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: P560936

Luminaire Tested: **SDL-PA1-70-750-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560936
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-6)
Test Lab:	INNOVATION CENTER
Issue Date:	7/26/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	SDL-PA1-70-750-U-T2U-HSS
Description:	Springdale
	(1) 70 CRI, 5000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS AND HOUSE SIDE SHIELD
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6140.9 lumens
Efficiency:	N/A
Efficacy:	85.1 lumens/watt
Luminous Opening:	Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification:	Type II - Short
BUG Rating:	B1 - U0 - G2

Input Watts (W):	72.2
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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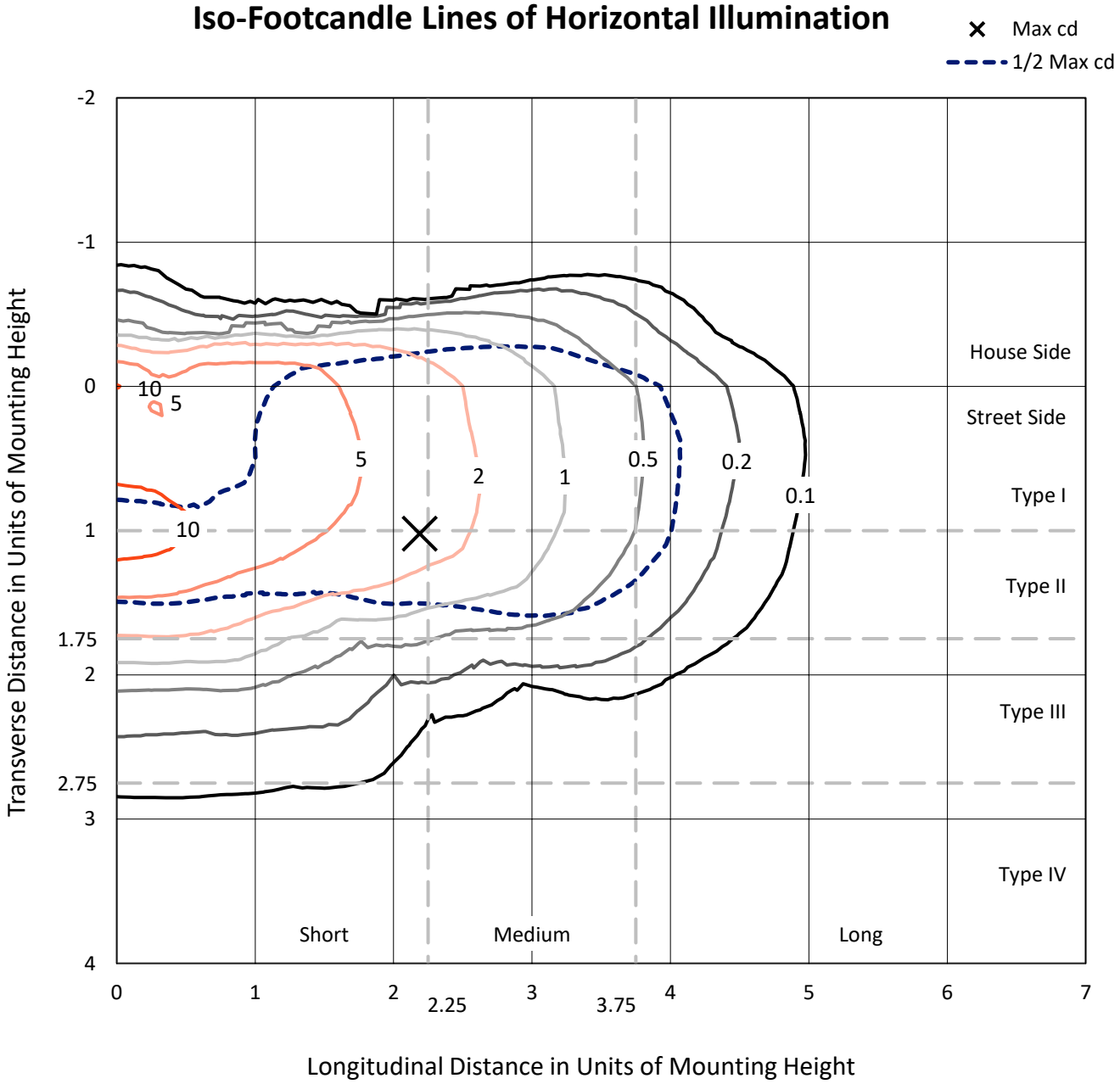
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 13.6 fc
Type II - Short - N/A

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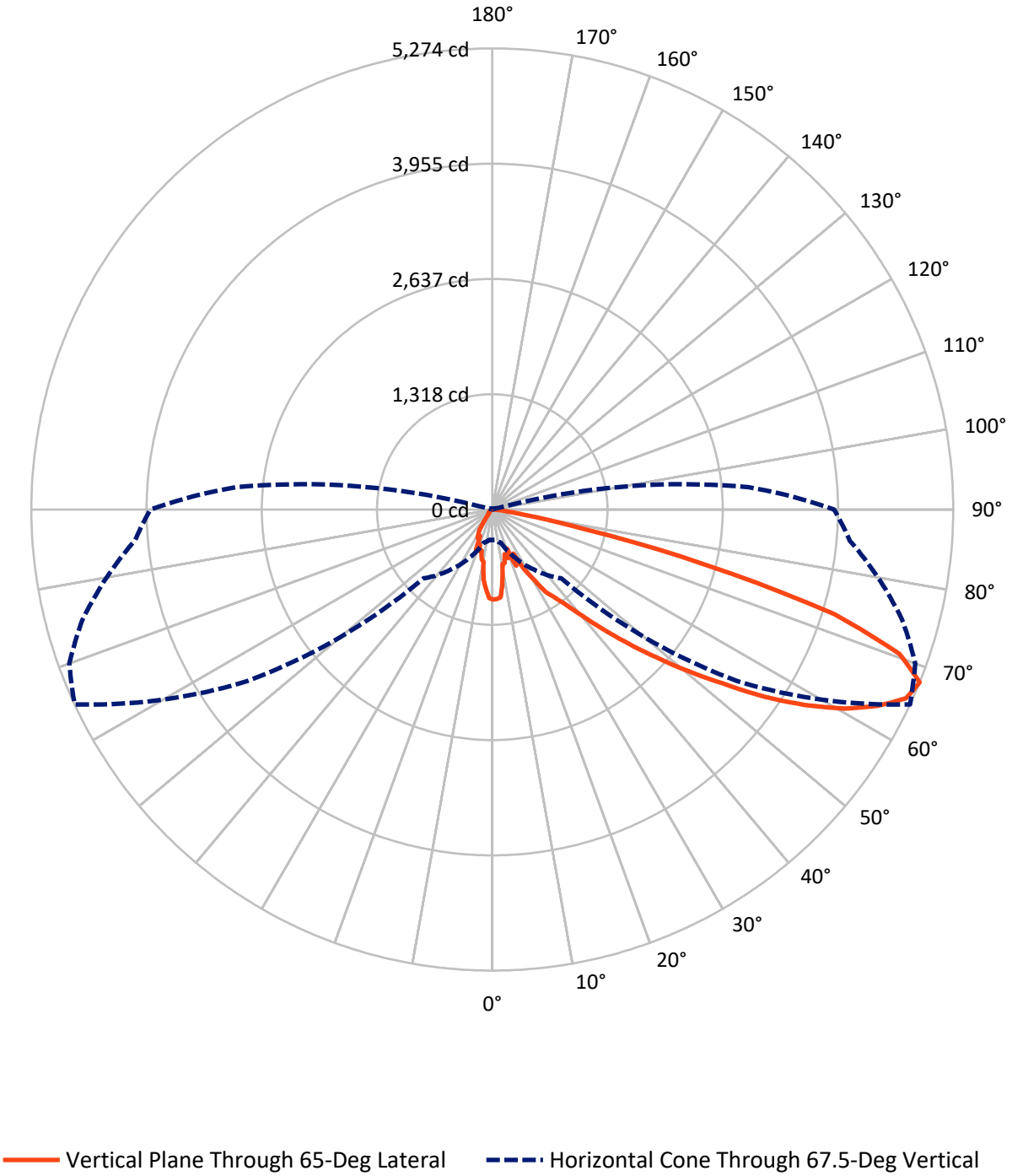
Luminous Intensity Polar Plot



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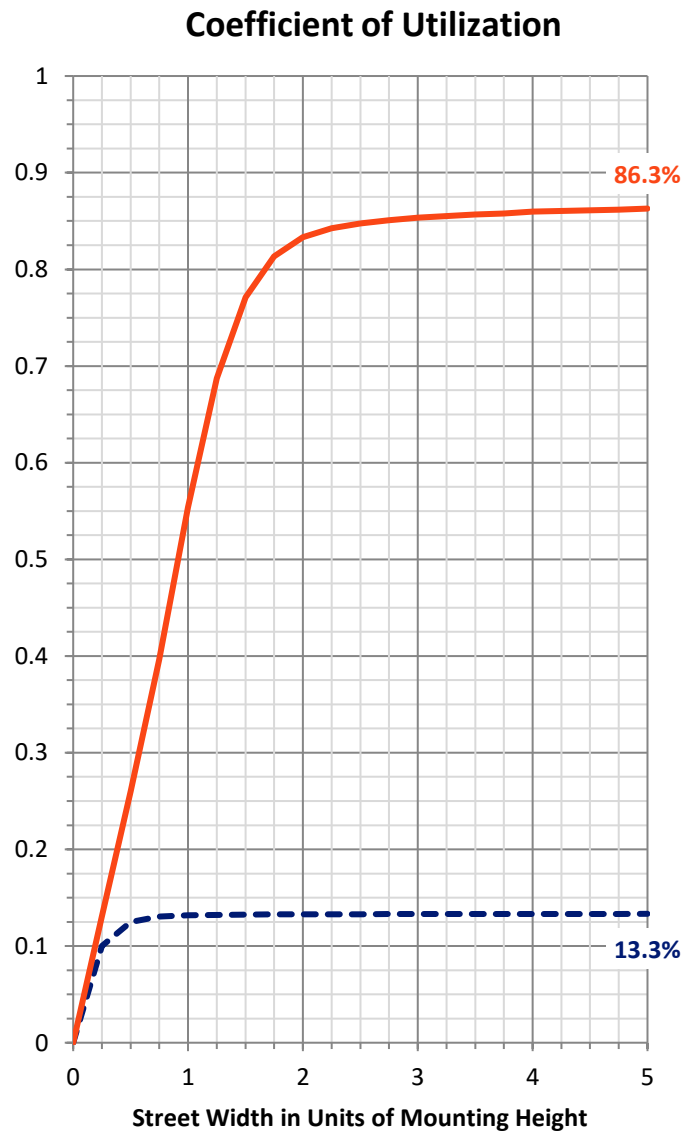
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	830.4	0.0	830.4
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	5310.5	0.0	5310.5
	% Fixture	86.5	0.0	86.5
Total	Lumens	6140.9	0.0	6140.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.9	1.3
