

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: P561068

Luminaire Tested: **SDL-PA1-80-730-U-T2U-HSS**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P561068  
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-PA1-80-730-U-T2U-HSS  
Description: Springdale  
(1) 70 CRI, 3000K, 1050mA 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: 6139.5 lumens  
Efficiency: N/A  
Efficacy: 74.9 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 - G2

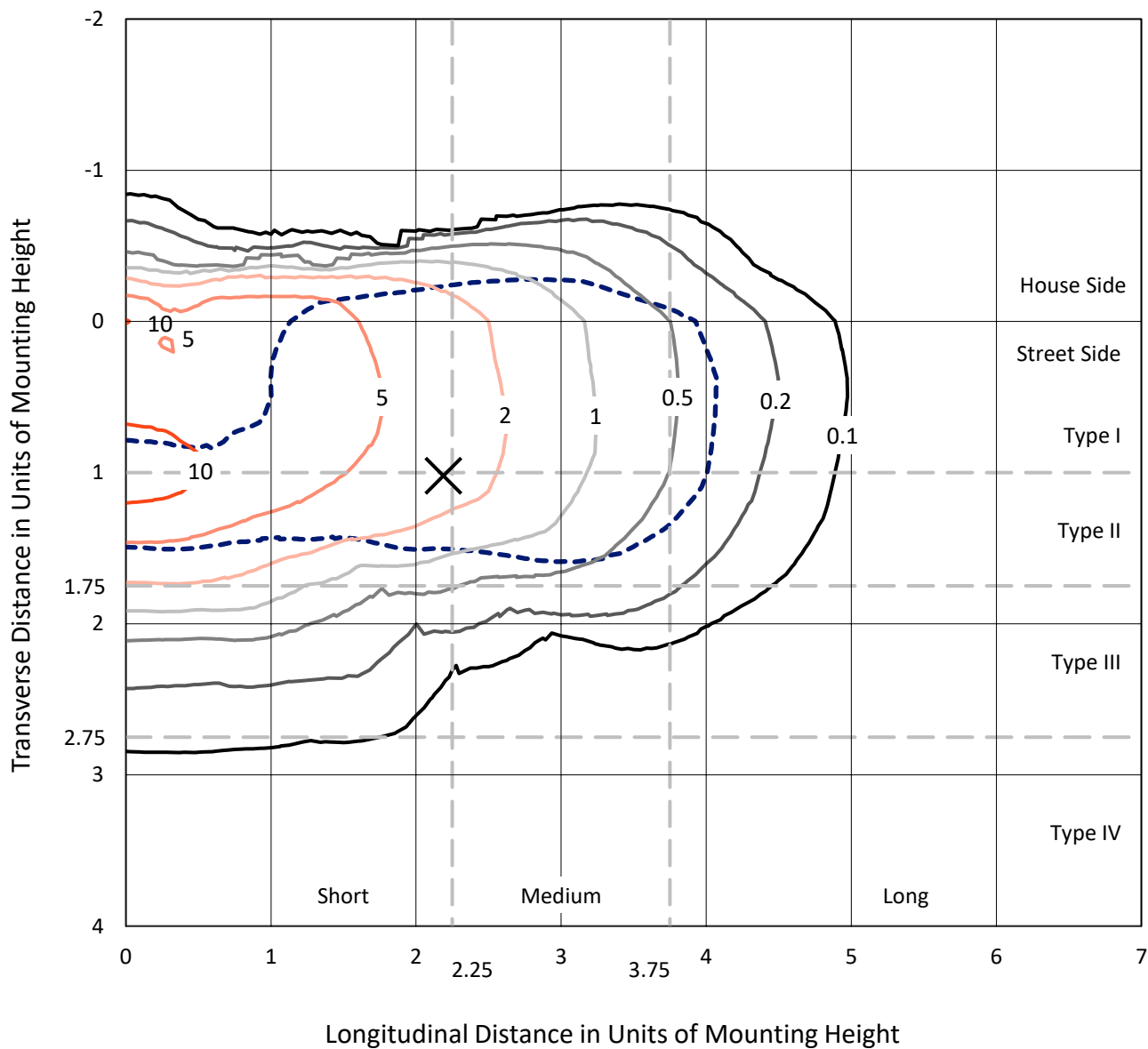
Input Watts (W): 82  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



