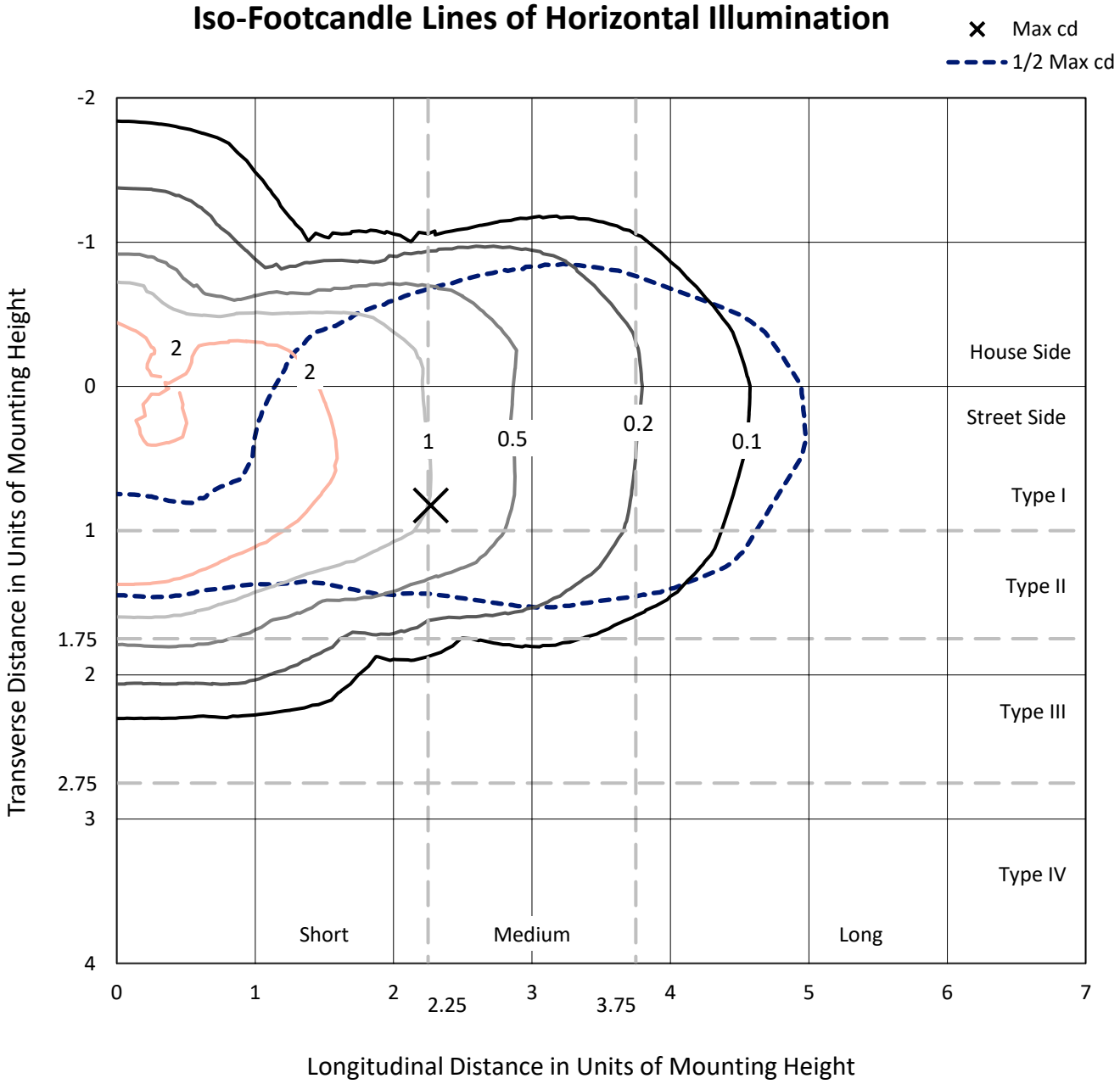
Iso-Footcandle Lines of Horizontal Illumination



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

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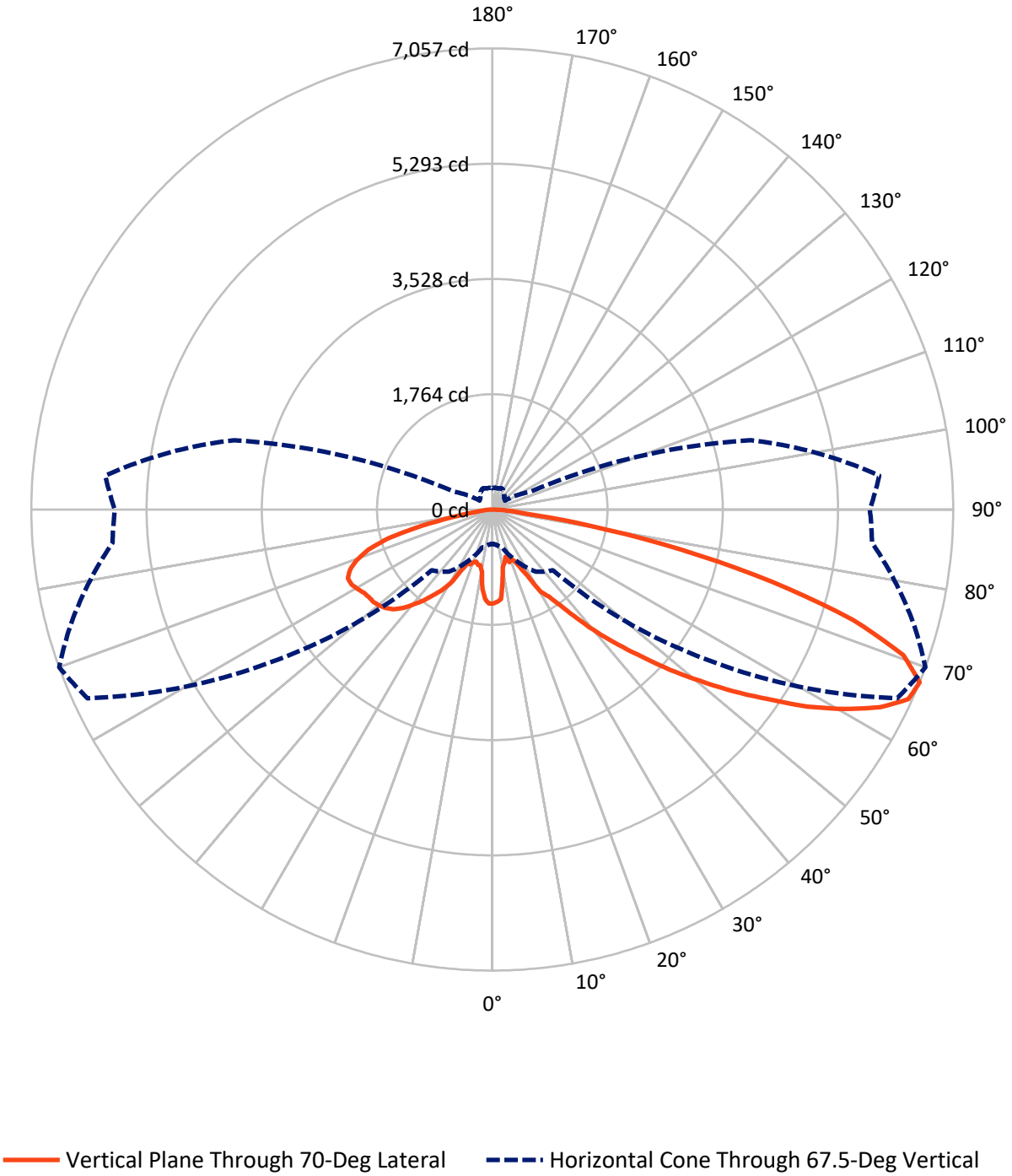
Luminous Intensity Polar Plot



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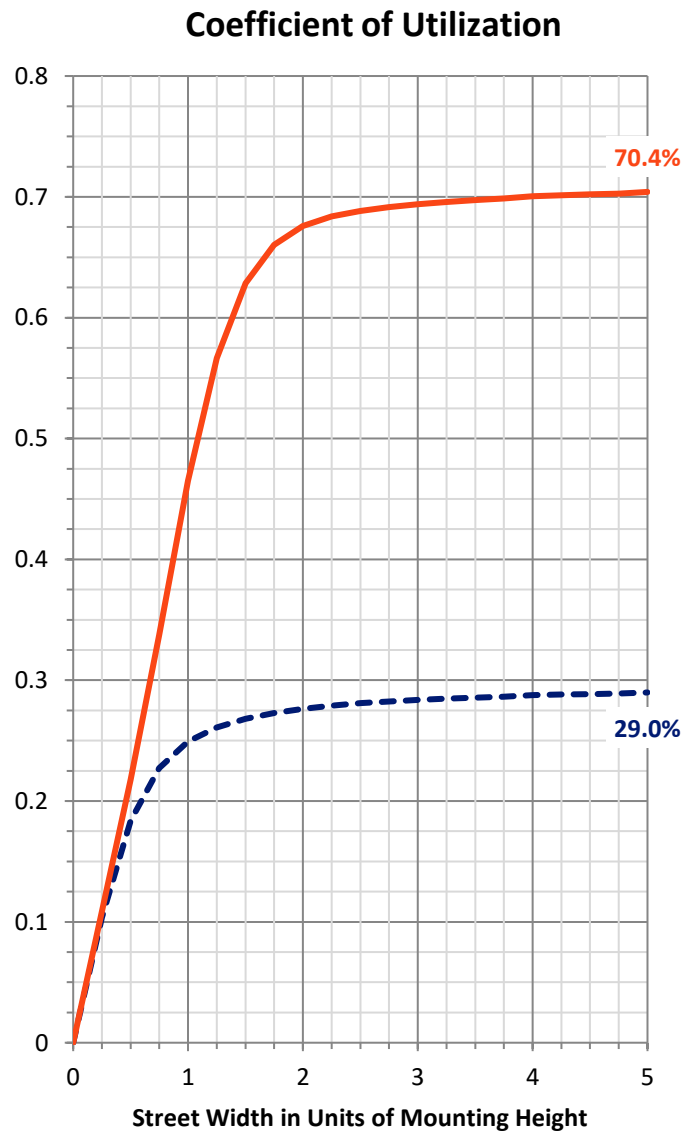
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3033.8	0.0	3033.8
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	7311.3	0.0	7311.3
	% Fixture	70.7	0.0	70.7
Total	Lumens	10345.1	0.0	10345.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.4	1.1
10°-20°	270.9	2.6
20°-30°	481.2	4.7
30°-40°	1017.3	9.8
40°-50°	1862.3	18.0
50°-60°	2540.5	24.6
60°-70°	2395.1	23.2
70°-80°	1449.5	14.0
80°-90°	212.9	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°	10345.1	100.0
0°-180°	10345.1	100.0



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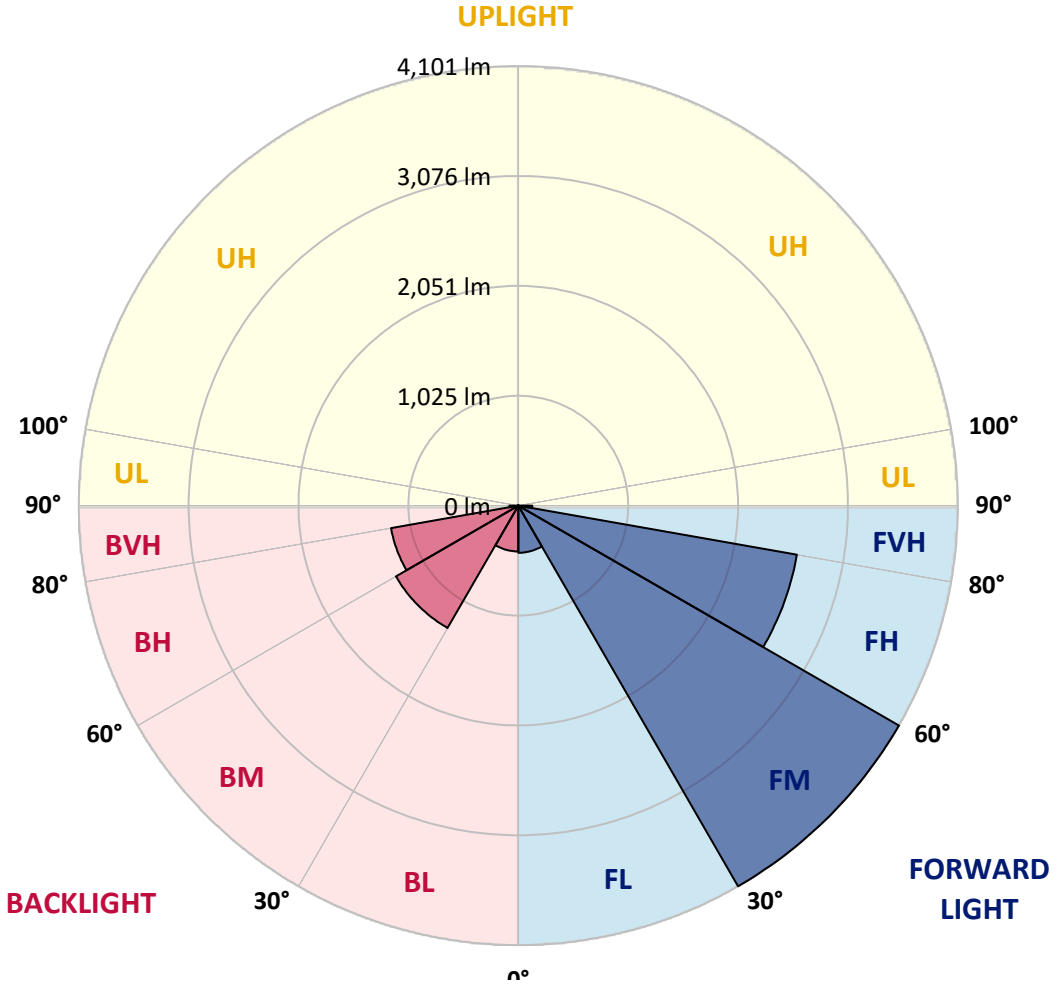
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	440.2	4.3			
FM	(30°-60°)	4101.2	39.6			
FH	(60°-80°)	2639.3	25.5			G2/5000
FVH	(80°-90°)	130.6	1.3			G2/225
BL	(0°-30°)	427.3	4.1	B1/500		
BM	(30°-60°)	1318.8	12.7	B2/2500		
BH	(60°-80°)	1205.3	11.7	B3/2500		G3/2500
BVH	(80°-90°)	82.4	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



REPORT NUMBER: P561311
