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: P561253

Luminaire Tested: **SDL-PA1-90-730-U-T4W**

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:	P561253
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-12)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-90-730-U-T4W
Description:	Springdale
	(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9262.6 lumens
Efficiency:	N/A
Efficacy:	100.2 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:	B2 - 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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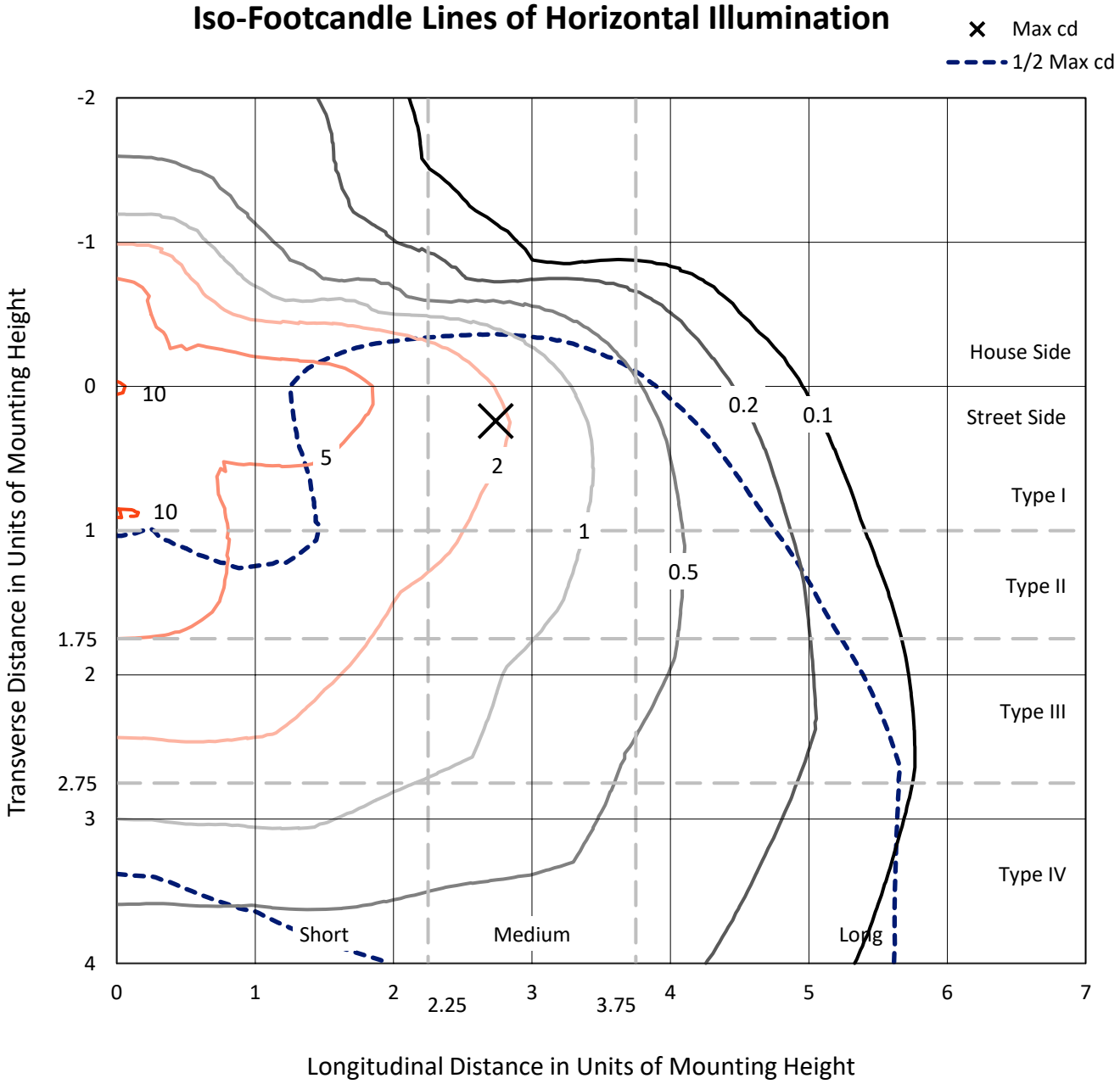
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 10.8 fc
Type IV - Medium - N/A

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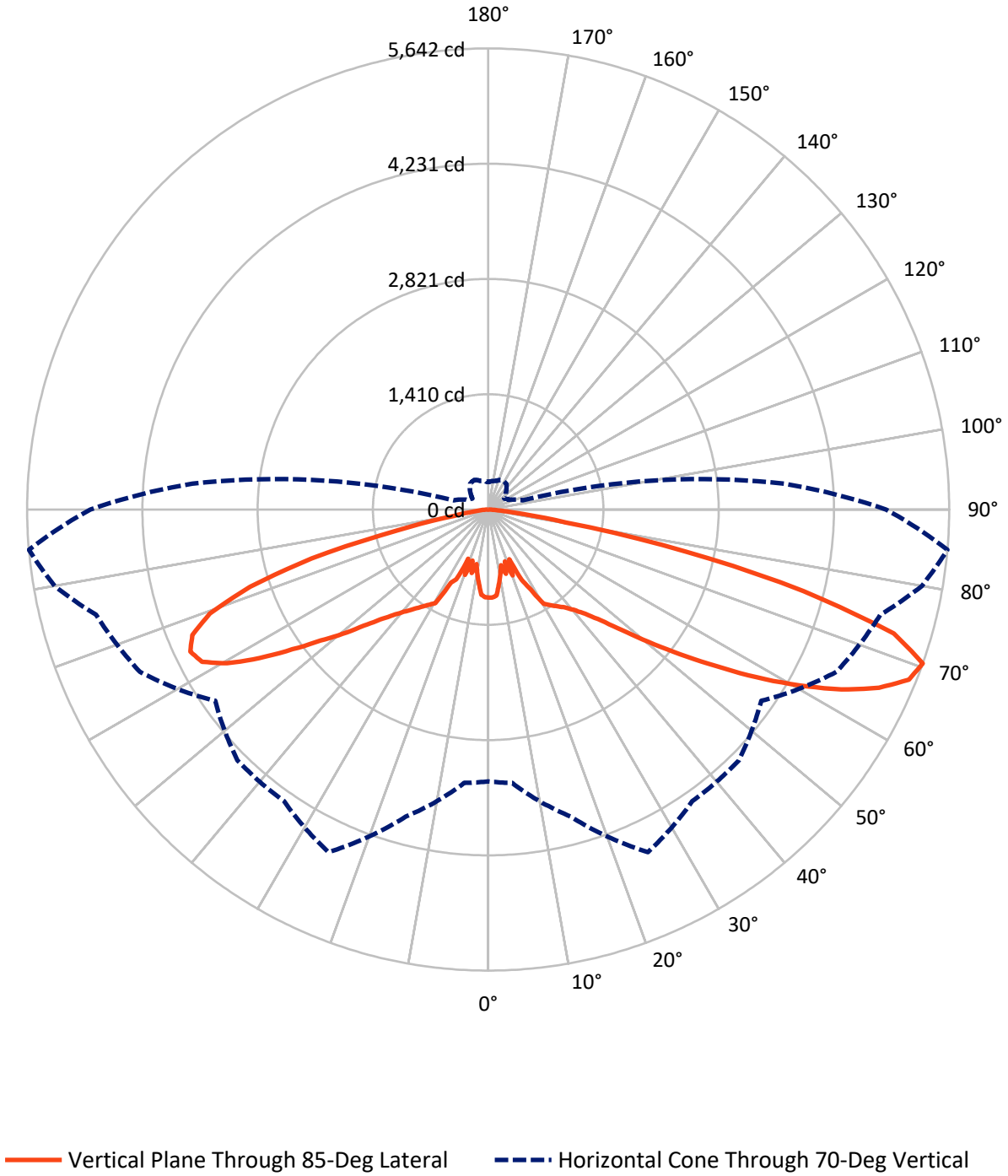
Luminous Intensity Polar Plot



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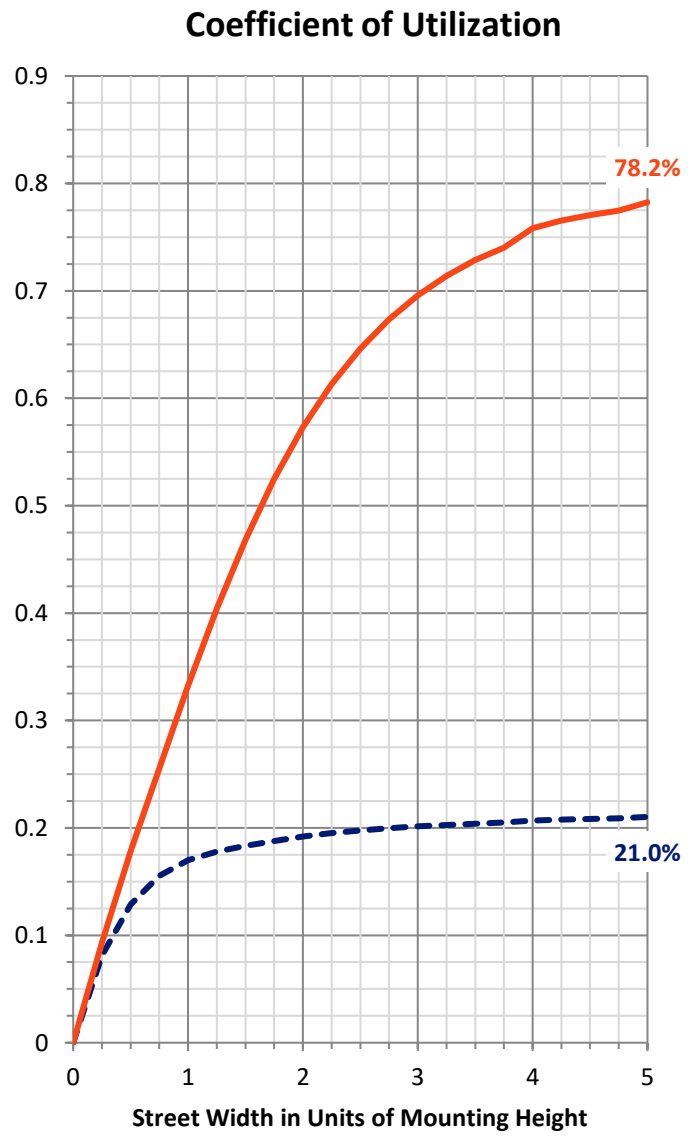
CATALOG NUMBER: SDL-PA1-90-730-U-T4W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1991.5	0.0	1991.5
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	7271.1	0.0	7271.1
	% Fixture	78.5	0.0	78.5
Total	Lumens	9262.6	0.0	9262.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.5	1.0
10°-20°	225.4	2.4
20°-30°	394.1	4.3
30°-40°	694.1	7.5
40°-50°	1047.2	11.3
50°-60°	1665.7	18.0
60°-70°	2442.6	26.4
70°-80°	2290.4	24.7
80°-90°	413.6	4.5
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°	9262.6	100.0
0°-180°	9262.6	100.0