REPORT NUMBER: P561068  
 CATALOG NUMBER: SDL-PA1-80-730-U-T2U-HSS

### Iso-Footcandle Lines of Horizontal Illumination

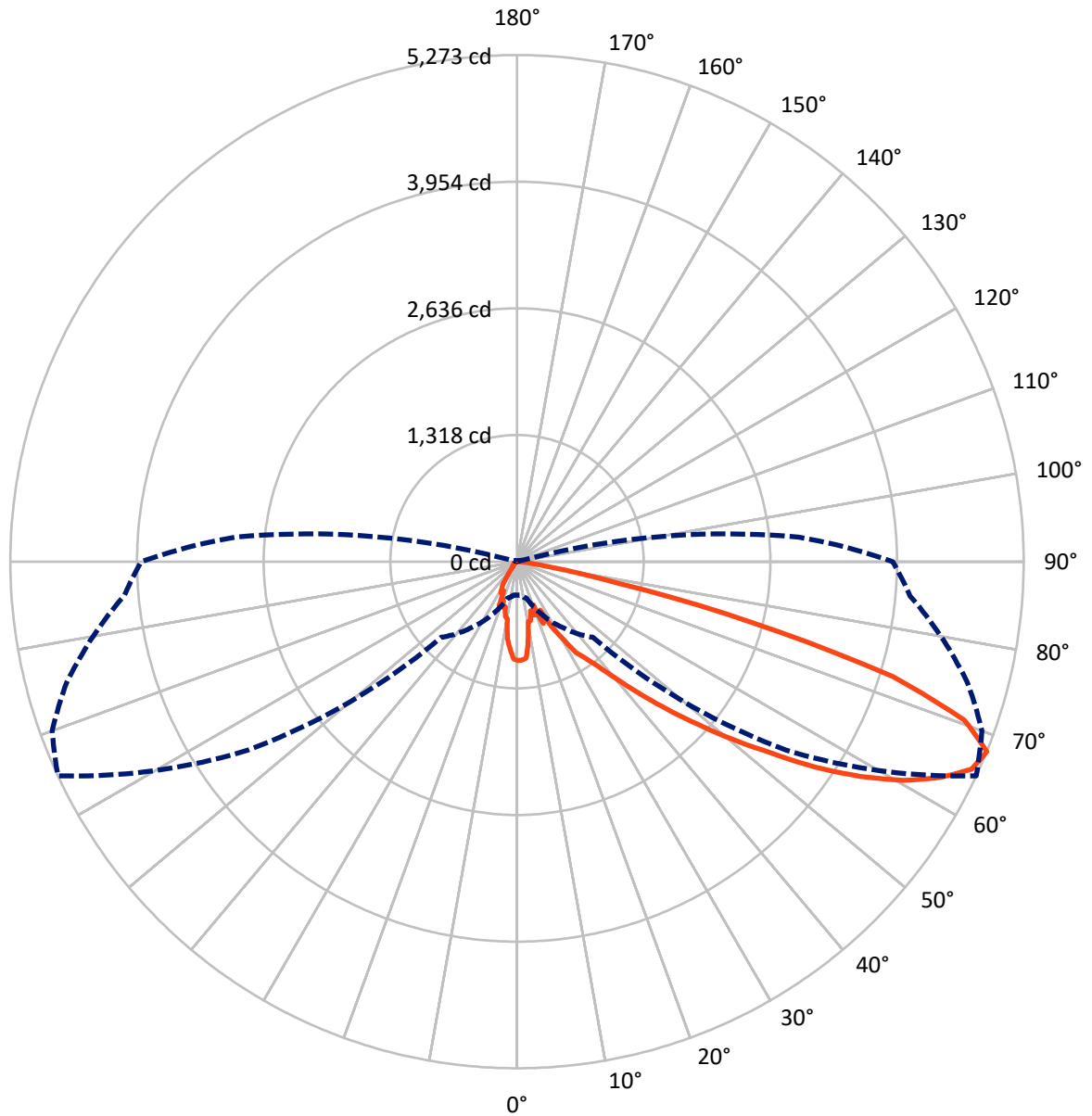
× Max cd  
 - - - 1/2 Max cd



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

REPORT NUMBER: P561068  
CATALOG NUMBER: SDL-PA1-80-730-U-T2U-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical



