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: P560430

Luminaire Tested: **SDL-PA1-40-760-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method:	LM-79-08
Report Number:	P560430
	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-PA1-40-760-U-T2U-HSS
Description:	Springdale
	(1) 70 CRI, 5700K, 500mA 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:	3582.7 lumens
Efficiency:	N/A
Efficacy:	90.9 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 - G1

Input Watts (W):	39.4
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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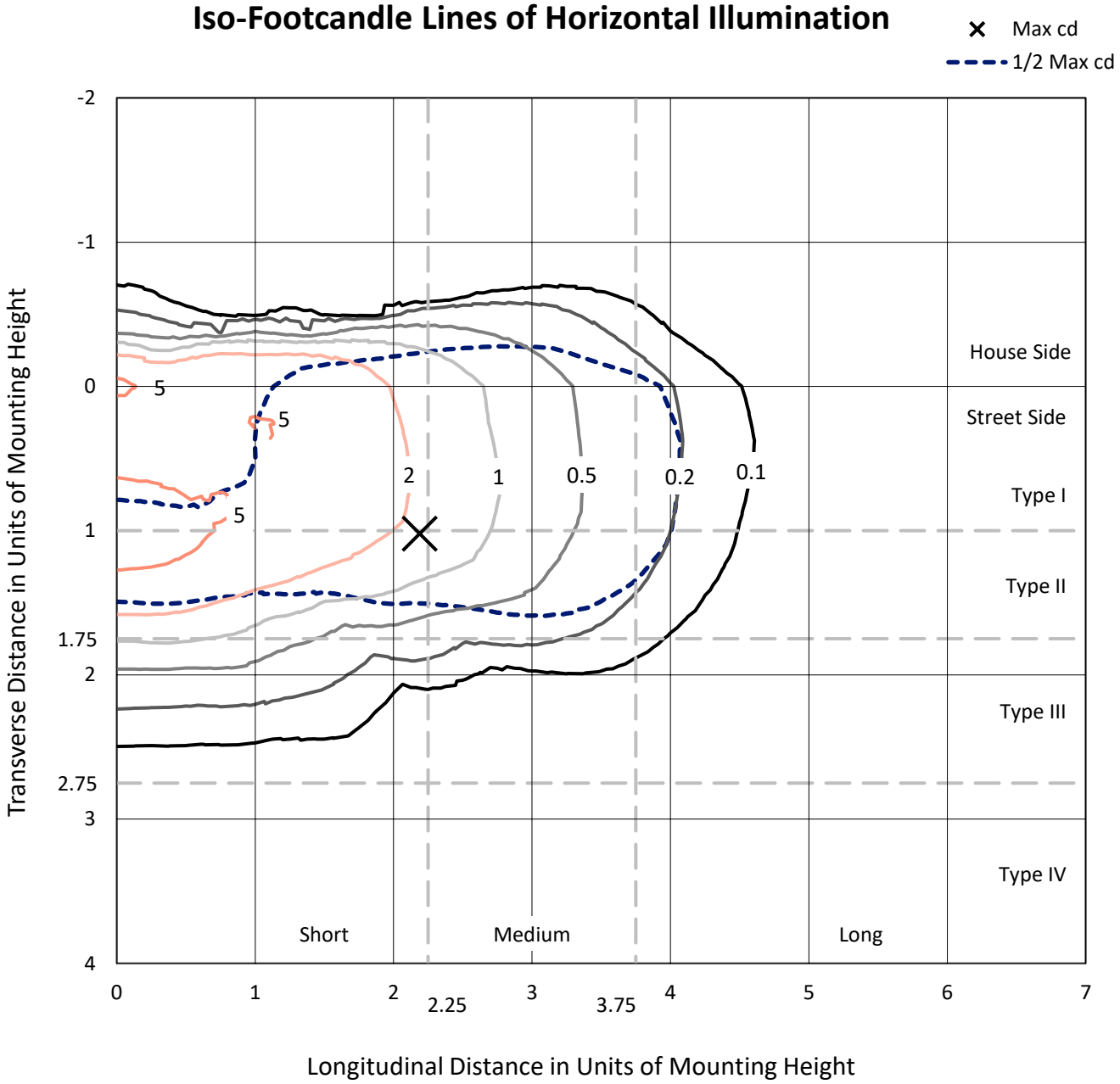
Iso-Footcandle Lines of Horizontal Illumination



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
Type II - Short - N/A

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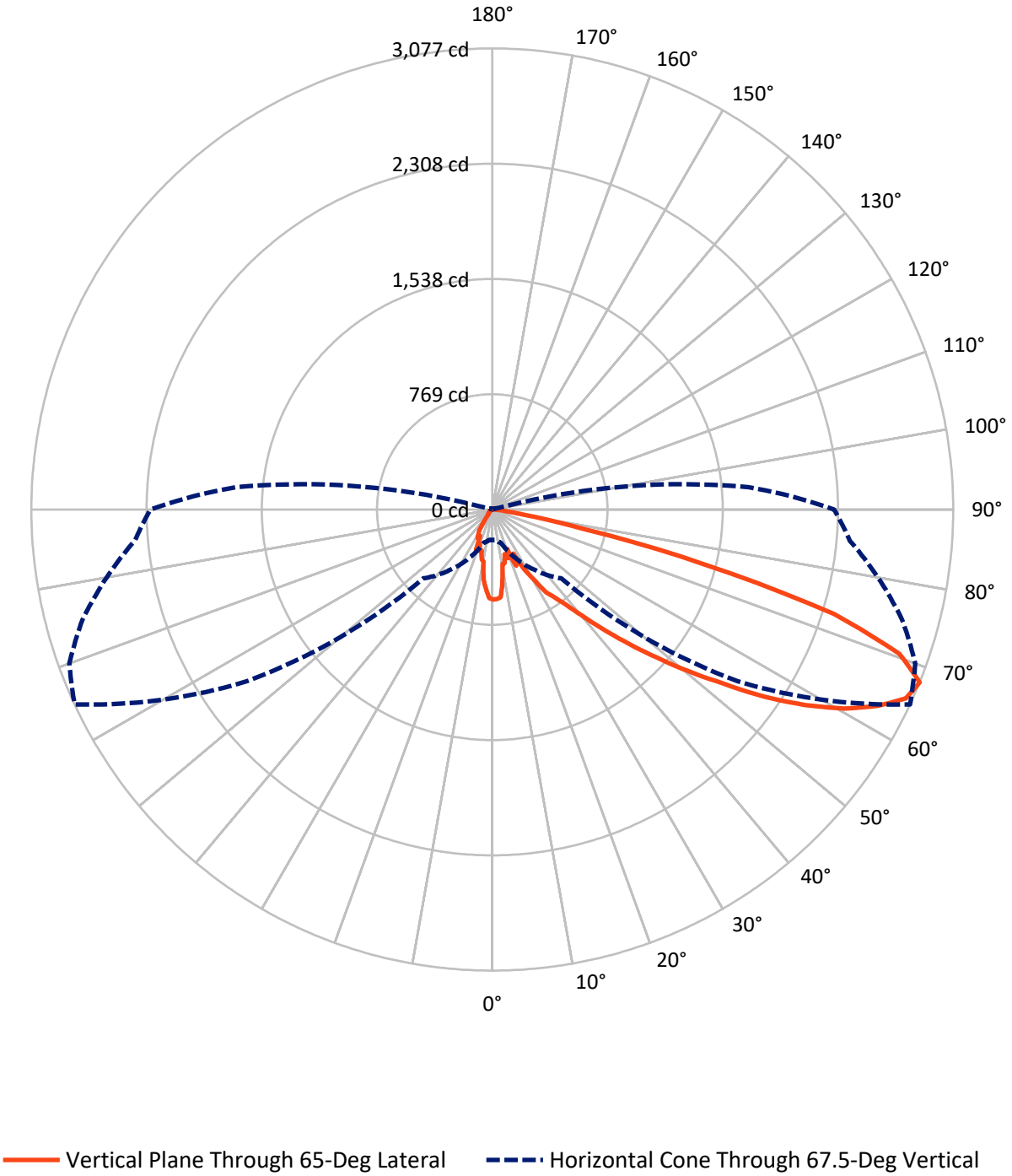
Luminous Intensity Polar Plot



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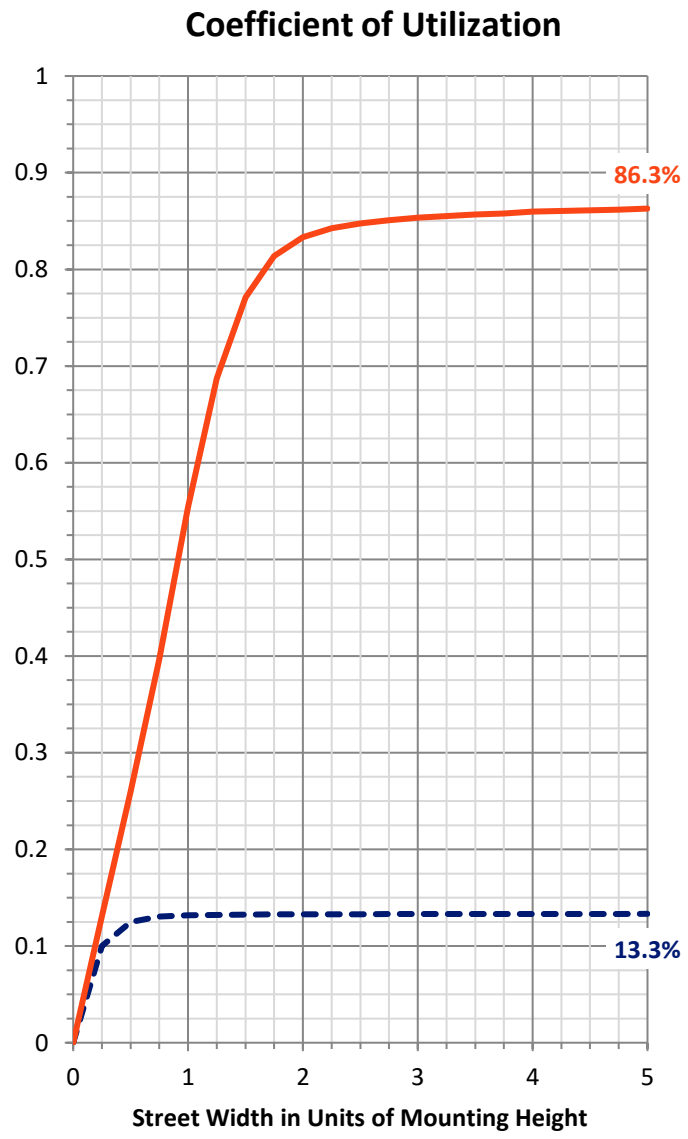
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	484.4	0.0	484.4
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	3098.2	0.0	3098.2
	% Fixture	86.5	0.0	86.5
Total	Lumens	3582.7	0.0	3582.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.1	1.3
10°-20°	89.1	2.5
20°-30°	134.5	3.8
30°-40°	309.7	8.6
40°-50°	679.4	19.0
