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: P560049

Luminaire Tested: **SDL-PA1-20-750-U-SL3**

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:	P560049
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-16)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-20-750-U-SL3
Description:	Springdale
	(1) 70 CRI, 5000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	2741 lumens
Efficiency:	N/A
Efficacy:	130.5 lumens/watt
Luminous Opening:	Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	21
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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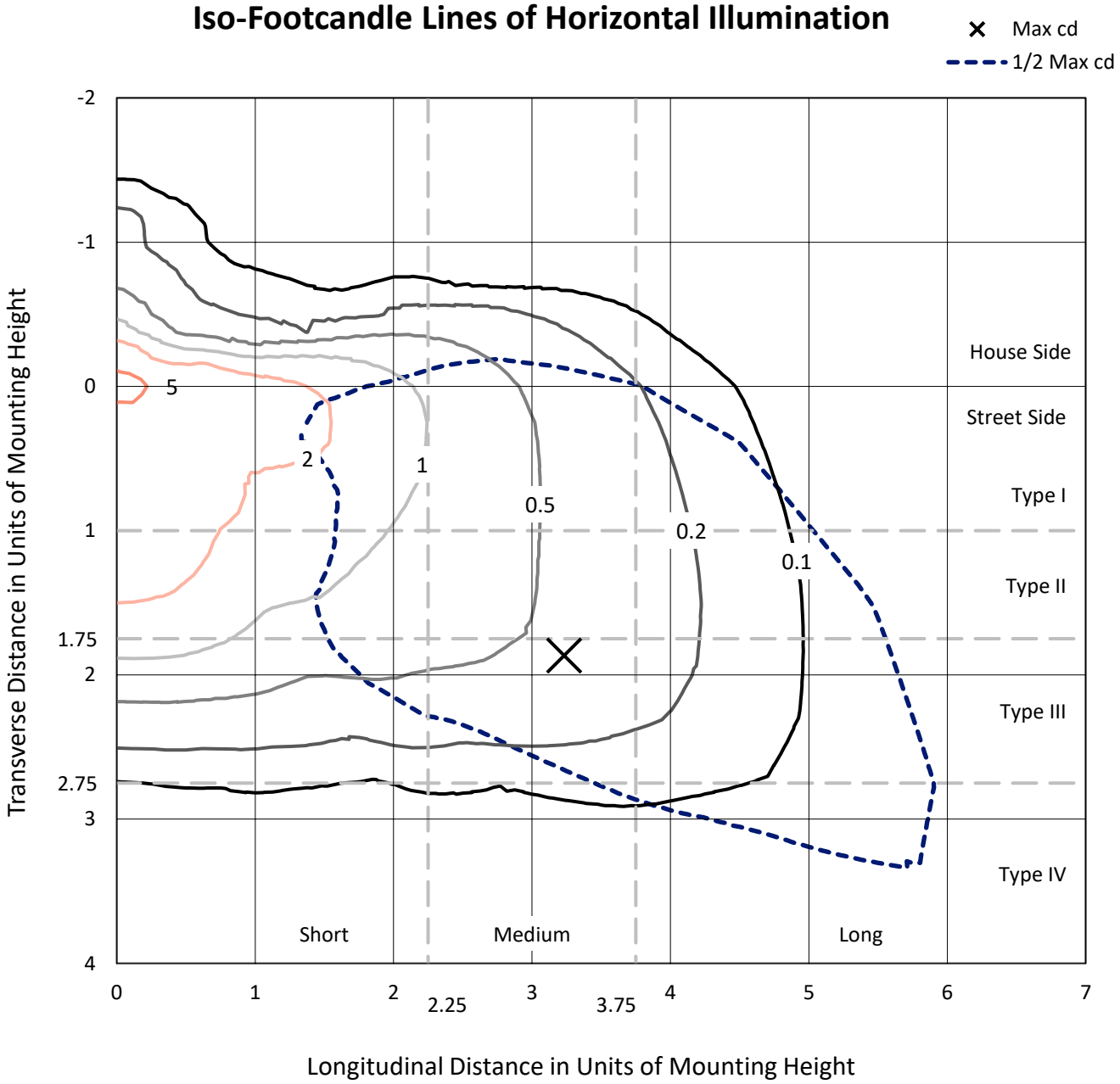
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
Type III - Medium - N/A

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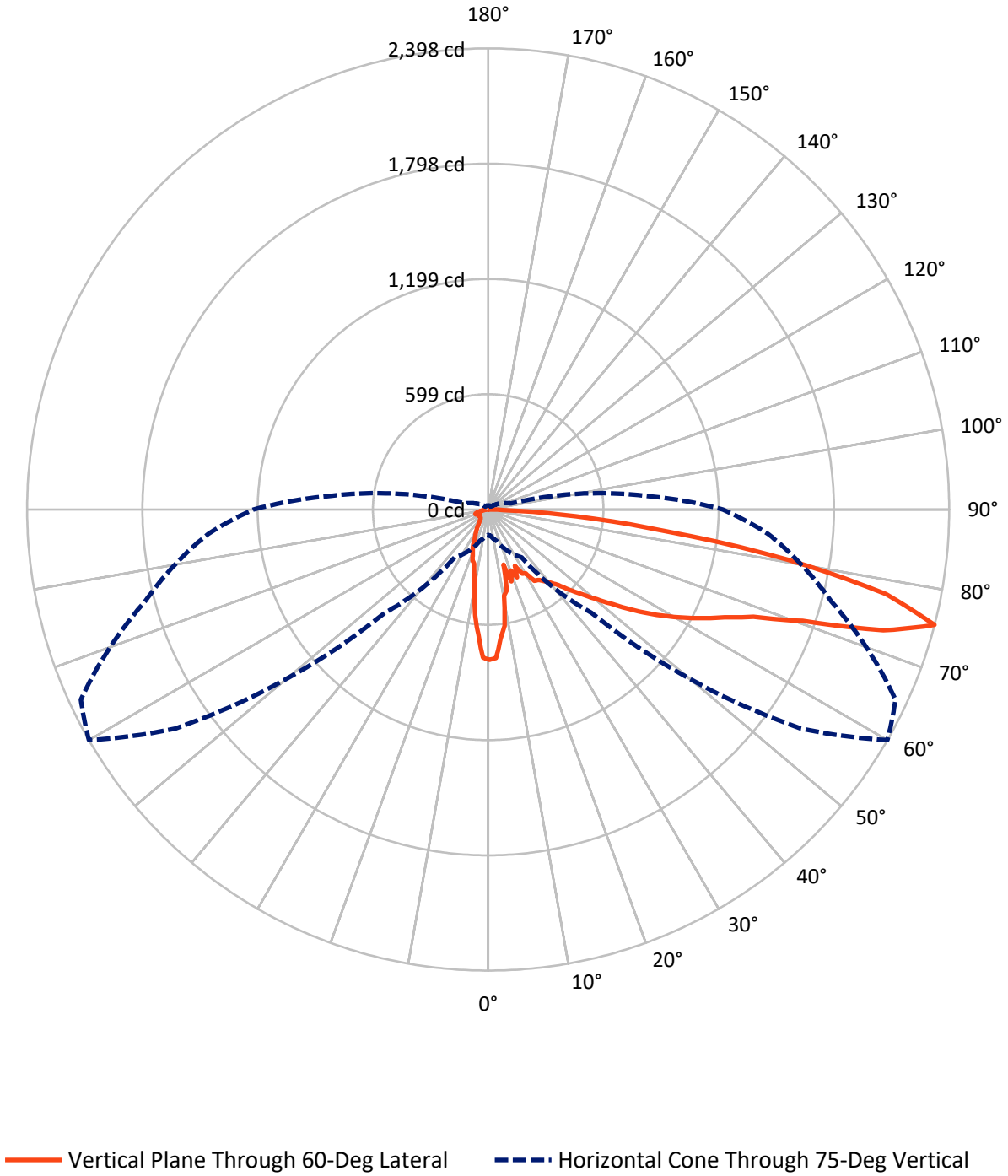
Luminous Intensity Polar Plot



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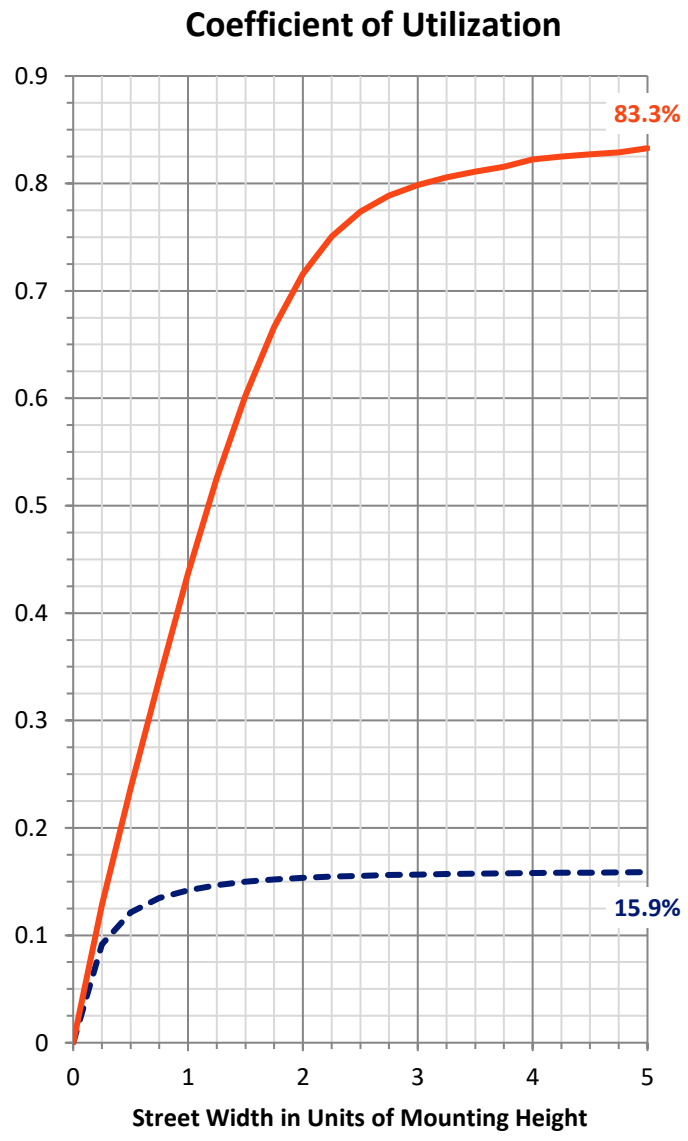
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	440.6	0.0	440.6
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	2300.4	0.0	2300.4
	% Fixture	83.9	0.0	83.9
Total	Lumens	2741.0	0.0	2741.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.0	2.1
10°-20°	102.9	3.8
20°-30°	134.8	4.9
30°-40°	222.4	8.1
40°-50°	347.4	12.7
50°-60°	528.8	19.3
60°-70°	655.3	23.9
70°-80°	578.9	21.1
80°-90°	113.5	4.1
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°	2741.0	100.0
0°-180°	2741.0	100.0



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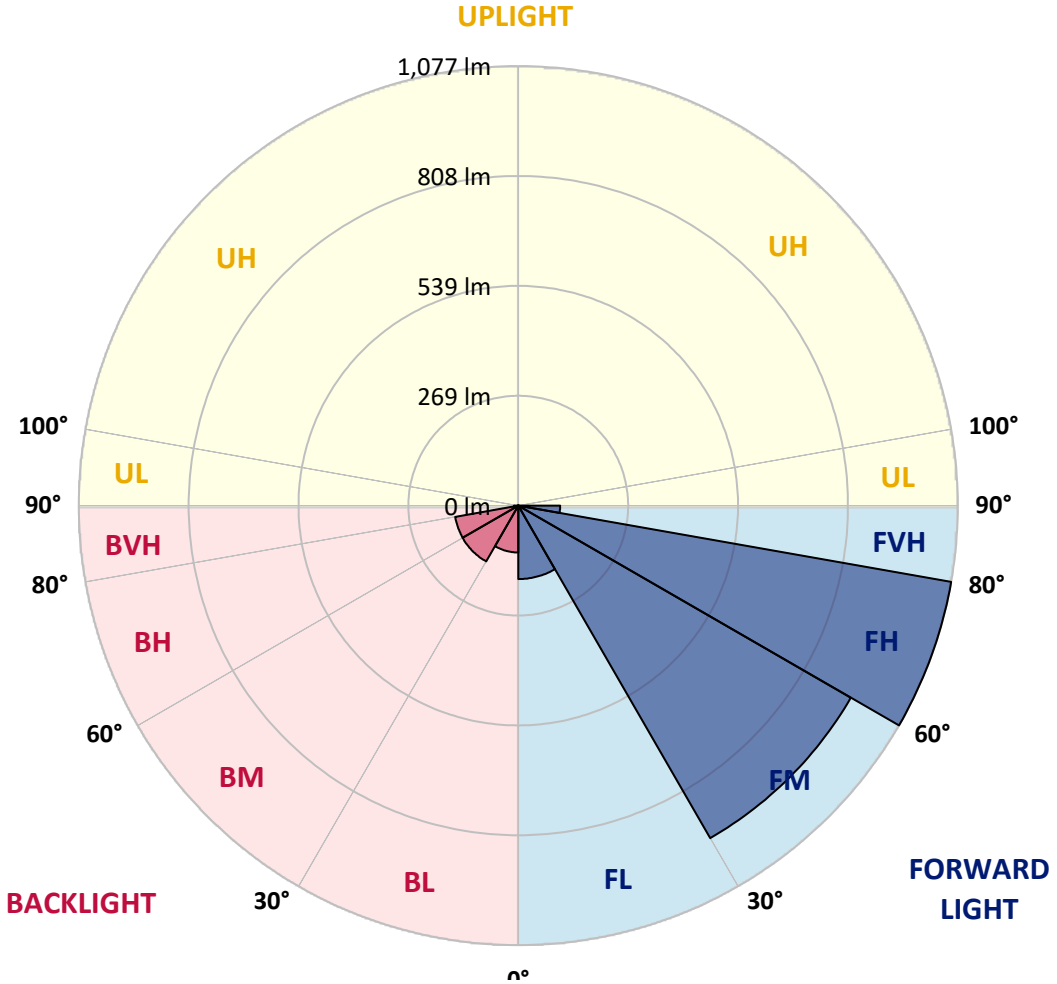