10°-20°	152.6	2.5
20°-30°	230.5	3.8
30°-40°	530.9	8.6
40°-50°	1164.6	19.0
50°-60°	1709.7	27.8
60°-70°	1485.0	24.2
70°-80°	736.3	12.0
80°-90°	52.3	0.9
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°	6140.9	100.0
0°-180°	6140.9	100.0



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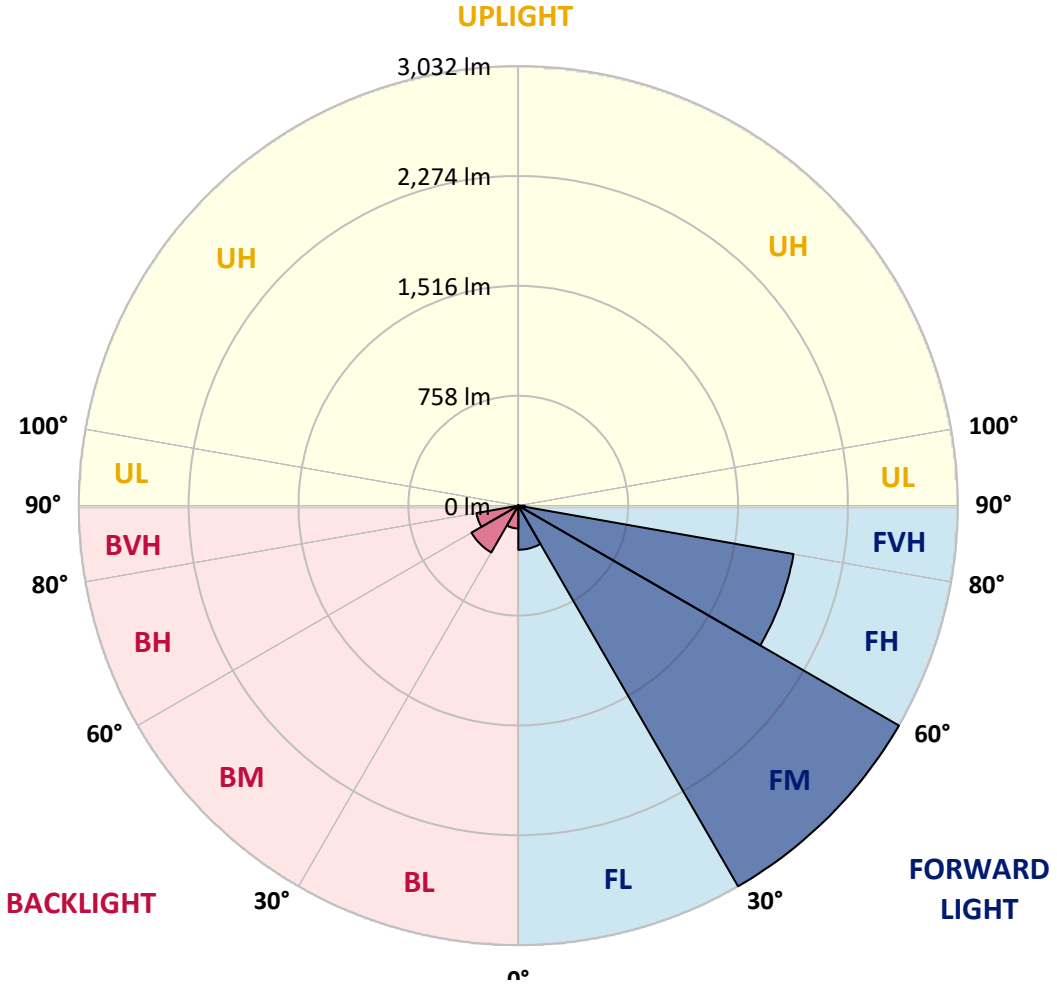
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	304.4	5.0			
FM	(30°-60°)	3032.2	49.4			
FH	(60°-80°)	1927.9	31.4			G2/5000
FVH	(80°-90°)	46.0	0.7			G1/100
BL	(0°-30°)	157.7	2.6	B1/500		
BM	(30°-60°)	373.0	6.1	B1/1000		
BH	(60°-80°)	293.4	4.8	B1/500		G1/500
BVH	(80°-90°)	6.3	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 II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1028.1	1028.1	1028.1	1028.1	1028.1	1028.1	1028.1	1028.1	1028.1	1028.1	1028.1
2.5°	860.9	932.1	953.8	975.5	994.0	1012.6	1015.7	1018.8	1025.0	1028.1	1031.2
5°	842.3	845.4	845.4	842.3	845.4	848.5	848.5	848.5	848.5	848.5	851.6
7.5°	675.1	755.6	780.4	802.0	814.4	823.7	829.9	833.0	836.1	839.2	842.3
10°	814.4	811.3	814.4	814.4	817.5	817.5	746.3	675.1	699.9	721.5	684.4
12.5°	647.2	712.2	740.1	768.0	786.6	802.0	771.1	737.0	672.0	603.9	607.0
15°	780.4	780.4	780.4	780.4	721.5	659.6	619.3	576.0	610.1	641.0	579.1
17.5°	628.6	628.6	684.4	740.1	740.1	737.0	696.8	653.4	566.7	480.0	557.4
20°	777.3	777.3	780.4	783.5	681.3	579.1	613.1	644.1	656.5	668.9	641.0