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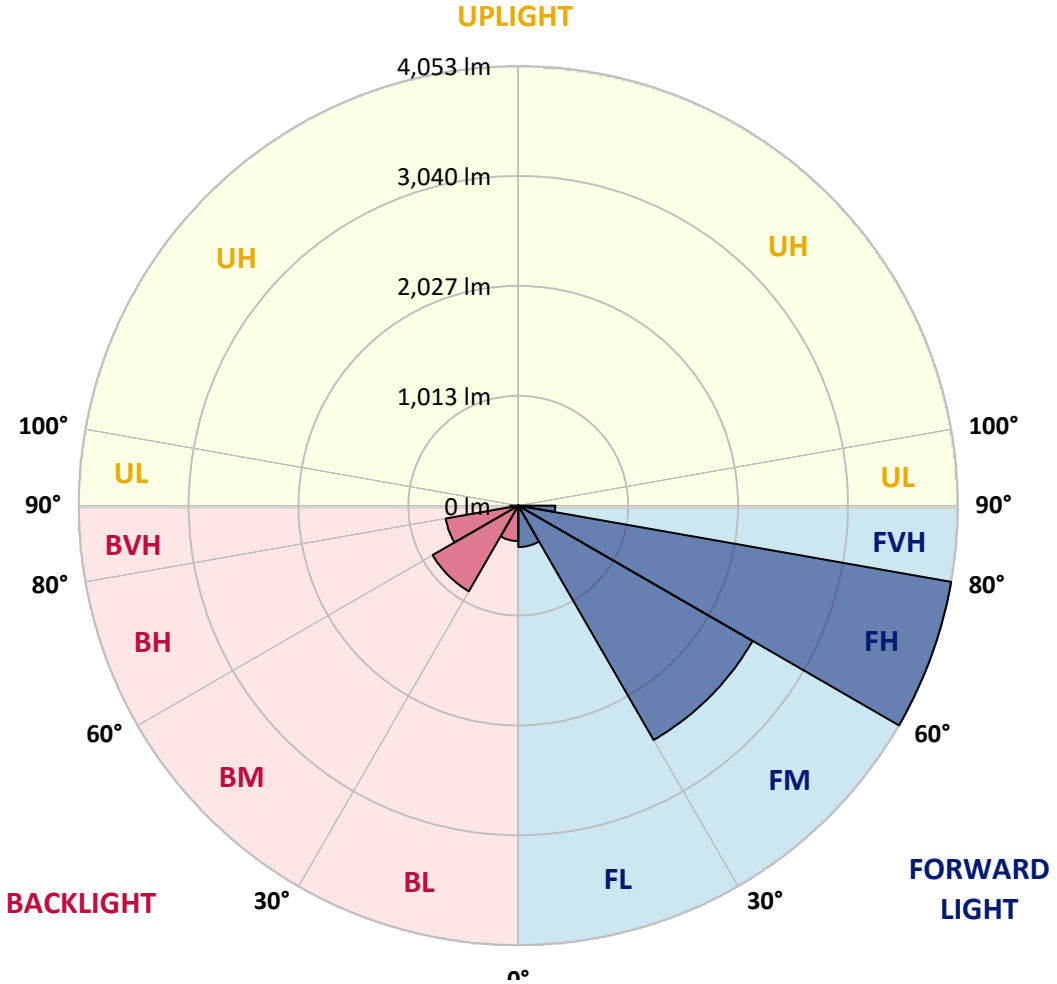
CATALOG NUMBER: SDL-PA1-90-730-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	381.9	4.1			
FM	(30°-60°)	2495.4	26.9			
FH	(60°-80°)	4053.2	43.8			G2/5000
FVH	(80°-90°)	340.5	3.7			G3/500
BL	(0°-30°)	327.0	3.5	B1/500		
BM	(30°-60°)	911.7	9.8	B1/1000		
BH	(60°-80°)	679.8	7.3	B2/1000		G2/1000
BVH	(80°-90°)	73.0	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1077.1	1077.1	1077.1	1077.1	1077.1	1077.1	1077.1	1077.1	1077.1	1077.1	1077.1
2.5°	977.9	1019.0	1039.5	1060.0	1066.8	1073.7	1073.7	1070.2	1070.2	1070.2	1077.1
5°	995.0	991.6	991.6	991.6	988.2	984.8	981.3	974.5	971.1	964.2	960.8
7.5°	913.0	981.3	984.8	988.2	988.2	984.8	991.6	998.4	991.6	981.3	967.7
10°	1083.9	1080.5	1073.7	1066.8	1056.6	1046.3	967.7	885.6	892.4	899.3	834.3
12.5°	940.3	1005.3	1032.6	1060.0	1063.4	1063.4	1008.7	950.6	875.3	800.1	769.3
15°	1148.9	1142.1	1128.4	1114.7	1022.4	926.6	871.9	817.2	817.2	817.2	724.9
17.5°	967.7	964.2	1025.8	1087.3	1053.1	1019.0	940.3	861.7	745.4	625.7	701.0
20°	1186.5	1186.5	1169.4	1152.3	995.0	834.3	844.6	851.4	854.8	854.8	820.6
22.5°	995.0	988.2	995.0	998.4	998.4	998.4	854.8	711.2	789.9	865.1	786.4
25°	1186.5	1189.9	1186.5	1183.1	1039.5	892.4	916.4	940.3	830.9	718.1	793.3
27.5°	1036.1	1032.6	1015.5	998.4	1001.9	1005.3	930.1	851.4	895.9	940.3	861.7
30°	1268.6	1272.0	1261.7	1248.0	1104.4	960.8	954.0	943.7	913.0	882.2	909.5