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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1440.4	1440.4	1440.4	1440.4	1440.4	1440.4	1440.4	1440.4	1440.4	1440.4	1440.4
2.5°	1209.7	1220.8	1295.3	1369.7	1373.4	1373.4	1377.1	1380.9	1392.0	1399.5	1406.9
5°	1127.8	1135.2	1135.2	1135.2	1138.9	1142.7	1146.4	1146.4	1153.8	1157.5	1165.0
7.5°	945.4	1019.8	1045.9	1068.2	1083.1	1094.3	1101.7	1109.2	1116.6	1124.0	1131.5
10°	1075.7	1075.7	1079.4	1079.4	1079.4	1075.7	1001.2	923.1	960.3	997.5	941.7
12.5°	885.8	900.7	967.7	1031.0	1049.6	1064.5	1027.3	986.3	919.3	852.3	844.9
15°	1053.3	1053.3	1053.3	1049.6	982.6	911.9	841.2	766.7	811.4	856.1	789.1
17.5°	911.9	911.9	967.7	1019.8	1016.1	1008.7	945.4	878.4	774.2	666.2	751.8
20°	1150.1	1146.4	1127.8	1105.4	967.7	830.0	859.8	889.6	897.0	900.7	874.7
22.5°	1027.3	1031.0	1053.3	1075.7	1079.4	1083.1	923.1	759.3	852.3	945.4	856.1
25°	1429.3	1421.8	1388.3	1351.1	1198.5	1042.2	1071.9	1101.7	949.1	792.8	889.6
27.5°	1358.5	1336.2	1321.3	1306.4	1332.5	1358.5	1217.1	1071.9	1105.4	1138.9	1016.1
30°	1942.9	1942.9	1905.7	1864.7	1634.0	1399.5	1362.3	1325.0	1235.7	1142.7	1165.0
32.5°	2460.3	2460.3	2322.5	2181.1	2043.4	1905.7	1723.3	1540.9	1503.7	1462.8	1425.5
35°	3096.7	3078.1	2999.9	2918.1	2620.3	2322.5	2088.1	1853.6	1779.1	1704.7	1667.5
37.5°	3692.2	3651.3	3543.4	3431.7	3119.1	2802.7	2493.8	2184.8	2102.9	2021.1	1939.2
40°	4183.5	4161.2	4086.8	4008.6	3655.0	3301.4	2951.6	2598.0	2490.0	2382.1	2263.0
