

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: P561059

Luminaire Tested: **SDL-PA1-80-730-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561059
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-13)
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-SL3-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS, HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6673 lumens
Efficiency: N/A
Efficacy: 81.4 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: B1 - U3 - G3

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

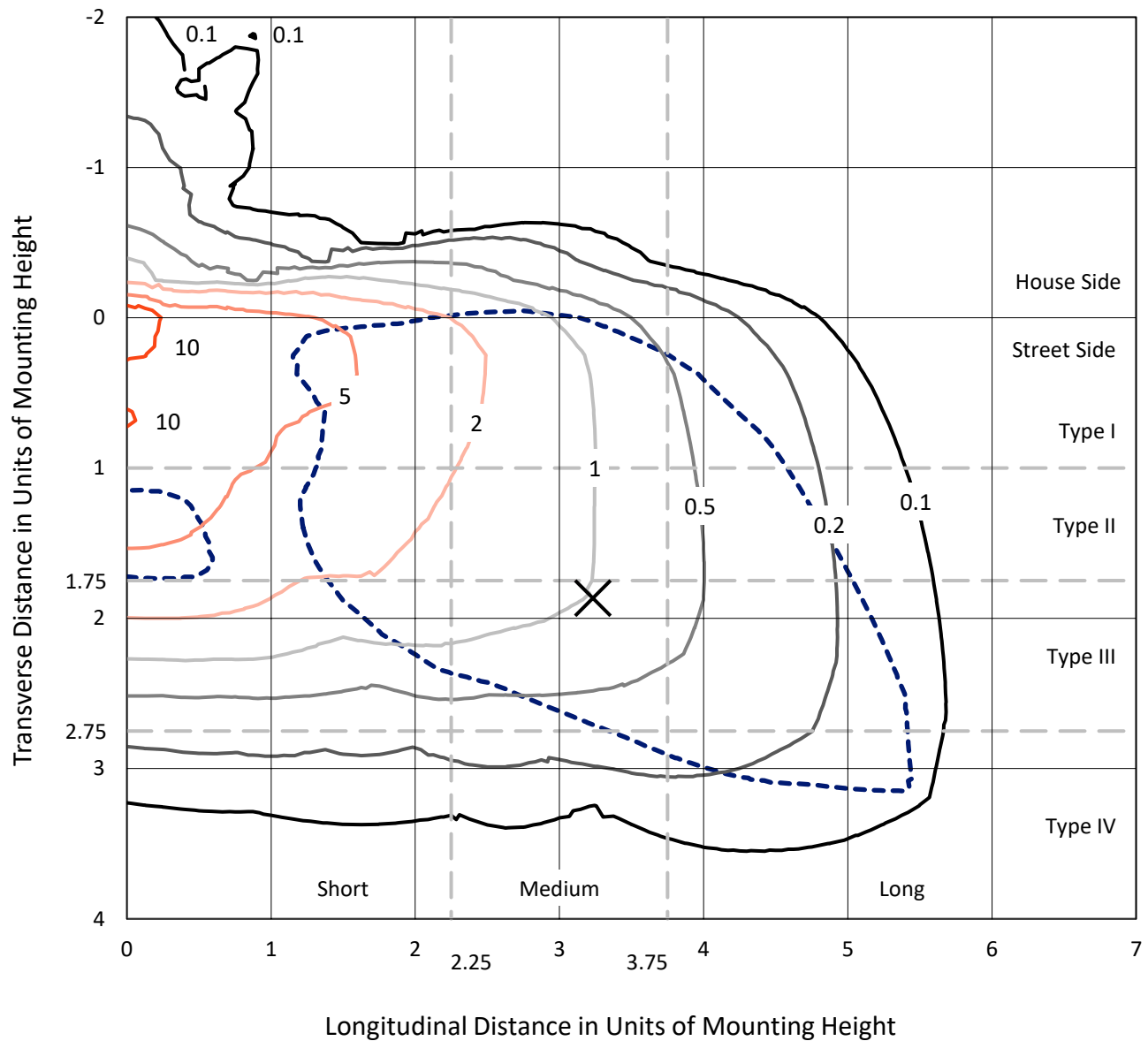


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Iso-Footcandle Lines of Horizontal Illumination