50°-60°	997.5	27.8
60°-70°	866.4	24.2
70°-80°	429.6	12.0
80°-90°	30.5	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°	3582.7	100.0
0°-180°	3582.7	100.0



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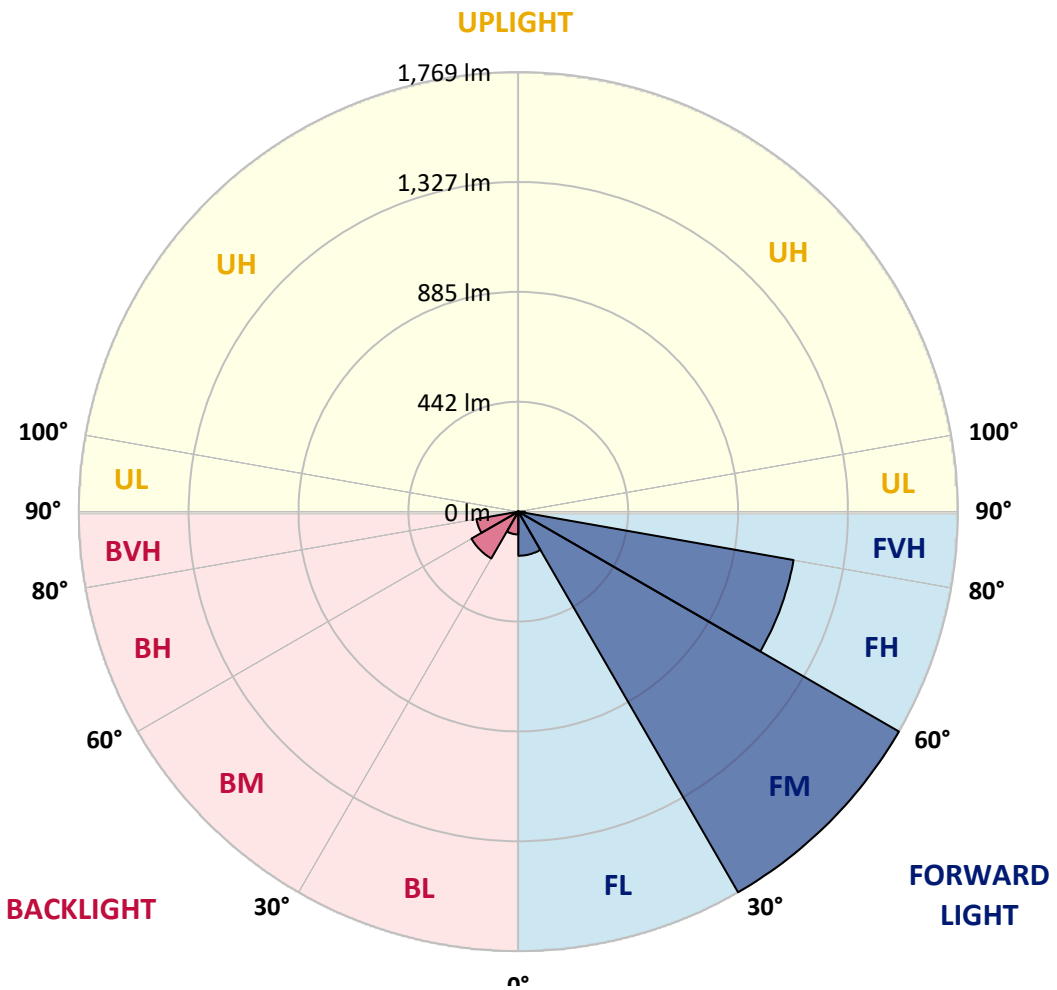
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	177.6	5.0			
FM	(30°-60°)	1769.1	49.4			
FH	(60°-80°)	1124.8	31.4			G1/1800
FVH	(80°-90°)	26.8	0.7			G1/100
BL	(0°-30°)	92.0	2.6	B0/110		
BM	(30°-60°)	217.6	6.1	B0/220		
BH	(60°-80°)	171.1	4.8	B1/500		G1/500
BVH	(80°-90°)	3.7	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-G1
Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8
2.5°	502.3	543.8	556.5	569.1	579.9	590.8	592.6	594.4	598.0	599.8	601.6
5°	491.4	493.2	493.2	491.4	493.2	495.0	495.0	495.0	495.0	495.0	496.8
7.5°	393.9	440.8	455.3	467.9	475.2	480.6	484.2	486.0	487.8	489.6	491.4
10°	475.2	473.3	475.2	475.2	477.0	477.0	435.4	393.9	408.3	421.0	399.3
12.5°	377.6	415.5	431.8	448.1	458.9	467.9	449.9	430.0	392.0	352.3	354.1
15°	455.3	455.3	455.3	455.3	421.0	384.8	361.3	336.0	355.9	374.0	337.8
17.5°	366.8	366.8	399.3	431.8	431.8	430.0	406.5	381.2	330.6	280.0	325.2
20°	453.5	453.5	455.3	457.1	397.5	337.8	357.7	375.8	383.0	390.2	374.0
22.5°	370.4	370.4	375.8	379.4	401.1	422.8	364.9	307.1	354.1	401.1	368.6
25°	478.8	480.6	484.2	486.0	431.8	375.8	401.1	426.4	375.8	325.2	375.8