CATALOG NUMBER: SDL-PA1-20-750-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	180.0	6.6			
FM	(30°-60°)	940.8	34.3			
FH	(60°-80°)	1077.0	39.3			G1/1800
FVH	(80°-90°)	102.7	3.7			G2/225
BL	(0°-30°)	114.8	4.2	B1/500		
BM	(30°-60°)	157.9	5.8	B0/220		
BH	(60°-80°)	157.1	5.7	B1/500		G1/500
BVH	(80°-90°)	10.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8
2.5°	649.4	722.6	705.6	688.5	714.6	739.7	747.7	754.7	758.8	762.8	766.8
5°	603.2	604.2	605.2	606.2	609.2	611.2	615.2	619.3	623.3	626.3	630.3
7.5°	465.7	481.8	507.8	533.9	550.0	565.1	574.1	582.1	588.1	594.2	600.2
10°	517.9	520.9	521.9	521.9	526.9	531.9	493.8	454.7	473.7	492.8	471.7
12.5°	406.5	417.5	450.6	482.8	492.8	501.8	483.8	465.7	437.6	408.5	406.5
15°	466.7	469.7	470.7	470.7	439.6	408.5	387.4	365.3	382.4	398.4	361.3
17.5°	361.3	364.3	390.4	416.5	421.5	426.6	404.5	382.4	333.2	283.0	330.2
20°	429.6	431.6	431.6	431.6	379.4	327.2	331.2	334.2	350.3	366.3	353.3
22.5°	346.3	346.3	346.3	346.3	362.3	377.4	345.3	313.1	331.2	349.3	333.2
25°	435.6	438.6	431.6	423.5	375.4	327.2	342.2	357.3	330.2	303.1	327.2
27.5°	397.4	394.4	380.4	365.3	372.4	379.4	346.3	313.1	334.2	355.3	345.3
30°	527.9	518.9	503.8	488.8	431.6	374.4	365.3	356.3	338.2	319.2	340.2
32.5°	701.6	678.5	608.2	538.0	502.8	467.7	422.5	377.4	373.4	368.3	374.4
35°	747.7	732.7	703.6	673.4	613.2	552.0	494.8	436.6	417.5	397.4	401.5
37.5°	756.8	751.7	745.7	738.7	677.5	616.2	554.0	491.8	471.7	450.6	435.6
40°	763.8	767.8	778.8	788.9	727.6	665.4	609.2	552.0	530.9	508.9	482.8