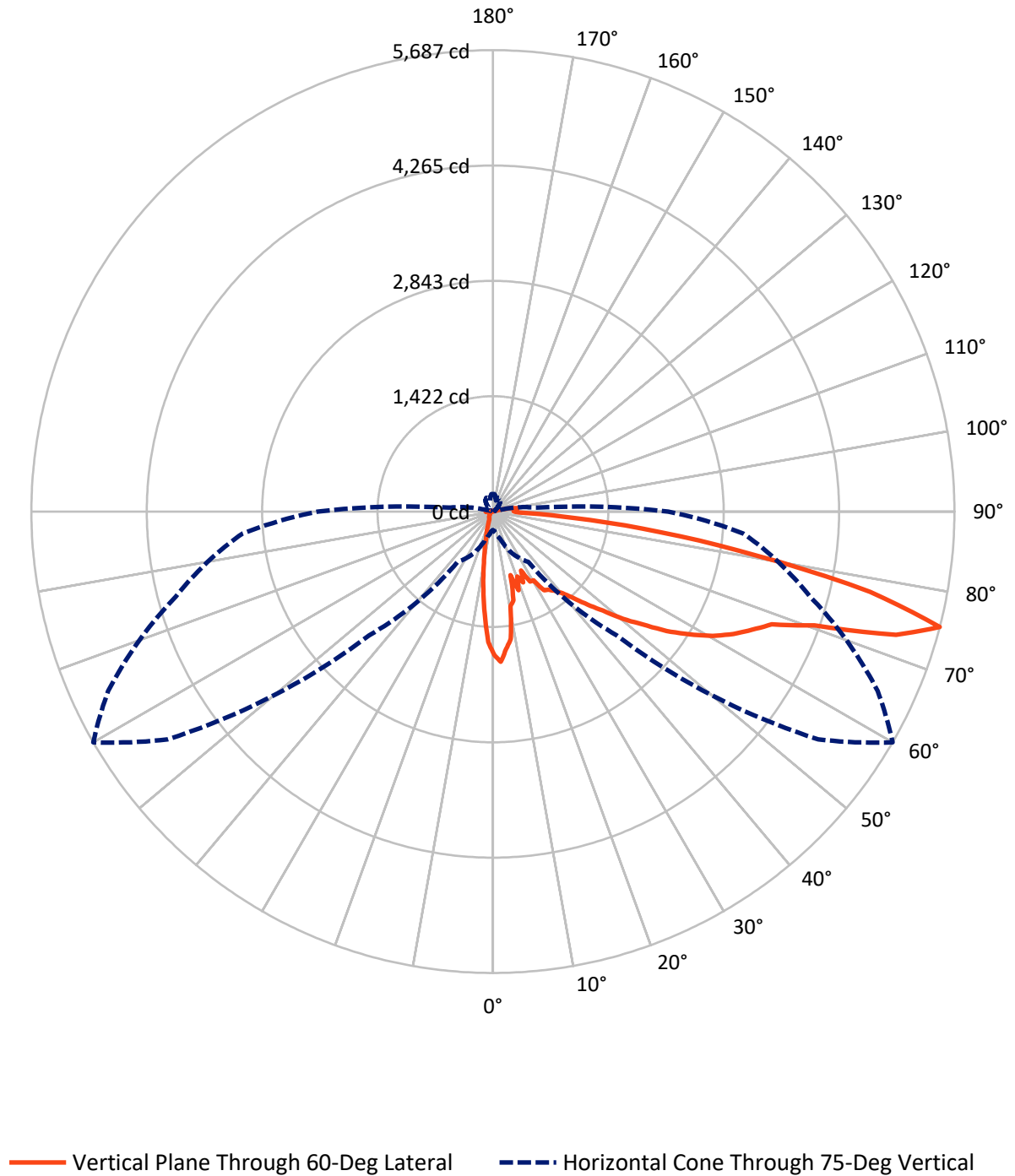
× Max cd
 --- 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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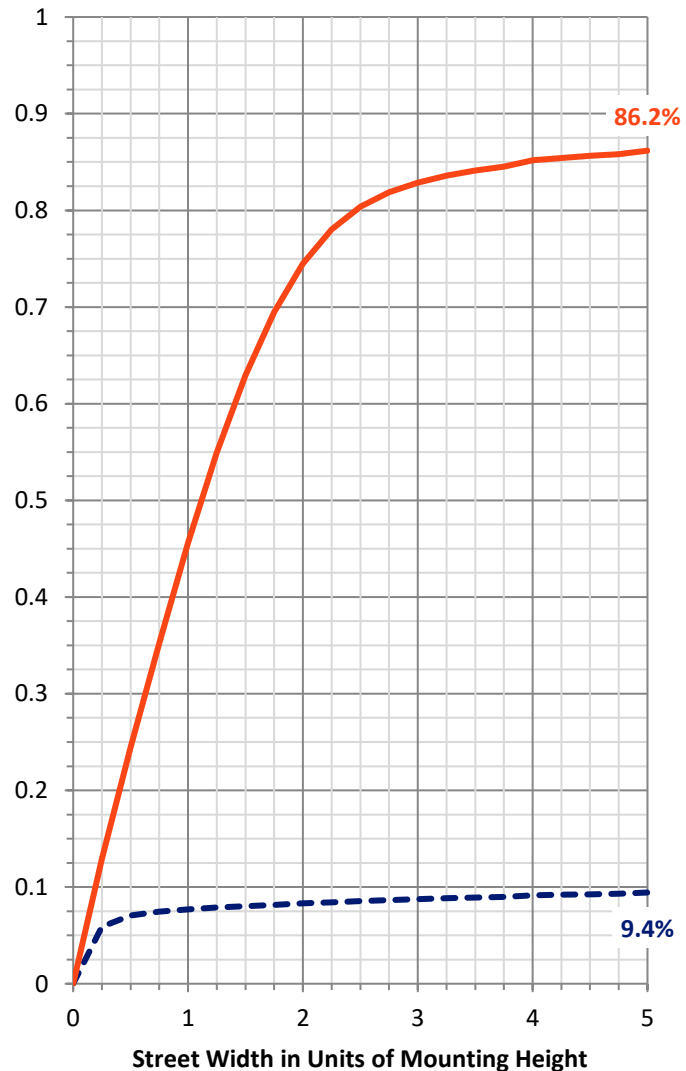
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	689.6	89.9	779.5
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	5799.4	94.0	5893.4
	% Fixture	86.9	1.4	88.3
Total	Lumens	6489.0	184.0	6673.0
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.4	1.8
10°-20°	200.8	3.0
20°-30°	283.8	4.3
30°-40°	510.2	7.6
40°-50°	859.6	12.9
50°-60°	1337.0	20.0
60°-70°	1577.7	23.6
70°-80°	1279.8	19.2
80°-90°	317.8	4.8
90°-100°	128.3	1.9
100°-110°	29.7	0.4
110°-120°	9.3	0.1
120°-130°	8.3	0.1
130°-140°	4.4	0.1
140°-150°	2.1	0.0
150°-160°	1.8	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6489.0	97.2
0°-180°	6673.0	100.0