27.5°	433.6	426.4	426.4	424.6	442.6	458.9	422.8	386.6	419.1	451.7	413.7
30°	608.9	603.4	596.2	589.0	520.3	451.7	453.5	453.5	440.8	428.2	449.9
32.5°	843.7	834.7	773.3	711.8	661.2	610.7	558.3	505.9	523.9	540.2	529.4
35°	1132.8	1132.8	1075.0	1017.2	903.3	789.5	701.0	610.7	603.4	596.2	607.0
37.5°	1476.1	1439.9	1371.3	1302.6	1161.7	1019.0	883.5	748.0	731.7	713.6	695.6
40°	1730.8	1725.4	1673.0	1620.6	1447.1	1273.7	1114.7	953.9	901.5	847.3	807.6
42.5°	1996.4	1976.5	1935.0	1891.6	1716.3	1539.3	1369.5	1197.8	1125.6	1053.3	982.8
45°	2187.9	2182.5	2146.3	2110.2	1967.5	1822.9	1645.9	1467.0	1420.0	1373.1	1241.2
47.5°	2307.1	2276.4	2262.0	2245.7	2122.8	2000.0	1850.0	1698.3	1691.1	1682.0	1515.8
50°	2271.0	2243.9	2247.5	2251.1	2191.5	2131.9	2018.1	1902.4	1922.3	1942.2	1804.9
52.5°	2079.5	2056.0	2088.5	2119.2	2117.4	2115.6	2074.1	2030.7	2103.0	2173.4	2079.5
55°	1696.5	1712.7	1777.8	1842.8	1886.2	1927.7	1987.3	2045.2	2182.5	2318.0	2299.9
57.5°	1329.7	1365.8	1432.7	1497.7	1568.2	1636.9	1763.3	1889.8	2121.0	2350.5	2430.0
60°	892.5	916.0	1033.4	1149.0	1214.1	1279.1	1416.4	1551.9	1866.3	2178.9	2386.6
62.5°	554.7	567.3	634.1	701.0	832.9	964.8	1033.4	1100.3	1439.9	1777.8	2162.6
65°	341.5	337.8	364.9	390.2	520.3	648.6	693.8	737.1	963.0	1187.0	1785.0
67.5°	*204.2*	*202.3*	*216.8*	*231.3*	*290.9*	*350.5*	*421.0*	*491.4*	*570.9*	*648.6*	*1322.5*