22.5°	634.8	634.8	644.1	650.3	687.5	724.6	625.5	526.4	607.0	687.5	631.7
25°	820.6	823.7	829.9	833.0	740.1	644.1	687.5	730.8	644.1	557.4	644.1
27.5°	743.2	730.8	730.8	727.7	758.7	786.6	724.6	662.7	718.4	774.2	709.1
30°	1043.6	1034.3	1021.9	1009.5	891.9	774.2	777.3	777.3	755.6	733.9	771.1
32.5°	1446.2	1430.7	1325.4	1220.1	1133.4	1046.7	956.9	867.1	898.0	925.9	907.3
35°	1941.6	1941.6	1842.5	1743.4	1548.4	1353.3	1201.5	1046.7	1034.3	1021.9	1040.5
37.5°	2530.0	2468.1	2350.4	2232.7	1991.2	1746.5	1514.3	1282.0	1254.2	1223.2	1192.2
40°	2966.6	2957.4	2867.6	2777.7	2480.5	2183.2	1910.7	1635.1	1545.3	1452.4	1384.2
42.5°	3421.9	3387.8	3316.6	3242.3	2941.9	2638.4	2347.3	2053.1	1929.3	1805.4	1684.6
45°	3750.1	3740.8	3678.9	3617.0	3372.3	3124.6	2821.1	2514.5	2434.0	2353.5	2127.4
47.5°	3954.5	3901.9	3877.1	3849.2	3638.6	3428.1	3171.0	2910.9	2898.5	2883.0	2598.1
50°	3892.6	3846.1	3852.3	3858.5	3756.3	3654.1	3459.0	3260.8	3294.9	3329.0	3093.6
52.5°	3564.3	3524.1	3579.8	3632.4	3629.3	3626.2	3555.0	3480.7	3604.6	3725.3	3564.3
55°	2907.8	2935.7	3047.2	3158.6	3233.0	3304.2	3406.4	3505.5	3740.8	3973.1	3942.1
57.5°	2279.2	2341.1	2455.7	2567.2	2687.9	2805.6	3022.4	3239.2	3635.5	4028.8	4165.1
60°	1529.8	1570.0	1771.3	1969.5	2081.0	2192.5	2427.8	2660.1	3198.9	3734.6	4090.8
62.5°	950.7	972.4	1086.9	1201.5	1427.6	1653.6	1771.3	1885.9	2468.1	3047.2	3706.8
65°	585.3	579.1	625.5	668.9	891.9	1111.7	1189.1	1263.5	1650.5	2034.5	3059.5