REPORT NUMBER: P561068  
 CATALOG NUMBER: SDL-PA1-80-730-U-T2U-HSS

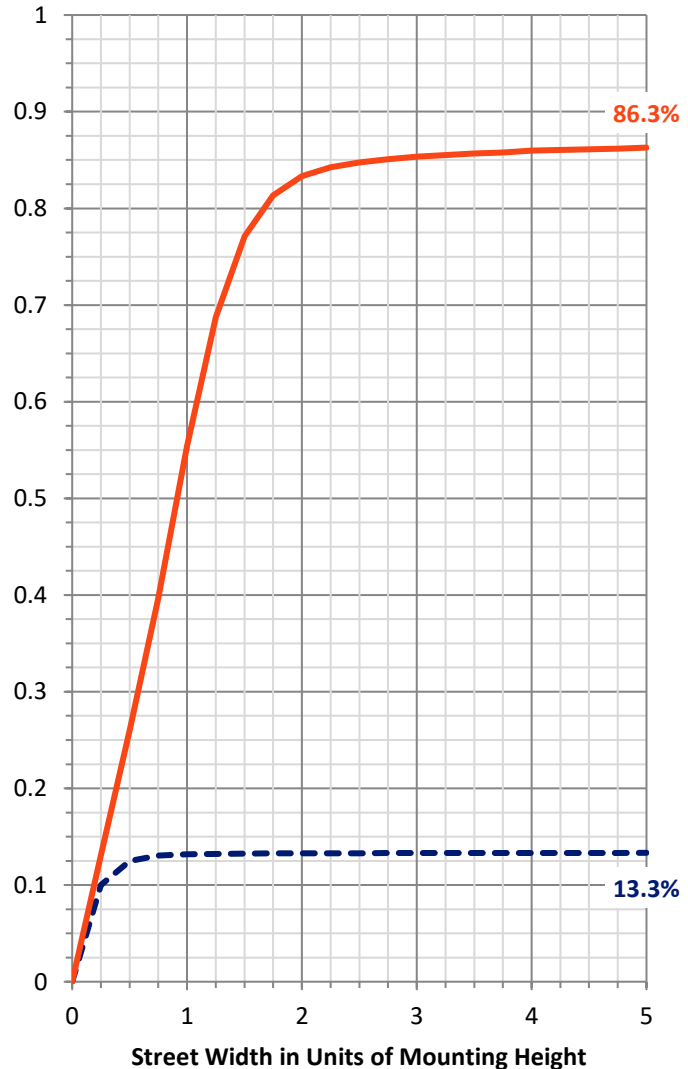
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	830.2	0.0	830.2
	% Fixture	13.5	0.0	13.5
<b>Street Side</b>	Lumens	5309.3	0.0	5309.3
	% Fixture	86.5	0.0	86.5
<b>Total</b>	Lumens	6139.5	0.0	6139.5
	% 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°	230.4	3.8
30°-40°	530.8	8.6
40°-50°	1164.3	19.0
50°-60°	1709.3	27.8
60°-70°	1484.7	24.2
70°-80°	736.1	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°	6139.5	100.0
0°-180°	6139.5	100.0