42.5°	4633.9	4615.3	4548.3	4477.6	4127.7	3774.1	3442.9	3107.9	2947.8	2787.8	2646.4
45°	4965.2	4935.4	4890.7	4842.3	4563.2	4280.3	3945.3	3606.6	3543.4	3480.1	3204.7
47.5°	5069.4	5017.3	5009.8	5002.4	4779.1	4555.8	4287.8	4019.8	4030.9	4042.1	3722.0
50°	4916.8	4838.6	4872.1	4905.6	4816.3	4723.2	4514.8	4306.4	4399.4	4488.8	4235.7
52.5°	4362.2	4343.6	4429.2	4511.1	4533.4	4555.8	4511.1	4462.7	4633.9	4805.1	4712.1
55°	3599.2	3681.1	3800.2	3919.3	4012.3	4101.7	4231.9	4362.2	4656.2	4950.3	5017.3
57.5°	2836.2	2921.8	3059.5	3197.2	3305.2	3413.1	3681.1	3949.1	4392.0	4834.9	5136.4
60°	1909.4	1998.7	2225.8	2449.1	2601.7	2754.3	2996.2	3238.2	3796.5	4354.8	4965.2
62.5°	1272.9	1243.2	1433.0	1619.1	1864.7	2110.4	2218.3	2322.5	2906.9	3487.5	4473.9
65°	781.6	785.3	859.8	930.5	1202.2	1470.2	1555.8	1637.7	1968.9	2300.2	3643.9
67.5°	*524.8*	*536.0*	*569.5*	*603.0*	*733.2*	*863.5*	*1012.4*	*1161.3*	*1239.4*	*1313.9*	*2657.5*
70°	465.3	469.0	483.9	498.8	536.0	573.2	710.9	848.6	804.0	755.6	1507.4
72.5°	409.4	413.1	439.2	461.5	480.1	498.8	580.6	662.5	610.4	558.3	751.8
75°	335.0	346.1	372.2	394.5	431.8	465.3	483.9	502.5	476.4	446.6	483.9
77.5°	275.4	282.9	301.5	320.1	357.3	390.8	409.4	428.0	387.1	346.1	368.5
80°	215.9	219.6	234.5	249.4	279.2	305.2	327.5	346.1	308.9	268.0	279.2
82.5°	130.3	134.0	156.3	174.9	201.0	223.3	238.2	249.4	260.5	268.0	234.5
85°	70.7	70.7	85.6	100.5	104.2	107.9	122.8	134.0	167.5	197.3	171.2