70°	166.2	169.8	175.2	180.7	196.9	213.2	278.2	343.3	341.5	339.7	794.9
72.5°	139.1	142.7	153.6	162.6	175.2	186.1	224.0	260.2	243.9	227.6	379.4
75°	103.0	104.8	119.2	131.9	151.8	169.8	178.9	186.1	178.9	171.6	191.5
77.5°	68.7	68.7	81.3	93.9	113.8	133.7	144.5	155.4	142.7	130.1	135.5
80°	43.4	43.4	50.6	56.0	75.9	95.8	108.4	121.0	110.2	97.6	95.8
82.5°	25.3	27.1	30.7	34.3	47.0	59.6	68.7	77.7	90.3	101.2	81.3
85°	10.8	12.6	16.3	18.1	25.3	30.7	36.1	41.6	52.4	63.2	52.4
87.5°	1.8	1.8	3.6	5.4	7.2	9.0	9.0	9.0	9.0	7.2	9.0
90°	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8	1.8	1.8	3.6

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	599.8	599.8	*599.8*	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8
2.5°	601.6	599.8	*598.0*	598.0	598.0	596.2	594.4	594.4	594.4	592.6	590.8
5°	496.8	542.0	*587.2*	589.0	592.6	590.8	589.0	587.2	585.4	583.6	579.9
7.5°	491.4	487.8	*484.2*	471.5	514.9	514.9	513.1	513.1	509.5	495.0	480.6
10°	375.8	374.0	*370.4*	375.8	384.8	415.5	444.4	442.6	437.2	402.9	368.6
12.5°	355.9	361.3	*366.8*	348.7	314.4	343.3	372.2	368.6	364.9	334.2	301.7
15°	301.7	305.3	*308.9*	337.8	390.2	417.3	442.6	439.0	435.4	399.3	361.3
17.5°	370.4	355.9	*341.5*	361.3	343.3	355.9	368.6	354.1	343.3	328.8	314.4
20°	355.9	318.0	*280.0*	337.8	404.7	426.4	448.1	442.6	431.8	397.5	361.3