32.5°	1531.9	1531.9	1425.9	1319.9	1231.0	1138.6	1063.4	988.2	1019.0	1049.7	1015.5
35°	1672.0	1665.2	1631.0	1593.4	1429.3	1261.7	1159.1	1053.1	1063.4	1070.2	1070.2
37.5°	1921.7	1918.2	1870.4	1822.5	1600.2	1374.6	1241.2	1104.4	1125.0	1142.1	1118.1
40°	2232.8	2232.8	2195.2	2154.2	1870.4	1583.1	1395.1	1207.0	1203.6	1196.8	1169.4
42.5°	2533.7	2544.0	2520.0	2496.1	2164.4	1832.8	1586.6	1340.4	1309.6	1278.8	1251.5
45°	2732.0	2745.7	2766.2	2786.7	2458.5	2130.2	1843.0	1552.4	1494.2	1432.7	1384.8
47.5°	2933.8	2913.3	2940.6	2968.0	2687.6	2407.2	2092.6	1778.0	1682.3	1586.6	1535.3
50°	3121.8	3115.0	3125.3	3135.5	2906.4	2677.3	2352.5	2027.7	1911.4	1791.7	1733.6
52.5°	3368.0	3344.1	3330.4	3316.7	3121.8	2926.9	2619.2	2308.0	2171.3	2031.1	1962.7
55°	3604.0	3593.7	3573.2	3549.2	3381.7	3214.2	2889.3	2564.5	2420.9	2277.3	2198.6
57.5°	3846.7	3839.9	3836.5	3833.1	3686.0	3539.0	3207.3	2872.2	2708.1	2540.6	2475.6
60°	4075.8	4079.2	4106.6	4130.5	4017.7	3904.9	3569.8	3234.7	3026.1	2814.1	2749.1
62.5°	4212.6	4222.9	4291.2	4356.2	4294.7	4233.1	3887.8	3539.0	3320.2	3097.9	3053.4
65°	4038.2	4089.5	4287.8	4486.1	4486.1	4486.1	4171.6	3853.6	3662.1	3470.6	3433.0
67.5°	3648.4	3699.7	3983.5	4263.9	4410.9	4557.9	4352.8	4147.6	4017.7	3884.3	3836.5
70°	*3327.0*	*3357.8*	*3624.5*	*3887.8*	*4257.0*	*4626.3*	*4493.0*	*4356.2*	*4349.4*	*4339.1*	*4209.2*
72.5°	3056.9	3125.3	3344.1	3559.5	4069.0	4578.5	4575.0	4571.6	4711.8	4852.0	4602.4
75°	2444.8	2438.0	2643.1	2848.3	3422.7	3993.8	4315.2	4633.2	5036.7	5436.7	5053.7