87.5°	11.2	11.2	14.9	14.9	22.3	26.1	29.8	29.8	33.5	33.5	37.2
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1440.4	1440.4	1440.4	*1440.4*	1440.4	1440.4	1440.4	1440.4	1440.4	1440.4	1440.4
2.5°	1410.6	1414.4	1414.4	*1414.4*	1418.1	1421.8	1425.5	1425.5	1429.3	1433.0	1436.7
5°	1172.4	1269.2	1362.3	*1377.1*	1388.3	1395.8	1403.2	1406.9	1414.4	1421.8	1425.5
7.5°	1138.9	1138.9	1138.9	*1112.9*	1209.7	1220.8	1232.0	1239.4	1246.9	1239.4	1228.3
10°	882.1	882.1	878.4	*885.8*	926.8	997.5	1064.5	1071.9	1079.4	1019.8	956.6
12.5°	833.7	844.9	856.1	*837.5*	763.0	826.3	889.6	900.7	904.5	852.3	796.5
15°	718.3	722.1	725.8	*751.8*	904.5	967.7	1031.0	1042.2	1053.3	997.5	937.9
17.5°	833.7	807.7	777.9	*848.6*	789.1	830.0	867.2	777.9	859.8	844.9	830.0
20°	848.6	759.3	666.2	*792.8*	926.8	990.1	1049.6	1057.1	1060.8	1016.1	967.7
22.5°	766.7	852.3	937.9	*852.3*	800.2	792.8	785.3	781.6	785.3	811.4	833.7
25°	986.3	878.4	770.5	*967.7*	1090.6	1120.3	1150.1	1135.2	1127.8	1071.9	1016.1
27.5°	893.3	978.9	1060.8	*1142.7*	1179.9	1220.8	1258.0	1269.2	1209.7	1150.1	1090.6
30°	1183.6	1235.7	1284.1	*1451.6*	1574.4	1611.6	1648.9	1611.6	1589.3	1514.9	1436.7
32.5°	1384.6	1488.8	1593.0	*1589.3*	1704.7	1734.5	1760.5	1712.1	1671.2	1589.3	1503.7
35°	1630.2	1697.2	1764.2	*1801.5*	1916.8	1928.0	1939.2	1875.9	1816.3	1719.6	1622.8
37.5°	1857.3	1942.9	2024.8	*2117.8*	2218.3	2196.0	2169.9	2091.8	1995.0	1920.6	1846.1
40°	2140.2	2244.4	2348.6	*2467.7*	2527.3	2493.8	2456.5	2337.4	2244.4	2166.2	2088.1