42.5°	795.9	806.9	821.0	834.0	777.8	721.6	672.4	623.3	596.2	569.1	545.0
45°	870.2	876.2	891.2	905.3	852.1	797.9	741.7	684.5	661.4	638.3	614.2
47.5°	978.6	988.6	987.6	986.6	927.4	867.2	803.9	739.7	724.6	708.6	685.5
50°	1115.1	1108.0	1089.0	1069.9	1005.7	940.4	866.1	790.9	783.8	775.8	756.8
52.5°	1183.3	1178.3	1152.2	1125.1	1059.9	994.6	914.3	833.0	842.1	851.1	833.0
55°	1187.3	1184.3	1165.2	1146.2	1082.9	1019.7	948.4	877.2	899.3	921.3	914.3
57.5°	1158.2	1159.2	1153.2	1146.2	1090.0	1033.8	974.5	915.3	953.5	990.6	997.6
60°	1083.9	1099.0	1109.0	1119.1	1083.9	1048.8	997.6	946.4	1004.7	1062.9	1081.9
62.5°	946.4	959.5	995.6	1030.7	1037.8	1043.8	1009.7	974.5	1052.8	1130.1	1161.2
65°	733.7	751.7	805.9	860.1	916.3	972.5	980.6	988.6	1121.1	1253.6	1279.7
67.5°	457.7	467.7	524.9	581.1	694.5	806.9	871.2	935.4	1164.2	1392.1	1433.2
70°	241.9	256.9	285.0	312.1	409.5	506.8	637.3	767.8	1099.0	1430.2	1598.8
72.5°	183.7	189.7	204.7	219.8	253.9	288.0	370.3	452.6	860.1	1266.6	1655.0
75°	*132.5*	*137.5*	*153.6*	*168.6*	*202.7*	*235.9*	*270.0*	*303.1*	*530.9*	*758.8*	*1372.0*
77.5°	77.3	79.3	87.3	94.3	147.5	200.7	237.9	274.0	329.2	383.4	979.6
80°	53.2	54.2	57.2	60.2	83.3	106.4	177.6	248.9	274.0	298.1	649.4
82.5°	35.1	40.1	42.2	44.2	52.2	60.2	104.4	147.5	216.8	285.0	443.6
85°	18.1	20.1	24.1	27.1	31.1	34.1	47.2	59.2	179.7	299.1	319.2
87.5°	2.0	3.0	4.0	4.0	5.0	6.0	9.0	12.0	54.2	96.4	82.3
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°	781.8	*781.8*	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8
2.5°	770.8	*772.8*	771.8	773.8	774.8	775.8	776.8	776.8	775.8	773.8	771.8