**Coefficient of Utilization**



REPORT NUMBER: P561068

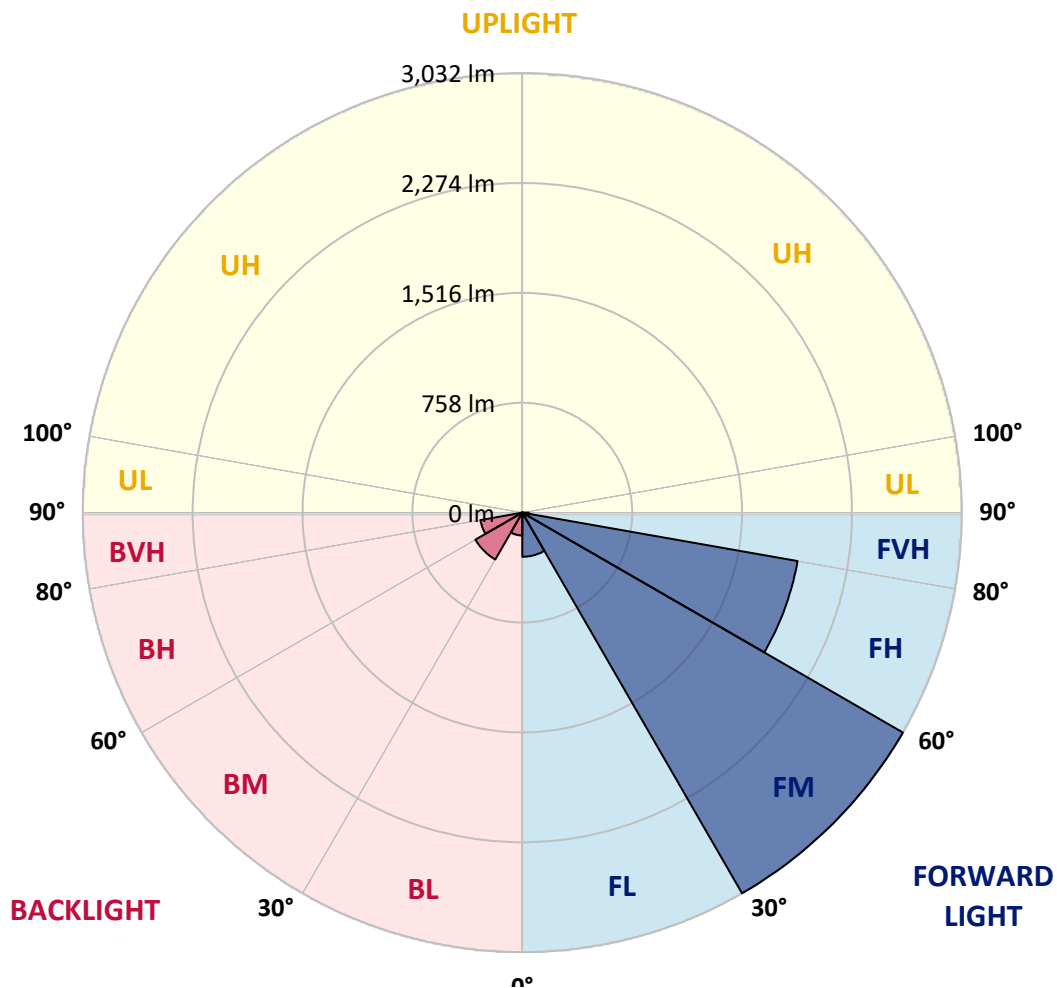
CATALOG NUMBER: SDL-PA1-80-730-U-T2U-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	304.3	5.0			
FM (30°-60°)	3031.5	49.4			
FH (60°-80°)	1927.5	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°)	372.9	6.1	B1/1000		
BH (60°-80°)	293.3	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