22.5°	334.2	372.2	*408.3*	390.2	357.7	337.8	318.0	308.9	301.7	303.5	305.3
25°	424.6	375.8	*325.2*	411.9	464.3	471.5	477.0	460.7	442.6	404.7	364.9
27.5°	374.0	410.1	*444.4*	478.8	496.8	502.3	505.9	529.4	491.4	440.8	390.2
30°	471.5	502.3	*533.0*	608.9	670.3	681.1	692.0	664.9	634.1	572.7	511.3
32.5°	518.5	589.0	*657.6*	693.8	719.1	728.1	737.1	701.0	666.7	587.2	505.9
35°	616.1	668.5	*720.9*	762.4	811.2	813.0	814.8	775.1	731.7	616.1	500.4
37.5°	675.7	744.4	*811.2*	858.2	934.1	928.6	923.2	876.2	823.8	661.2	498.6
40°	766.0	854.6	*941.3*	986.4	1078.6	1062.3	1046.1	991.9	934.1	710.0	486.0
42.5°	912.4	1006.3	*1100.3*	1138.2	1239.4	1221.3	1201.4	1129.2	1055.1	749.8	444.4
45°	1107.5	1192.4	*1277.3*	1344.2	1423.7	1394.8	1365.8	1288.2	1179.8	784.1	388.4
47.5°	1347.8	1411.0	*1474.2*	1606.1	1664.0	1606.1	1546.5	1452.6	1315.3	813.0	310.7
50°	1667.6	1682.0	*1694.7*	1859.1	1916.9	1828.4	1739.8	1618.8	1454.4	845.5	234.9
52.5°	1983.7	1956.6	*1927.7*	2104.8	2126.5	2009.0	1889.8	1763.3	1557.4	863.6	168.0
55°	2281.8	2243.9	*2204.1*	2330.6	2316.2	2160.8	2005.4	1851.8	1620.6	869.0	117.4
57.5°	2509.5	2486.0	*2460.7*	2518.5	2464.3	2281.8	2099.4	1945.8	1667.6	878.0	86.7
60°	2592.6	2645.0	*2697.4*	2690.1	2590.8	2397.5	2204.1	2041.5	1696.5	881.7	65.0
62.5°	2547.4	2717.2	*2885.3*	2816.6	2695.6	2491.4	2285.4	2128.3	1709.1	879.9	50.6