77.5°	1090.8	1166.0	1360.9	1555.8	2072.1	2585.0	3203.9	3822.8	4711.8	5597.4	5207.6
80°	311.2	328.3	383.0	434.3	677.0	916.4	1566.0	2212.3	3330.4	4445.1	4181.8
82.5°	164.1	171.0	205.2	235.9	304.3	369.3	615.5	858.2	1819.1	2776.5	2537.1
85°	78.6	71.8	92.3	109.4	147.0	184.6	283.8	383.0	704.4	1025.8	885.6
87.5°	17.1	17.1	20.5	20.5	30.8	41.0	61.5	82.1	78.6	71.8	85.5
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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CATALOG NUMBER: SDL-PA1-90-730-U-T4W

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1077.1	1077.1	1077.1	1077.1	1077.1	1077.1	*1077.1*	1077.1	1077.1	1077.1	1077.1
2.5°	1080.5	1083.9	1087.3	1083.9	1080.5	1077.1	*1077.1*	1073.7	1073.7	1070.2	1063.4
5°	957.4	1005.3	1053.1	1056.6	1060.0	1060.0	*1056.6*	1053.1	1046.3	1042.9	1036.1
7.5°	954.0	936.9	919.8	923.2	926.6	930.1	*930.1*	919.8	916.4	889.0	861.7
10°	765.9	748.8	731.7	742.0	752.2	789.9	*810.4*	803.5	796.7	748.8	697.5
12.5°	738.6	731.7	724.9	673.6	622.3	666.8	*697.5*	694.1	683.9	639.4	595.0
15°	632.6	636.0	636.0	694.1	752.2	789.9	*817.2*	810.4	803.5	748.8	694.1
17.5°	772.8	735.2	694.1	683.9	673.6	690.7	*666.8*	629.2	653.1	646.3	639.4
20°	783.0	690.7	595.0	690.7	786.4	810.4	*861.7*	858.2	848.0	800.1	752.2
22.5°	707.8	762.5	813.8	762.5	711.2	677.0	*659.9*	653.1	649.7	663.3	673.6
25°	868.5	765.9	659.9	786.4	909.5	936.9	*950.6*	940.3	936.9	875.3	813.8
27.5°	779.6	834.3	889.0	930.1	971.1	1005.3	*1107.9*	1008.7	1005.3	947.2	885.6