42.5°	2501.2	2612.9	2720.8	*2825.0*	2847.3	2810.1	2769.2	2638.9	2497.5	2419.3	2337.4
45°	2925.5	3014.8	3104.2	*3212.1*	3256.8	3189.8	3119.1	2955.3	2787.8	2676.1	2564.5
47.5°	3398.2	3439.1	3480.1	*3666.2*	3725.7	3614.1	3498.7	3320.0	3085.6	2940.4	2791.5
50°	3982.6	3971.4	3956.5	*4120.3*	4258.0	4071.9	3882.1	3673.6	3442.9	3238.2	3029.7
52.5°	4619.0	4511.1	4399.4	*4619.0*	4686.0	4462.7	4239.4	4016.1	3785.3	3521.0	3253.0
55°	5084.3	5024.7	4965.2	*5121.5*	5114.1	4853.5	4589.2	4325.0	4135.2	3781.6	3428.0
57.5°	5434.1	5486.3	5534.6	*5691.0*	5512.3	5214.5	4916.8	4652.5	4488.8	4045.8	3602.9
60°	5571.9	5839.8	6104.1	*6197.2*	5925.5	5590.5	5251.8	4991.2	4853.5	4317.5	3781.6
62.5°	5460.2	6052.0	6643.8	*6662.4*	6305.1	5929.2	5553.3	5341.1	5270.4	4611.6	3949.1
65°	4987.5	5962.7	6934.1	*7001.1*	6599.1	6204.6	5806.3	5650.0	5694.7	4887.0	4075.6
67.5°	*3997.4*	*5419.3*	*6837.3*	*7056.9*	*6669.9*	*6253.0*	*5836.1*	*5780.3*	*5947.8*	*5021.0*	*4094.2*
70°	2259.3	4164.9	6066.9	*6677.3*	6472.6	6059.4	5642.6	5668.6	5918.0	4946.6	3975.1
72.5°	941.7	2880.8	4820.0	*5776.6*	5955.2	5605.4	5251.8	5348.5	5519.8	4596.7	3669.9
75°	521.1	1838.7	3156.3	*4429.2*	4980.1	4887.0	4790.2	4898.2	4816.3	3923.0	3029.7
77.5°	387.1	993.8	1600.5	*2966.4*	3748.1	3960.2	4168.7	4220.8	3763.0	2866.0	1968.9
80°	290.3	472.7	651.4	*1514.9*	2009.9	2389.5	2769.2	2534.7	2214.6	1548.4	882.1