REPORT NUMBER: P561068  
 CATALOG NUMBER: SDL-PA1-80-730-U-T2U-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9
2.5°	860.7	931.9	953.6	975.2	993.8	1012.4	1015.5	1018.6	1024.8	1027.9	1031.0
5°	842.1	845.2	845.2	842.1	845.2	848.3	848.3	848.3	848.3	848.3	851.4
7.5°	674.9	755.4	780.2	801.9	814.2	823.5	829.7	832.8	835.9	839.0	842.1
10°	814.2	811.2	814.2	814.2	817.3	817.3	746.1	674.9	699.7	721.4	684.2
12.5°	647.1	712.1	739.9	767.8	786.4	801.9	770.9	736.8	671.8	603.7	606.8
15°	780.2	780.2	780.2	780.2	721.4	659.4	619.2	575.9	609.9	640.9	579.0
17.5°	628.5	628.5	684.2	739.9	739.9	736.8	696.6	653.3	566.6	479.9	557.3
20°	777.1	777.1	780.2	783.3	681.1	579.0	613.0	644.0	656.4	668.7	640.9
22.5°	634.7	634.7	644.0	650.2	687.3	724.5	625.4	526.3	606.8	687.3	631.6
25°	820.4	823.5	829.7	832.8	739.9	644.0	687.3	730.7	644.0	557.3	644.0
27.5°	743.0	730.7	730.7	727.6	758.5	786.4	724.5	662.5	718.3	774.0	709.0
30°	1043.4	1034.1	1021.7	1009.3	891.6	774.0	777.1	777.1	755.4	733.8	770.9
32.5°	1445.8	1430.4	1325.1	1219.8	1133.1	1046.4	956.7	866.9	897.8	925.7	907.1
35°	1941.2	1941.2	1842.1	1743.0	1548.0	1353.0	1201.2	1046.4	1034.1	1021.7	1040.3
37.5°	2529.4	2467.5	2349.9	2232.2	1990.7	1746.1	1513.9	1281.7	1253.9	1222.9	1192.0
40°	2966.0	2956.7	2866.9	2777.1	2479.9	2182.7	1910.2	1634.7	1544.9	1452.0	1383.9
42.5°	3421.1	3387.0	3315.8	3241.5	2941.2	2637.8	2346.8	2052.6	1928.8	1805.0	1684.2
45°	3749.3	3740.0	3678.0	3616.1	3371.5	3123.9	2820.5	2514.0	2433.5	2353.0	2127.0
47.5°	3953.6	3901.0	3876.2	3848.3	3637.8	3427.3	3170.3	2910.2	2897.9	2882.4	2597.5
50°	3891.7	3845.2	3851.4	3857.6	3755.4	3653.3	3458.2	3260.1	3294.1	3328.2	3092.9
52.5°	3563.5	3523.2	3579.0	3631.6	3628.5	3625.4	3554.2	3479.9	3603.7	3724.5	3563.5
55°	2907.1	2935.0	3046.5	3157.9	3232.2	3303.4	3405.6	3504.7	3740.0	3972.2	3941.2
57.5°	2278.7	2340.6	2455.1	2566.6	2687.3	2805.0	3021.7	3238.4	3634.7	4027.9	4164.1
60°	1529.4	1569.7	1770.9	1969.1	2080.5	2192.0	2427.3	2659.5	3198.2	3733.8	4089.8
62.5°	950.5	972.1	1086.7	1201.2	1427.3	1653.3	1770.9	1885.5	2467.5	3046.5	3705.9
65°	585.1	579.0	625.4	668.7	891.6	1111.5	1188.9	1263.2	1650.2	2034.1	3058.8
67.5°	349.8	346.8	371.5	396.3	498.5	600.6	721.4	842.1	978.3	1111.5	2266.3
70°	284.8	291.0	300.3	309.6	337.5	365.3	476.8	588.2	585.1	582.0	1362.2
72.5°	238.4	244.6	263.2	278.6	300.3	318.9	383.9	445.8	418.0	390.1	650.2
75°	176.5	179.6	204.3	226.0	260.1	291.0	306.5	318.9	306.5	294.1	328.2
77.5°	117.6	117.6	139.3	161.0	195.0	229.1	247.7	266.3	244.6	222.9	232.2
80°	74.3	74.3	86.7	96.0	130.0	164.1	185.8	207.4	188.9	167.2	164.1
82.5°	43.3	46.4	52.6	58.8	80.5	102.2	117.6	133.1	154.8	173.4	139.3
85°	18.6	21.7	27.9	31.0	43.3	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