67.5°	*349.9*	*346.8*	*371.6*	*396.4*	*498.6*	*600.8*	*721.5*	*842.3*	*978.6*	*1111.7*	*2266.8*
70°	284.9	291.1	300.4	309.7	337.5	365.4	476.9	588.4	585.3	582.2	1362.6
72.5°	238.4	244.6	263.2	278.7	300.4	319.0	384.0	445.9	418.1	390.2	650.3
75°	176.5	179.6	204.4	226.1	260.1	291.1	306.6	319.0	306.6	294.2	328.3
77.5°	117.7	117.7	139.4	161.0	195.1	229.2	247.7	266.3	244.6	223.0	232.3
80°	74.3	74.3	86.7	96.0	130.1	164.1	185.8	207.5	188.9	167.2	164.1
82.5°	43.4	46.5	52.6	58.8	80.5	102.2	117.7	133.2	154.8	173.4	139.4
85°	18.6	21.7	27.9	31.0	43.4	52.6	61.9	71.2	89.8	108.4	89.8
87.5°	3.1	3.1	6.2	9.3	12.4	15.5	15.5	15.5	15.5	12.4	15.5
90°	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1028.1	1028.1	*1028.1*	1028.1	1028.1	1028.1	1028.1	1028.1	1028.1	1028.1	1028.1
2.5°	1031.2	1028.1	*1025.0*	1025.0	1025.0	1021.9	1018.8	1018.8	1018.8	1015.7	1012.6
5°	851.6	929.0	*1006.4*	1009.5	1015.7	1012.6	1009.5	1006.4	1003.3	1000.2	994.0
7.5°	842.3	836.1	*829.9*	808.2	882.6	882.6	879.5	879.5	873.3	848.5	823.7
10°	644.1	641.0	*634.8*	644.1	659.6	712.2	761.8	758.7	749.4	690.6	631.7
12.5°	610.1	619.3	*628.6*	597.7	538.8	588.4	637.9	631.7	625.5	572.9	517.2
15°	517.2	523.3	*529.5*	579.1	668.9	715.3	758.7	752.5	746.3	684.4	619.3
17.5°	634.8	610.1	*585.3*	619.3	588.4	610.1	631.7	607.0	588.4	563.6	538.8
20°	610.1	545.0	*480.0*	579.1	693.7	730.8	768.0	758.7	740.1	681.3	619.3