5°	634.3	*674.5*	742.7	749.7	756.8	758.8	760.8	761.8	759.8	756.8	753.7
7.5°	605.2	*611.2*	550.0	599.2	647.4	651.4	654.4	652.4	653.4	626.3	598.2
10°	450.6	*455.7*	457.7	472.7	486.8	519.9	553.0	548.0	544.0	495.8	446.6
12.5°	404.5	*430.6*	436.6	411.5	386.4	420.5	454.7	450.6	443.6	399.5	355.3
15°	324.2	*297.1*	355.3	409.5	462.7	494.8	525.9	516.9	508.9	452.6	395.4
17.5°	376.4	*392.4*	373.4	381.4	389.4	413.5	436.6	422.5	417.5	378.4	338.2
20°	340.2	*339.2*	326.2	373.4	420.5	467.7	513.9	499.8	475.7	399.5	322.2
22.5°	317.2	*382.4*	410.5	404.5	397.4	379.4	360.3	348.3	330.2	313.1	295.1
25°	350.3	*323.2*	345.3	417.5	488.8	501.8	514.9	484.8	445.6	368.3	291.1
27.5°	335.2	*377.4*	405.5	453.6	500.8	546.0	591.1	551.0	499.8	403.5	306.1
30°	361.3	*384.4*	462.7	553.0	643.3	659.4	674.5	619.3	551.0	453.6	356.3
32.5°	380.4	*441.6*	510.9	581.1	650.4	662.4	674.5	612.2	533.9	426.6	319.2
35°	404.5	*449.6*	512.9	595.2	677.5	680.5	682.5	610.2	521.9	400.5	278.0
37.5°	420.5	*471.7*	540.0	627.3	714.6	708.6	701.6	619.3	517.9	382.4	246.9
40°	456.7	*500.8*	574.1	663.4	752.7	742.7	732.7	638.3	518.9	364.3	208.8
42.5°	519.9	*537.0*	616.2	711.6	806.9	795.9	783.8	671.4	530.9	354.3	176.6
45°	589.1	*597.2*	665.4	773.8	882.2	868.2	854.1	722.6	553.0	349.3	145.5
47.5°	661.4	*659.4*	722.6	854.1	984.6	954.5	924.4	782.8	594.2	359.3	124.5
50°	736.7	*733.7*	794.9	936.4	1077.9	1045.8	1013.7	855.1	641.3	377.4	112.4
52.5°	814.0	*821.0*	866.1	1013.7	1160.2	1131.1	1101.0	933.4	687.5	397.4	107.4
55°	906.3	*928.4*	946.4	1094.0	1241.5	1212.4	1182.3	1013.7	751.7	428.6	105.4