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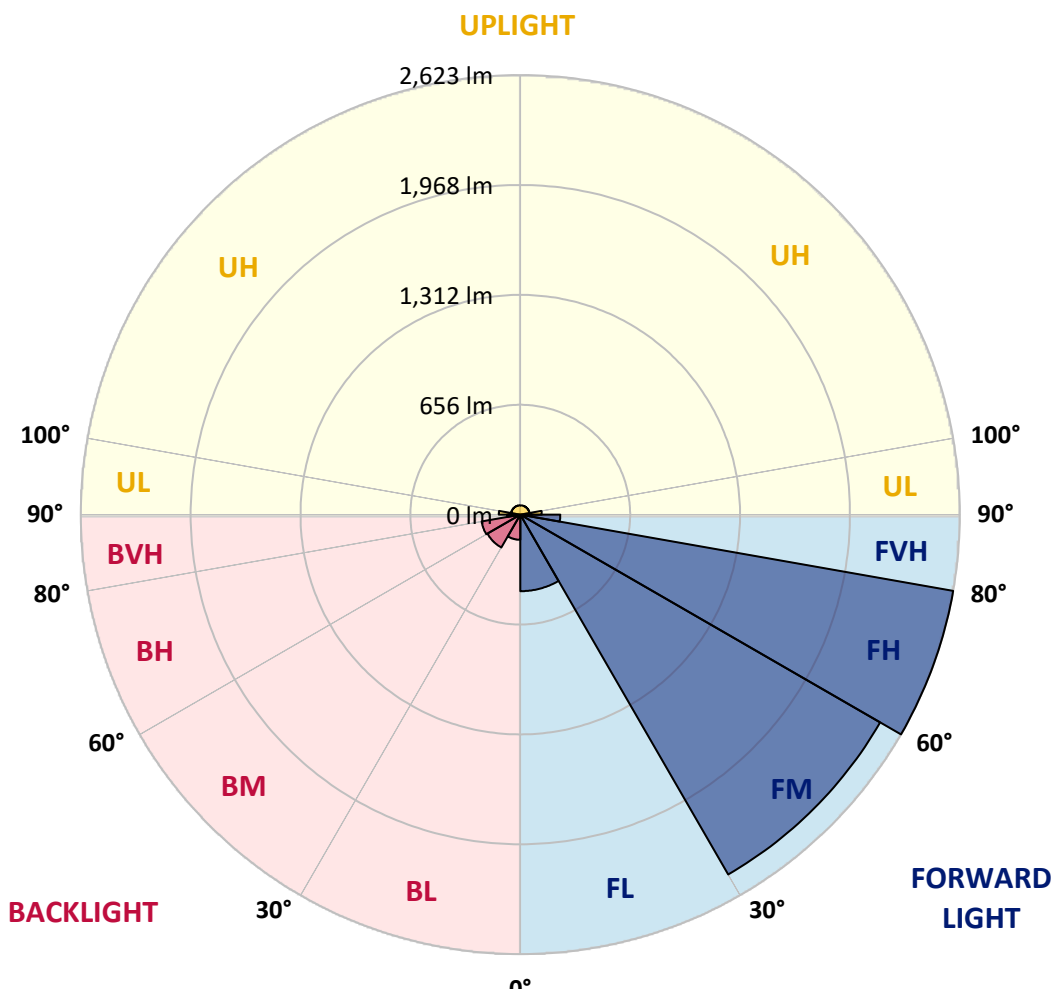
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	457.1	6.8			
FM	(30°-60°)	2480.0	37.2			
FH	(60°-80°)	2623.4	39.3			G2/5000
FVH	(80°-90°)	238.9	3.6			G3/500
BL	(0°-30°)	150.0	2.2	B1/500		
BM	(30°-60°)	226.7	3.4	B1/1000		
BH	(60°-80°)	234.1	3.5	B1/500		G1/500
BVH	(80°-90°)	78.9	1.2			G1/100
UL	(90°-100°)	128.3	1.9		U3/500	
UH	(100°-180°)	55.7	0.8		U3/500	