30°	933.5	991.6	1049.7	1155.7	1261.7	1319.9	*1340.4*	1333.5	1316.4	1224.1	1131.8
32.5°	981.3	1097.6	1210.4	1258.3	1302.8	1364.3	*1395.1*	1391.7	1374.6	1265.1	1152.3
35°	1070.2	1155.7	1241.2	1306.2	1367.7	1425.9	*1453.2*	1463.5	1443.0	1306.2	1166.0
37.5°	1094.2	1203.6	1313.0	1381.4	1449.8	1494.2	*1518.2*	1548.9	1525.0	1360.9	1193.3
40°	1142.1	1272.0	1398.5	1466.9	1531.9	1572.9	*1613.9*	1651.5	1620.8	1422.4	1220.7
42.5°	1220.7	1354.0	1484.0	1562.6	1637.9	1696.0	*1743.9*	1795.1	1737.0	1480.6	1220.7
45°	1337.0	1460.0	1583.1	1689.1	1791.7	1863.5	*1931.9*	2003.7	1887.5	1555.8	1220.7
47.5°	1484.0	1603.7	1719.9	1887.5	2055.0	2120.0	*2202.0*	2270.4	2082.4	1651.5	1220.7
50°	1672.0	1805.4	1938.8	2161.0	2379.8	2441.4	*2544.0*	2595.3	2342.2	1798.6	1251.5
52.5°	1890.9	2037.9	2181.5	2441.4	2701.3	2803.8	*2940.6*	2974.8	2605.5	1945.6	1282.2
55°	2120.0	2318.3	2513.2	2800.4	3084.2	3183.4	*3378.3*	3405.6	2944.0	2126.8	1306.2
57.5°	2410.6	2643.1	2872.2	3152.6	3429.6	3569.8	*3874.1*	3884.3	3337.3	2349.1	1357.5
60°	2684.2	2974.8	3262.0	3528.7	3795.4	4014.3	*4366.5*	4369.9	3706.5	2516.6	1323.3
62.5°	3009.0	3354.3	3696.3	3925.4	4154.5	4424.6	*4848.6*	4787.0	3966.4	2537.1	1107.9
65°	3392.0	3747.6	4103.2	4298.1	4489.6	4797.3	*5255.5*	5019.6	4038.2	2420.9	800.1
67.5°	3785.2	4116.9	4448.5	4602.4	4756.3	5146.1	*5553.0*	5046.9	3932.2	2246.5	557.3
70°	*4079.2*	*4390.4*	*4701.6*	*4834.9*	*4968.3*	*5388.8*	*5641.9*	*4869.1*	*3634.7*	*2034.5*	*434.3*