65°	2383.0	2710.0	*3035.2*	2921.4	2769.6	2565.5	2361.3	2220.4	1723.6	881.7	39.7
67.5°	*1994.6*	*2536.6*	*3076.8*	*3004.5*	*2831.1*	*2614.3*	*2395.7*	*2281.8*	*1716.3*	*874.4*	*32.5*
70°	1248.4	2065.0	*2881.7*	2937.7	2831.1	2592.6	2354.1	2263.8	1651.3	838.3	25.3
72.5°	529.4	1458.0	*2386.6*	2630.5	2704.6	2473.3	2242.1	2130.1	1512.2	766.0	19.9
75°	209.6	838.3	*1467.0*	1853.7	2081.3	1983.7	1884.4	1734.4	991.9	504.1	14.5
77.5°	140.9	383.0	*625.1*	910.6	1085.8	1123.8	1161.7	990.1	395.7	204.2	10.8
80°	93.9	153.6	*213.2*	327.0	390.2	368.6	345.1	283.6	121.0	65.0	9.0
82.5°	59.6	79.5	*99.4*	112.0	115.6	83.1	50.6	41.6	14.5	10.8	5.4
85°	39.7	47.0	*54.2*	56.0	56.0	39.7	21.7	10.8	5.4	5.4	3.6
87.5°	10.8	12.6	*12.6*	12.6	9.0	7.2	5.4	3.6	3.6	3.6	3.6
90°	5.4	7.2	*7.2*	7.2	5.4	5.4	3.6	3.6	3.6	3.6	3.6

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8
2.5°	590.8	590.8	589.0	587.2	587.2	585.4	567.3	547.4	529.4	509.5	507.7
5°	556.5	531.2	507.7	484.2	480.6	475.2	475.2	473.3	473.3	471.5	471.5
7.5°	477.0	473.3	469.7	466.1	464.3	460.7	458.9	455.3	453.5	449.9	430.0
10°	361.3	352.3	352.3	350.5	354.1	357.7	355.9	352.3	375.8	399.3	397.5
12.5°	321.6	339.7	323.4	305.3	310.7	314.4	319.8	325.2	323.4	319.8	292.7
15°	323.4	283.6	271.0	256.5	263.8	269.2	222.2	173.4	164.4	155.4	144.5
17.5°	301.7	289.1	280.0	269.2	206.0	140.9	126.5	112.0	99.4	84.9	83.1