REPORT NUMBER: P561068

CATALOG NUMBER: SDL-PA1-80-730-U-T2U-HSS

**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9
2.5°	1031.0	1027.9	1024.8	1024.8	1024.8	1021.7	1018.6	1018.6	1018.6	1015.5	1012.4
5°	851.4	928.8	1006.2	1009.3	1015.5	1012.4	1009.3	1006.2	1003.1	1000.0	993.8
7.5°	842.1	835.9	829.7	808.1	882.4	882.4	879.3	879.3	873.1	848.3	823.5
10°	644.0	640.9	634.7	644.0	659.4	712.1	761.6	758.5	749.2	690.4	631.6
12.5°	609.9	619.2	628.5	597.5	538.7	588.2	637.8	631.6	625.4	572.8	517.0
15°	517.0	523.2	529.4	579.0	668.7	715.2	758.5	752.3	746.1	684.2	619.2
17.5°	634.7	609.9	585.1	619.2	588.2	609.9	631.6	606.8	588.2	563.5	538.7
20°	609.9	544.9	479.9	579.0	693.5	730.7	767.8	758.5	739.9	681.1	619.2
22.5°	572.8	637.8	699.7	668.7	613.0	579.0	544.9	529.4	517.0	520.1	523.2
25°	727.6	644.0	557.3	705.9	795.7	808.1	817.3	789.5	758.5	693.5	625.4
27.5°	640.9	702.8	761.6	820.4	851.4	860.7	866.9	907.1	842.1	755.4	668.7
30°	808.1	860.7	913.3	1043.4	1148.6	1167.2	1185.8	1139.3	1086.7	981.4	876.2
32.5°	888.6	1009.3	1126.9	1188.9	1232.2	1247.7	1263.2	1201.2	1142.4	1006.2	866.9
35°	1055.7	1145.5	1235.3	1306.5	1390.1	1393.2	1396.3	1328.2	1253.9	1055.7	857.6
37.5°	1157.9	1275.6	1390.1	1470.6	1600.6	1591.3	1582.1	1501.6	1411.8	1133.1	854.5
40°	1312.7	1464.4	1613.0	1690.4	1848.3	1820.4	1792.6	1699.7	1600.6	1216.7	832.8
42.5°	1563.5	1724.5	1885.5	1950.5	2123.9	2092.9	2058.8	1935.0	1808.1	1284.8	761.6
45°	1897.8	2043.4	2188.9	2303.4	2439.6	2390.1	2340.6	2207.4	2021.7	1343.7	665.6
47.5°	2309.6	2418.0	2526.3	2752.3	2851.4	2752.3	2650.2	2489.2	2253.9	1393.2	532.5
50°	2857.6	2882.4	2904.0	3185.8	3284.9	3133.1	2981.4	2774.0	2492.3	1448.9	402.5
52.5°	3399.4	3353.0	3303.4	3606.8	3644.0	3442.7	3238.4	3021.7	2668.7	1479.9	287.9
55°	3910.2	3845.2	3777.1	3993.8	3969.1	3702.8	3436.6	3173.4	2777.1	1489.2	201.2
57.5°	4300.3	4260.1	4216.7	4315.8	4222.9	3910.2	3597.5	3334.4	2857.6	1504.7	148.6
60°	4442.8	4532.5	4622.3	4609.9	4439.7	4108.4	3777.1	3498.5	2907.1	1510.8	111.5
62.5°	4365.4	4656.4	4944.3	4826.7	4619.2	4269.4	3916.4	3647.1	2928.8	1507.8	86.7
65°	4083.6	4644.0	5201.3	5006.2	4746.2	4396.3	4046.5	3805.0	2953.6	1510.8	68.1
67.5°	3418.0	4346.8	5272.5	5148.6	4851.4	4479.9	4105.3	3910.2	2941.2	1498.5	55.7
70°	2139.3	3538.7	4938.1	5034.1	4851.4	4442.8	4034.1	3879.3	2829.7	1436.5	43.3
72.5°	907.1	2498.5	4089.8	4507.8	4634.7	4238.4	3842.1	3650.2	2591.4	1312.7	34.1
75°	359.1	1436.5	2514.0	3176.5	3566.6	3399.4	3229.1	2972.2	1699.7	863.8	24.8
77.5°	241.5	656.4	1071.2	1560.4	1860.7	1925.7	1990.7	1696.6	678.0	349.8	18.6
80°	161.0	263.2	365.3	560.4	668.7	631.6	591.3	486.1	207.4	111.5	15.5
82.5°	102.2	136.2	170.3	192.0	198.1	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