72.5°	4349.4	4643.4	4934.1	5002.5	5067.4	5282.8	*5190.5*	4291.2	3063.7	1713.1	359.0
75°	4670.8	4858.8	5043.5	4920.4	4797.3	4506.7	*3983.5*	3128.7	2243.1	1275.4	307.7
77.5°	4817.8	4773.4	4725.5	4304.9	3884.3	3104.7	*2475.6*	1808.8	1138.6	701.0	263.3
80°	3918.5	3740.7	3559.5	2855.1	2150.7	1470.3	*964.2*	612.1	417.2	314.6	212.0
82.5°	2294.4	1880.6	1466.9	1077.1	687.3	482.1	*314.6*	249.6	194.9	184.6	171.0
85°	742.0	656.5	571.0	451.3	331.7	205.2	*119.7*	109.4	102.6	112.8	119.7
87.5°	99.2	99.2	95.7	71.8	44.5	23.9	*13.7*	10.3	10.3	13.7	13.7
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°	1077.1	1077.1	1077.1	1077.1	1077.1	1077.1	1077.1	1077.1	1077.1	1077.1	1077.1
2.5°	1063.4	1060.0	1056.6	1053.1	1049.7	1042.9	1015.5	988.2	977.9	964.2	954.0
5°	1001.9	967.7	943.7	919.8	909.5	895.9	899.3	902.7	906.1	906.1	906.1
7.5°	868.5	875.3	878.8	878.8	889.0	895.9	902.7	906.1	892.4	878.8	861.7
10°	690.7	680.4	694.1	704.4	721.5	735.2	779.6	824.1	865.1	906.1	923.2
12.5°	629.2	663.3	636.0	608.6	663.3	714.6	776.2	837.7	875.3	909.5	878.8
15°	639.4	581.3	588.1	591.5	659.9	724.9	687.3	649.7	755.7	858.2	889.0
17.5°	629.2	618.9	656.5	690.7	625.7	560.8	653.1	742.0	789.9	837.7	824.1
20°	680.4	605.2	605.2	605.2	663.3	721.5	677.0	632.6	683.9	735.2	820.6
22.5°	704.4	731.7	677.0	618.9	656.5	694.1	694.1	690.7	748.8	803.5	789.9
25°	711.2	608.6	656.5	701.0	677.0	649.7	680.4	707.8	724.9	742.0	817.2
27.5°	813.8	742.0	687.3	629.2	673.6	718.1	707.8	697.5	711.2	724.9	742.0