82.5°	201.0	271.7	342.4	*487.6*	781.6	900.7	1016.1	967.7	725.8	509.9	290.3
85°	141.4	178.7	215.9	*268.0*	335.0	268.0	201.0	163.8	189.8	174.9	160.0
87.5°	37.2	37.2	33.5	*37.2*	26.1	22.3	18.6	14.9	14.9	14.9	14.9
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°	1440.4	1440.4	1440.4	1440.4	1440.4	1440.4	1440.4	1440.4	1440.4	1440.4	1440.4
2.5°	1440.4	1444.1	1444.1	1444.1	1444.1	1440.4	1421.8	1403.2	1358.5	1313.9	1299.0
5°	1377.1	1328.8	1291.5	1254.3	1254.3	1254.3	1261.8	1269.2	1272.9	1276.7	1280.4
7.5°	1228.3	1224.5	1239.4	1254.3	1265.5	1276.7	1284.1	1291.5	1276.7	1261.8	1228.3
10°	960.3	960.3	978.9	993.8	1019.8	1045.9	1120.3	1194.8	1258.0	1321.3	1332.5
12.5°	871.0	941.7	900.7	856.1	949.1	1042.2	1124.0	1202.2	1265.5	1325.0	1276.7
15°	874.7	807.7	822.6	837.5	937.9	1038.4	964.0	885.8	1034.7	1179.9	1213.4
17.5°	833.7	837.5	904.5	971.4	871.0	766.7	897.0	1027.3	1083.1	1135.2	1086.8
20°	856.1	740.7	818.8	897.0	967.7	1034.7	967.7	897.0	915.6	934.2	1060.8
22.5°	904.5	975.2	908.2	841.2	923.1	1001.2	967.7	934.2	993.8	1049.6	997.5
25°	900.7	781.6	893.3	1004.9	930.5	852.3	893.3	934.2	904.5	871.0	967.7
27.5°	1038.4	986.3	956.6	923.1	964.0	1004.9	919.3	833.7	833.7	833.7	822.6
30°	1299.0	1161.3	1101.7	1038.4	937.9	837.5	807.7	777.9	781.6	785.3	841.2
32.5°	1451.6	1399.5	1220.8	1042.2	949.1	856.1	777.9	699.7	707.2	714.6	785.3
35°	1585.6	1544.6	1306.4	1064.5	911.9	755.6	688.6	617.9	651.4	681.1	740.7