22.5°	572.9	637.9	*699.9*	668.9	613.1	579.1	545.0	529.5	517.2	520.2	523.3
25°	727.7	644.1	*557.4*	706.0	795.9	808.2	817.5	789.7	758.7	693.7	625.5
27.5°	641.0	703.0	*761.8*	820.6	851.6	860.9	867.1	907.3	842.3	755.6	668.9
30°	808.2	860.9	*913.5*	1043.6	1148.9	1167.5	1186.0	1139.6	1086.9	981.7	876.4
32.5°	888.8	1009.5	*1127.2*	1189.1	1232.5	1248.0	1263.5	1201.5	1142.7	1006.4	867.1
35°	1056.0	1145.8	*1235.6*	1306.8	1390.4	1393.5	1396.6	1328.5	1254.2	1056.0	857.8
37.5°	1158.2	1275.8	*1390.4*	1470.9	1601.0	1591.7	1582.4	1501.9	1412.1	1133.4	854.7
40°	1313.0	1464.7	*1613.4*	1690.8	1848.7	1820.9	1793.0	1700.1	1601.0	1217.0	833.0
42.5°	1563.8	1724.9	*1885.9*	1950.9	2124.3	2093.4	2059.3	1935.4	1808.5	1285.1	761.8
45°	1898.3	2043.8	*2189.4*	2304.0	2440.2	2390.7	2341.1	2208.0	2022.2	1344.0	665.8
47.5°	2310.1	2418.5	*2526.9*	2753.0	2852.1	2753.0	2650.8	2489.8	2254.4	1393.5	532.6
50°	2858.3	2883.0	*2904.7*	3186.5	3285.6	3133.9	2982.1	2774.7	2492.9	1449.3	402.6
52.5°	3400.2	3353.7	*3304.2*	3607.7	3644.8	3443.5	3239.2	3022.4	2669.4	1480.2	288.0
55°	3911.1	3846.1	*3778.0*	3994.8	3970.0	3703.7	3437.3	3174.1	2777.7	1489.5	201.3
57.5°	4301.3	4261.1	*4217.7*	4316.8	4223.9	3911.1	3598.4	3335.2	2858.3	1505.0	148.6
60°	4443.8	4533.6	*4623.4*	4611.0	4440.7	4109.3	3778.0	3499.3	2907.8	1511.2	111.5
62.5°	4366.4	4657.5	*4945.4*	4827.8	4620.3	4270.4	3917.3	3647.9	2929.5	1508.1	86.7