30°	964.2	796.7	735.2	670.2	646.3	618.9	649.7	677.0	728.3	779.6	848.0
32.5°	1008.7	861.7	762.5	659.9	656.5	649.7	659.9	666.8	724.9	779.6	875.3
35°	1001.9	834.3	738.6	639.4	618.9	598.4	615.5	629.2	714.6	800.1	892.4
37.5°	995.0	793.3	694.1	595.0	581.3	564.2	581.3	598.4	663.3	728.3	813.8
40°	984.8	745.4	649.7	550.5	533.4	516.3	533.4	547.1	598.4	649.7	718.1
42.5°	960.8	697.5	601.8	502.6	489.0	471.9	485.5	499.2	543.7	588.1	629.2
45°	933.5	642.8	550.5	458.2	444.5	430.8	441.1	447.9	489.0	526.6	547.1
47.5°	902.7	584.7	499.2	413.7	400.1	386.4	396.6	403.5	434.3	465.0	471.9
50°	895.9	536.8	458.2	376.1	365.9	352.2	359.0	365.9	389.8	410.3	410.3
52.5°	882.2	478.7	413.7	345.4	338.5	328.3	331.7	335.1	352.2	369.3	365.9
55°	871.9	437.7	379.5	321.4	314.6	304.3	307.7	311.2	328.3	341.9	338.5
57.5°	882.2	403.5	352.2	297.5	290.6	283.8	290.6	297.5	314.6	331.7	331.7
60°	848.0	369.3	321.4	273.5	270.1	263.3	280.4	294.1	321.4	345.4	352.2
62.5°	724.9	338.5	297.5	256.4	259.9	259.9	290.6	318.0	355.6	389.8	396.6
65°	557.3	314.6	280.4	242.8	259.9	277.0	318.0	359.0	393.2	427.4	417.2
67.5°	427.4	297.5	270.1	239.4	277.0	311.2	348.8	386.4	403.5	417.2	400.1
70°	*359.0*	*280.4*	*259.9*	*235.9*	*273.5*	*311.2*	*348.8*	*386.4*	*393.2*	*400.1*	*383.0*
72.5°	314.6	266.7	246.2	225.7	256.4	287.2	331.7	372.7	379.5	383.0	365.9
75°	280.4	249.6	225.7	201.7	232.5	259.9	304.3	348.8	355.6	359.0	345.4
77.5°	246.2	229.1	201.7	174.4	205.2	235.9	277.0	318.0	328.3	338.5	321.4