20°	305.3	247.5	231.3	213.2	164.4	115.6	88.5	61.4	54.2	47.0	54.2
22.5°	298.1	289.1	211.4	133.7	99.4	65.0	54.2	41.6	45.2	48.8	48.8
25°	280.0	195.1	151.8	108.4	75.9	41.6	43.4	43.4	39.7	34.3	37.9
27.5°	303.5	215.0	137.3	57.8	50.6	41.6	37.9	32.5	32.5	32.5	30.7
30°	350.5	187.9	117.4	47.0	39.7	32.5	30.7	28.9	27.1	23.5	25.3
32.5°	332.4	159.0	99.4	39.7	34.3	28.9	25.3	21.7	21.7	21.7	21.7
35°	301.7	101.2	68.7	34.3	28.9	23.5	21.7	18.1	18.1	18.1	18.1
37.5°	281.8	65.0	47.0	27.1	23.5	19.9	18.1	14.5	14.5	14.5	16.3
40°	265.6	45.2	34.3	23.5	19.9	14.5	12.6	10.8	12.6	12.6	12.6
42.5°	242.1	37.9	28.9	19.9	16.3	12.6	10.8	9.0	10.8	10.8	10.8
45°	211.4	34.3	25.3	16.3	14.5	10.8	9.0	7.2	9.0	9.0	9.0
47.5°	169.8	28.9	21.7	14.5	12.6	9.0	9.0	7.2	7.2	7.2	7.2
50°	131.9	27.1	19.9	12.6	10.8	7.2	7.2	5.4	7.2	7.2	7.2
52.5°	95.8	23.5	18.1	10.8	9.0	5.4	5.4	5.4	5.4	5.4	5.4
55°	68.7	19.9	14.5	9.0	7.2	5.4	5.4	3.6	5.4	5.4	5.4
57.5°	52.4	18.1	12.6	7.2	5.4	3.6	3.6	3.6	3.6	3.6	3.6
60°	41.6	16.3	12.6	7.2	5.4	3.6	3.6	1.8	3.6	3.6	3.6
62.5°	32.5	12.6	10.8	7.2	5.4	3.6	3.6	1.8	3.6	3.6	3.6
65°	25.3	10.8	9.0	5.4	3.6	1.8	1.8	1.8	3.6	3.6	3.6
67.5°	*21.7*	*9.0*	*7.2*	*5.4*	*3.6*	*1.8*	*3.6*	*3.6*	*3.6*	*3.6*	*3.6*
70°	18.1	9.0	7.2	5.4	3.6	1.8	3.6	3.6	5.4	5.4	3.6
72.5°	14.5	7.2	5.4	3.6	3.6	1.8	3.6	3.6	5.4	5.4	3.6
75°	10.8	5.4	5.4	3.6	3.6	1.8	3.6	5.4	5.4	5.4	3.6
77.5°	9.0	5.4	5.4	3.6	3.6	1.8	3.6	5.4	5.4	5.4	5.4