65°	4084.6	4645.1	*5202.5*	5007.4	4747.3	4397.3	4047.4	3805.9	2954.3	1511.2	68.1
67.5°	*3418.8*	*4347.8*	*5273.7*	*5149.8*	*4852.5*	*4480.9*	*4106.2*	*3911.1*	*2941.9*	*1498.8*	*55.7*
70°	2139.8	3539.5	*4939.3*	5035.3	4852.5	4443.8	4035.0	3880.2	2830.4	1436.9	43.4
72.5°	907.3	2499.0	*4090.8*	4508.8	4635.8	4239.4	3843.0	3651.0	2591.9	1313.0	34.1
75°	359.2	1436.9	*2514.5*	3177.2	3567.4	3400.2	3229.9	2972.8	1700.1	864.0	24.8
77.5°	241.5	656.5	*1071.5*	1560.7	1861.1	1926.2	1991.2	1697.0	678.2	349.9	18.6
80°	161.0	263.2	*365.4*	560.5	668.9	631.7	591.5	486.2	207.5	111.5	15.5
82.5°	102.2	136.3	*170.3*	192.0	198.2	142.4	86.7	71.2	24.8	18.6	9.3
85°	68.1	80.5	*92.9*	96.0	96.0	68.1	37.2	18.6	9.3	9.3	6.2
87.5°	18.6	21.7	*21.7*	21.7	15.5	12.4	9.3	6.2	6.2	6.2	6.2
90°	9.3	12.4	*12.4*	12.4	9.3	9.3	6.2	6.2	6.2	6.2	6.2

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1028.1	1028.1	1028.1	1028.1	1028.1	1028.1	1028.1	1028.1	1028.1	1028.1	1028.1
2.5°	1012.6	1012.6	1009.5	1006.4	1006.4	1003.3	972.4	938.3	907.3	873.3	870.2
5°	953.8	910.4	870.2	829.9	823.7	814.4	814.4	811.3	811.3	808.2	808.2
7.5°	817.5	811.3	805.1	799.0	795.9	789.7	786.6	780.4	777.3	771.1	737.0
10°	619.3	603.9	603.9	600.8	607.0	613.1	610.1	603.9	644.1	684.4	681.3
12.5°	551.2	582.2	554.3	523.3	532.6	538.8	548.1	557.4	554.3	548.1	501.7
15°	554.3	486.2	464.5	439.7	452.1	461.4	380.9	297.3	281.8	266.3	247.7
17.5°	517.2	495.5	480.0	461.4	353.0	241.5	216.8	192.0	170.3	145.5	142.4