57.5°	1003.6	*1032.8*	1040.8	1175.3	1309.8	1290.7	1270.6	1090.0	817.0	464.7	111.4
60°	1101.0	*1139.1*	1168.2	1276.6	1384.0	1362.0	1339.9	1167.2	878.2	504.8	131.5
62.5°	1191.3	*1244.5*	1291.7	1371.0	1449.3	1423.2	1397.1	1234.5	947.4	560.0	171.6
65°	1304.7	*1351.9*	1403.1	1455.3	1506.5	1481.4	1456.3	1318.8	1039.8	629.3	217.8
67.5°	1474.4	*1488.4*	1514.5	1546.6	1577.7	1562.7	1546.6	1422.2	1120.1	669.4	217.8
70°	1766.4	*1735.3*	1696.2	1695.2	1693.2	1669.1	1644.0	1480.4	1125.1	653.4	181.7
72.5°	2042.4	*2148.8*	2024.4	1934.0	1843.7	1737.3	1629.9	1402.1	993.6	569.1	144.5
75°	*1984.2*	*2397.7*	*2337.5*	*2092.6*	*1847.7*	*1655.0*	*1462.3*	*1221.4*	*818.0*	*470.7*	*123.4*
77.5°	1574.7	*2115.7*	2172.9	1948.1	1722.3	1461.3	1199.4	944.4	567.1	335.2	103.4
80°	999.6	*1581.8*	1591.8	1383.0	1173.3	893.2	613.2	411.5	273.0	177.6	82.3
82.5°	602.2	*936.4*	815.0	584.1	353.3	244.9	135.5	130.5	100.4	74.3	48.2
85°	339.2	*458.7*	329.2	215.8	102.4	73.3	43.2	46.2	44.2	36.1	27.1
87.5°	67.2	*79.3*	54.2	31.1	8.0	8.0	7.0	7.0	5.0	5.0	4.0
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°	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8	781.8
2.5°	771.8	771.8	769.8	767.8	766.8	765.8	735.7	705.6	685.5	664.4	659.4
5°	716.6	679.5	651.4	623.3	617.2	611.2	610.2	609.2	606.2	602.2	601.2
7.5°	566.1	532.9	556.0	578.1	574.1	569.1	566.1	562.0	555.0	548.0	512.9
10°	435.6	424.5	424.5	423.5	415.5	407.5	425.5	443.6	463.7	483.8	481.8
12.5°	371.4	386.4	347.3	307.1	329.2	350.3	370.3	389.4	399.5	409.5	378.4