80°	7.2	3.6	3.6	3.6	1.8	0.0	3.6	7.2	7.2	5.4	5.4
82.5°	5.4	3.6	3.6	3.6	1.8	0.0	3.6	7.2	7.2	5.4	5.4
85°	3.6	3.6	3.6	3.6	3.6	1.8	5.4	7.2	7.2	5.4	5.4
87.5°	3.6	3.6	3.6	3.6	3.6	1.8	3.6	5.4	5.4	5.4	5.4
90°	3.6	3.6	5.4	5.4	3.6	1.8	3.6	5.4	5.4	5.4	5.4

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CATALOG NUMBER: SDL-PA1-40-760-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	599.8	599.8	599.8	599.8
2.5°	504.1	507.7	509.5	505.9
5°	469.7	469.7	467.9	473.3
7.5°	408.3	397.5	384.8	375.8
10°	393.9	384.8	375.8	377.6
12.5°	263.8	236.7	209.6	218.6
15°	133.7	126.5	119.2	119.2
17.5°	79.5	72.3	63.2	65.0
20°	59.6	59.6	59.6	59.6
22.5°	47.0	45.2	41.6	39.7
25°	39.7	39.7	39.7	39.7
27.5°	28.9	28.9	27.1	25.3
30°	25.3	25.3	25.3	23.5
32.5°	19.9	21.7	21.7	21.7
35°	18.1	18.1	18.1	18.1
37.5°	16.3	16.3	14.5	14.5
40°	12.6	12.6	12.6	12.6
42.5°	10.8	10.8	10.8	10.8
45°	9.0	9.0	9.0	9.0
47.5°	7.2	7.2	7.2	7.2
50°	7.2	7.2	5.4	5.4
52.5°	5.4	5.4	3.6	3.6
55°	3.6	3.6	3.6	3.6
57.5°	3.6	3.6	1.8	1.8
60°	3.6	3.6	1.8	1.8
62.5°	1.8	1.8	1.8	1.8
65°	1.8	1.8	0.0	0.0
67.5°	*1.8*	*1.8*	*0.0*	*0.0*
70°	1.8	1.8	0.0	0.0
72.5°	1.8	1.8	0.0	0.0
75°	1.8	1.8	0.0	0.0
77.5°	3.6	1.8	0.0	0.0
80°	3.6	3.6	1.8	0.0
82.5°	3.6	3.6	1.8	0.0
85°	3.6	3.6	1.8	0.0
87.5°	3.6	3.6	1.8	0.0
90°	3.6	3.6	1.8	0.0

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