37.5°	1738.2	1626.5	1302.7	975.2	811.4	647.6	606.7	565.7	588.1	606.7	643.9
40°	1875.9	1660.0	1269.2	874.7	710.9	543.4	524.8	502.5	521.1	539.7	562.0
42.5°	2024.8	1708.4	1220.8	729.5	599.2	469.0	461.5	454.1	472.7	491.3	506.2
45°	2140.2	1715.9	1157.5	595.5	509.9	424.3	424.3	420.6	439.2	454.1	461.5
47.5°	2214.6	1634.0	1057.1	476.4	439.2	402.0	405.7	405.7	420.6	431.8	435.5
50°	2266.7	1500.0	960.3	420.6	402.0	383.4	383.4	383.4	398.3	409.4	416.9
52.5°	2303.9	1351.1	871.0	387.1	379.6	368.5	368.5	364.8	383.4	402.0	405.7
55°	2315.1	1198.5	781.6	361.0	353.6	346.1	353.6	357.3	379.6	398.3	402.0
57.5°	2341.1	1079.4	707.2	335.0	331.3	327.5	338.7	349.9	372.2	394.5	394.5
60°	2393.3	1001.2	655.1	308.9	308.9	308.9	327.5	342.4	364.8	387.1	383.4
62.5°	2441.6	930.5	606.7	282.9	286.6	290.3	312.6	335.0	357.3	379.6	375.9
65°	2449.1	818.8	539.7	260.5	268.0	271.7	297.8	323.8	346.1	368.5	361.0
67.5°	*2367.2*	*640.2*	*439.2*	*238.2*	*249.4*	*256.8*	*286.6*	*312.6*	*335.0*	*353.6*	*346.1*
70°	2218.3	457.8	338.7	219.6	230.8	238.2	268.0	294.0	312.6	331.3	323.8
72.5°	1998.7	327.5	264.3	201.0	208.4	215.9	241.9	268.0	290.3	308.9	301.5
75°	1648.9	264.3	223.3	182.4	189.8	193.5	219.6	241.9	264.3	282.9	271.7
77.5°	1094.3	215.9	189.8	163.8	167.5	171.2	193.5	212.2	230.8	245.7	238.2
80°	528.5	174.9	160.0	141.4	145.2	145.2	163.8	182.4	197.3	208.4	204.7
82.5°	215.9	137.7	126.5	115.4	115.4	115.4	134.0	148.9	163.8	174.9	167.5