15°	350.3	304.1	291.1	278.0	288.0	298.1	269.0	238.9	262.0	285.0	290.1
17.5°	314.1	290.1	277.0	263.0	224.8	185.7	198.7	211.8	210.8	209.8	204.7
20°	293.1	263.0	239.9	215.8	197.7	179.7	160.6	140.5	131.5	121.4	145.5
22.5°	279.0	263.0	214.8	166.6	152.6	138.5	123.4	107.4	113.4	118.4	122.4
25°	243.9	195.7	168.6	141.5	119.4	96.4	97.4	98.4	93.3	88.3	111.4
27.5°	246.9	186.7	144.5	102.4	94.3	85.3	80.3	74.3	82.3	89.3	91.3
30°	258.9	161.6	122.4	83.3	74.3	65.2	68.2	70.3	70.3	70.3	80.3
32.5°	229.8	140.5	104.4	67.2	62.2	56.2	57.2	57.2	62.2	67.2	72.3
35°	194.7	110.4	85.3	59.2	54.2	49.2	51.2	53.2	58.2	63.2	70.3
37.5°	167.6	87.3	70.3	53.2	50.2	47.2	48.2	49.2	54.2	58.2	64.2
40°	141.5	73.3	62.2	51.2	48.2	45.2	46.2	46.2	50.2	54.2	58.2
42.5°	122.4	67.2	59.2	50.2	47.2	43.2	44.2	44.2	47.2	50.2	53.2
45°	105.4	64.2	57.2	49.2	46.2	42.2	42.2	41.1	44.2	46.2	48.2
47.5°	94.3	63.2	56.2	49.2	45.2	40.1	39.1	38.1	41.1	43.2	46.2
50°	88.3	63.2	56.2	48.2	43.2	38.1	37.1	36.1	40.1	43.2	48.2
52.5°	86.3	64.2	56.2	48.2	42.2	36.1	36.1	36.1	43.2	50.2	52.2
55°	86.3	66.2	57.2	47.2	41.1	35.1	37.1	39.1	41.1	43.2	43.2
57.5°	88.3	65.2	55.2	45.2	41.1	36.1	35.1	34.1	35.1	36.1	36.1
60°	97.4	63.2	53.2	43.2	38.1	33.1	32.1	31.1	33.1	34.1	34.1
62.5°	117.4	62.2	53.2	43.2	37.1	31.1	31.1	30.1	31.1	32.1	33.1
65°	143.5	69.3	56.2	43.2	37.1	31.1	29.1	27.1	29.1	30.1	30.1
67.5°	149.5	81.3	65.2	48.2	39.1	30.1	28.1	26.1	28.1	29.1	29.1
70°	135.5	89.3	70.3	51.2	41.1	30.1	28.1	25.1	26.1	27.1	26.1
72.5°	116.4	87.3	69.3	50.2	40.1	29.1	27.1	24.1	25.1	25.1	24.1
75°	*99.4*	*75.3*	*59.2*	*42.2*	*34.1*	*25.1*	*23.1*	*21.1*	*22.1*	*22.1*	*22.1*