REPORT NUMBER: P561068

CATALOG NUMBER: SDL-PA1-80-730-U-T2U-HSS

**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9	1027.9
2.5°	1012.4	1012.4	1009.3	1006.2	1006.2	1003.1	972.1	938.1	907.1	873.1	870.0
5°	953.6	910.2	870.0	829.7	823.5	814.2	814.2	811.2	811.2	808.1	808.1
7.5°	817.3	811.2	805.0	798.8	795.7	789.5	786.4	780.2	777.1	770.9	736.8
10°	619.2	603.7	603.7	600.6	606.8	613.0	609.9	603.7	644.0	684.2	681.1
12.5°	551.1	582.0	554.2	523.2	532.5	538.7	548.0	557.3	554.2	548.0	501.6
15°	554.2	486.1	464.4	439.6	452.0	461.3	380.8	297.2	281.7	266.3	247.7
17.5°	517.0	495.4	479.9	461.3	352.9	241.5	216.7	192.0	170.3	145.5	142.4
20°	523.2	424.2	396.3	365.3	281.7	198.1	151.7	105.3	92.9	80.5	92.9
22.5°	510.8	495.4	362.2	229.1	170.3	111.5	92.9	71.2	77.4	83.6	83.6
25°	479.9	334.4	260.1	185.8	130.0	71.2	74.3	74.3	68.1	58.8	65.0
27.5°	520.1	368.4	235.3	99.1	86.7	71.2	65.0	55.7	55.7	55.7	52.6
30°	600.6	322.0	201.2	80.5	68.1	55.7	52.6	49.5	46.4	40.2	43.3
32.5°	569.7	272.4	170.3	68.1	58.8	49.5	43.3	37.2	37.2	37.2	37.2
35°	517.0	173.4	117.6	58.8	49.5	40.2	37.2	31.0	31.0	31.0	31.0
37.5°	483.0	111.5	80.5	46.4	40.2	34.1	31.0	24.8	24.8	24.8	27.9
40°	455.1	77.4	58.8	40.2	34.1	24.8	21.7	18.6	21.7	21.7	21.7
42.5°	414.9	65.0	49.5	34.1	27.9	21.7	18.6	15.5	18.6	18.6	18.6
45°	362.2	58.8	43.3	27.9	24.8	18.6	15.5	12.4	15.5	15.5	15.5
47.5°	291.0	49.5	37.2	24.8	21.7	15.5	15.5	12.4	12.4	12.4	12.4
50°	226.0	46.4	34.1	21.7	18.6	12.4	12.4	9.3	12.4	12.4	12.4
52.5°	164.1	40.2	31.0	18.6	15.5	9.3	9.3	9.3	9.3	9.3	9.3
55°	117.6	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°	43.3	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



REPORT NUMBER: P561068  
 CATALOG NUMBER: SDL-PA1-80-730-U-T2U-HSS

**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	1027.9	1027.9	1027.9	1027.9
2.5°	863.8	870.0	873.1	866.9
5°	805.0	805.0	801.9	811.2
7.5°	699.7	681.1	659.4	644.0
10°	674.9	659.4	644.0	647.1
12.5°	452.0	405.6	359.1	374.6
15°	229.1	216.7	204.3	204.3
17.5°	136.2	123.8	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	46.4	43.3
30°	43.3	43.3	43.3	40.2
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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1121 Highway 74 South  
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(END OF REPORT)