20°	523.3	424.2	396.4	365.4	281.8	198.2	151.7	105.3	92.9	80.5	92.9
22.5°	511.0	495.5	362.3	229.2	170.3	111.5	92.9	71.2	77.4	83.6	83.6
25°	480.0	334.4	260.1	185.8	130.1	71.2	74.3	74.3	68.1	58.8	65.0
27.5°	520.2	368.5	235.3	99.1	86.7	71.2	65.0	55.7	55.7	55.7	52.6
30°	600.8	322.1	201.3	80.5	68.1	55.7	52.6	49.5	46.5	40.3	43.4
32.5°	569.8	272.5	170.3	68.1	58.8	49.5	43.4	37.2	37.2	37.2	37.2
35°	517.2	173.4	117.7	58.8	49.5	40.3	37.2	31.0	31.0	31.0	31.0
37.5°	483.1	111.5	80.5	46.5	40.3	34.1	31.0	24.8	24.8	24.8	27.9
40°	455.2	77.4	58.8	40.3	34.1	24.8	21.7	18.6	21.7	21.7	21.7
42.5°	415.0	65.0	49.5	34.1	27.9	21.7	18.6	15.5	18.6	18.6	18.6
45°	362.3	58.8	43.4	27.9	24.8	18.6	15.5	12.4	15.5	15.5	15.5
47.5°	291.1	49.5	37.2	24.8	21.7	15.5	15.5	12.4	12.4	12.4	12.4
50°	226.1	46.5	34.1	21.7	18.6	12.4	12.4	9.3	12.4	12.4	12.4
52.5°	164.1	40.3	31.0	18.6	15.5	9.3	9.3	9.3	9.3	9.3	9.3
55°	117.7	34.1	24.8	15.5	12.4	9.3	9.3	6.2	9.3	9.3	9.3
57.5°	89.8	31.0	21.7	12.4	9.3	6.2	6.2	6.2	6.2	6.2	6.2
60°	71.2	27.9	21.7	12.4	9.3	6.2	6.2	3.1	6.2	6.2	6.2
62.5°	55.7	21.7	18.6	12.4	9.3	6.2	6.2	3.1	6.2	6.2	6.2
65°	43.4	18.6	15.5	9.3	6.2	3.1	3.1	3.1	6.2	6.2	6.2
67.5°	*37.2*	*15.5*	*12.4*	*9.3*	*6.2*	*3.1*	*6.2*	*6.2*	*6.2*	*6.2*	*6.2*
70°	31.0	15.5	12.4	9.3	6.2	3.1	6.2	6.2	9.3	9.3	6.2
72.5°	24.8	12.4	9.3	6.2	6.2	3.1	6.2	6.2	9.3	9.3	6.2
75°	18.6	9.3	9.3	6.2	6.2	3.1	6.2	9.3	9.3	9.3	6.2