77.5°	83.3	62.2	48.2	33.1	27.1	20.1	19.1	18.1	19.1	20.1	19.1
80°	65.2	47.2	36.1	24.1	20.1	15.1	16.1	16.1	17.1	17.1	17.1
82.5°	38.1	28.1	23.1	17.1	14.1	11.0	12.0	13.0	14.1	14.1	14.1
85°	23.1	18.1	15.1	12.0	10.0	7.0	9.0	10.0	10.0	10.0	9.0
87.5°	4.0	4.0	4.0	4.0	3.0	2.0	4.0	5.0	5.0	5.0	4.0
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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CATALOG NUMBER: SDL-PA1-20-750-U-SL3

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	781.8	781.8	781.8	781.8
2.5°	653.4	653.4	652.4	652.4
5°	600.2	598.2	596.2	598.2
7.5°	477.7	463.7	449.6	453.6
10°	478.7	477.7	476.7	475.7
12.5°	346.3	335.2	324.2	317.2
15°	294.1	291.1	287.0	287.0
17.5°	198.7	189.7	180.7	174.6
20°	169.6	174.6	178.6	180.7
22.5°	126.5	130.5	134.5	136.5
25°	133.5	143.5	152.6	153.6
27.5°	92.3	97.4	101.4	99.4
30°	90.3	93.3	96.4	96.4
32.5°	77.3	85.3	93.3	94.3
35°	77.3	81.3	85.3	86.3
37.5°	69.3	72.3	74.3	75.3
40°	62.2	64.2	65.2	65.2
42.5°	55.2	60.2	64.2	64.2
45°	49.2	62.2	75.3	79.3
47.5°	48.2	67.2	86.3	90.3
50°	52.2	70.3	87.3	89.3
52.5°	53.2	63.2	72.3	72.3
55°	42.2	47.2	51.2	50.2
57.5°	36.1	40.1	43.2	43.2
60°	34.1	39.1	43.2	44.2
62.5°	33.1	35.1	37.1	39.1
65°	30.1	30.1	30.1	30.1
67.5°	28.1	28.1	27.1	27.1
70°	25.1	25.1	25.1	25.1
72.5°	23.1	23.1	23.1	22.1
75°	*21.1*	*21.1*	*20.1*	*20.1*
77.5°	18.1	18.1	18.1	18.1
80°	16.1	16.1	15.1	15.1
82.5°	13.0	13.0	12.0	11.0
85°	8.0	8.0	7.0	6.0
87.5°	3.0	3.0	2.0	1.0
90°	0.0	0.0	0.0	0.0

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(END OF REPORT)