80°	205.2	194.9	174.4	153.9	188.1	218.8	256.4	294.1	304.3	314.6	297.5
82.5°	164.1	157.3	143.6	129.9	164.1	198.3	235.9	270.1	280.4	287.2	266.7
85°	119.7	119.7	112.8	106.0	140.2	171.0	194.9	218.8	215.4	212.0	198.3
87.5°	17.1	17.1	23.9	30.8	41.0	47.9	61.5	71.8	75.2	75.2	58.1
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):

	165°	170°	175°	180°
0°	1077.1	1077.1	1077.1	1077.1
2.5°	943.7	943.7	940.3	947.2
5°	906.1	909.5	909.5	913.0
7.5°	844.6	827.5	807.0	810.4
10°	940.3	943.7	947.2	947.2
12.5°	844.6	830.9	813.8	817.2
15°	916.4	926.6	936.9	940.3
17.5°	807.0	803.5	800.1	796.7
20°	902.7	919.8	936.9	936.9
22.5°	776.2	776.2	776.2	779.6
25°	892.4	913.0	930.1	930.1
27.5°	755.7	803.5	851.4	889.0
30°	913.0	923.2	933.5	936.9
32.5°	967.7	1019.0	1066.8	1077.1
35°	981.3	1005.3	1025.8	1036.1
37.5°	899.3	919.8	940.3	954.0
40°	783.0	800.1	817.2	827.5
42.5°	666.8	670.2	673.6	690.7
45°	567.6	550.5	533.4	530.0
47.5°	475.3	451.3	427.4	424.0
50°	406.9	386.4	365.9	365.9
52.5°	359.0	345.4	331.7	331.7
55°	335.1	328.3	318.0	318.0
57.5°	331.7	328.3	324.8	324.8
60°	355.6	359.0	359.0	359.0
62.5°	400.1	403.5	403.5	403.5
65°	403.5	396.6	389.8	389.8
67.5°	383.0	372.7	362.4	355.6
70°	*362.4*	*355.6*	*345.4*	*335.1*
72.5°	345.4	338.5	328.3	318.0
75°	328.3	318.0	304.3	297.5
77.5°	304.3	297.5	287.2	280.4
80°	277.0	270.1	259.9	246.2
82.5°	246.2	249.6	249.6	215.4
85°	181.2	171.0	157.3	129.9
87.5°	37.6	34.2	27.4	23.9
90°	0.0	0.0	0.0	0.0

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