77.5°	15.5	9.3	9.3	6.2	6.2	3.1	6.2	9.3	9.3	9.3	9.3
80°	12.4	6.2	6.2	6.2	3.1	0.0	6.2	12.4	12.4	9.3	9.3
82.5°	9.3	6.2	6.2	6.2	3.1	0.0	6.2	12.4	12.4	9.3	9.3
85°	6.2	6.2	6.2	6.2	6.2	3.1	9.3	12.4	12.4	9.3	9.3
87.5°	6.2	6.2	6.2	6.2	6.2	3.1	6.2	9.3	9.3	9.3	9.3
90°	6.2	6.2	9.3	9.3	6.2	3.1	6.2	9.3	9.3	9.3	9.3

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CATALOG NUMBER: SDL-PA1-70-750-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1028.1	1028.1	1028.1	1028.1
2.5°	864.0	870.2	873.3	867.1
5°	805.1	805.1	802.0	811.3
7.5°	699.9	681.3	659.6	644.1
10°	675.1	659.6	644.1	647.2
12.5°	452.1	405.7	359.2	374.7
15°	229.2	216.8	204.4	204.4
17.5°	136.3	123.9	108.4	111.5
20°	102.2	102.2	102.2	102.2
22.5°	80.5	77.4	71.2	68.1
25°	68.1	68.1	68.1	68.1
27.5°	49.5	49.5	46.5	43.4
30°	43.4	43.4	43.4	40.3
32.5°	34.1	37.2	37.2	37.2
35°	31.0	31.0	31.0	31.0
37.5°	27.9	27.9	24.8	24.8
40°	21.7	21.7	21.7	21.7
42.5°	18.6	18.6	18.6	18.6
45°	15.5	15.5	15.5	15.5
47.5°	12.4	12.4	12.4	12.4
50°	12.4	12.4	9.3	9.3
52.5°	9.3	9.3	6.2	6.2
55°	6.2	6.2	6.2	6.2
57.5°	6.2	6.2	3.1	3.1
60°	6.2	6.2	3.1	3.1
62.5°	3.1	3.1	3.1	3.1
65°	3.1	3.1	0.0	0.0
67.5°	*3.1*	*3.1*	*0.0*	*0.0*
70°	3.1	3.1	0.0	0.0
72.5°	3.1	3.1	0.0	0.0
75°	3.1	3.1	0.0	0.0
77.5°	6.2	3.1	0.0	0.0
80°	6.2	6.2	3.1	0.0
82.5°	6.2	6.2	3.1	0.0
85°	6.2	6.2	3.1	0.0
87.5°	6.2	6.2	3.1	0.0
90°	6.2	6.2	3.1	0.0

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