85°	134.0	107.9	100.5	89.3	85.6	81.9	89.3	96.8	104.2	107.9	104.2
87.5°	18.6	18.6	22.3	26.1	22.3	14.9	22.3	29.8	29.8	26.1	22.3
90°	0.0	0.0	11.2	11.2	7.4	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: SDL-PA1-90-760-U-T2U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1440.4	1440.4	1440.4	1440.4
2.5°	1284.1	1284.1	1284.1	1291.5
5°	1280.4	1280.4	1280.4	1287.8
7.5°	1194.8	1157.5	1120.3	1124.0
10°	1339.9	1343.6	1343.6	1347.4
12.5°	1224.5	1165.0	1105.4	1112.9
15°	1246.9	1246.9	1243.2	1246.9
17.5°	1038.4	1019.8	1001.2	1001.2
20°	1187.3	1187.3	1187.3	1187.3
22.5°	945.4	941.7	937.9	941.7
25°	1064.5	1068.2	1068.2	1064.5
27.5°	811.4	859.8	904.5	908.2
30°	893.3	893.3	893.3	893.3
32.5°	856.1	893.3	930.5	934.2
35°	796.5	792.8	789.1	800.2
37.5°	677.4	670.0	662.5	662.5
40°	584.4	569.5	554.6	554.6
42.5°	517.4	506.2	491.3	487.6
45°	469.0	457.8	442.9	442.9
47.5°	435.5	428.0	420.6	416.9
50°	420.6	413.1	405.7	405.7
52.5°	409.4	405.7	398.3	398.3
55°	402.0	398.3	390.8	390.8
57.5°	394.5	390.8	383.4	383.4
60°	379.6	375.9	372.2	372.2
62.5°	368.5	364.8	361.0	361.0
65°	353.6	353.6	349.9	346.1
67.5°	*335.0*	*335.0*	*335.0*	*327.5*
70°	312.6	312.6	312.6	305.2
72.5°	290.3	290.3	286.6	275.4
75°	260.5	256.8	253.1	245.7
77.5°	230.8	223.3	215.9	212.2
80°	197.3	189.8	182.4	174.9
82.5°	156.3	152.6	145.2	126.5
85°	96.8	85.6	70.7	63.3
87.5°	18.6	14.9	11.2	3.7
90°	0.0	0.0	0.0	0.0

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