BUG Rating: B1-U3-G3

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9
2.5°	1659.1	1785.5	1748.5	1865.7	1881.1	1874.9	1868.8	1853.4	1837.9	1810.2	1767.0
5°	1591.2	1603.6	1594.3	1615.9	1619.0	1628.2	1612.8	1699.2	1844.1	1807.1	1739.3
7.5°	1307.5	1437.0	1452.5	1492.6	1529.6	1566.6	1588.2	1585.1	1400.0	1572.7	1495.6
10°	1335.3	1353.8	1350.7	1378.5	1347.6	1295.2	1181.1	1184.2	1184.2	1221.2	1261.3
12.5°	1057.7	1113.3	1248.9	1292.1	1199.6	1091.7	1100.9	1122.5	1137.9	965.2	1063.9
15°	1199.6	1202.7	1205.8	1205.8	903.6	1033.1	900.5	814.1	931.3	1141.0	1159.5
17.5°	940.6	931.3	1085.5	1073.2	996.1	767.9	999.1	1020.7	980.6	959.1	965.2
20°	1104.0	1104.0	1094.7	872.7	919.0	989.9	857.3	854.2	903.6	1122.5	1134.8
22.5°	894.3	885.0	934.4	971.4	872.7	943.6	845.0	949.8	1051.6	993.0	811.0
25°	1119.4	1119.4	1082.4	841.9	903.6	811.0	937.5	804.9	894.3	1215.0	1156.4
27.5°	1036.2	1008.4	922.1	956.0	811.0	943.6	863.5	977.6	1033.1	1258.2	1347.6
30°	1338.4	1329.1	1230.4	962.1	922.1	866.5	928.2	983.7	1190.3	1631.3	1557.3
32.5°	1785.5	1736.2	1400.0	1190.3	968.3	1026.9	989.9	1156.4	1307.5	1668.3	1578.9
35°	1905.8	1868.8	1708.4	1446.3	1085.5	1085.5	1063.9	1181.1	1341.5	1748.5	1625.2
37.5°	1945.9	1942.8	1887.3	1582.0	1245.9	1248.9	1125.6	1239.7	1409.3	1856.4	1693.0
40°	1970.5	1976.7	2032.2	1723.8	1415.5	1409.3	1239.7	1322.9	1514.1	1973.6	1816.4
42.5°	2075.4	2109.3	2177.2	1881.1	1575.8	1578.9	1378.5	1455.6	1652.9	2167.9	1986.0
45°	2309.8	2319.0	2359.1	2097.0	1726.9	1748.5	1554.2	1634.4	1822.5	2380.7	2177.2
47.5°	2664.4	2664.4	2596.6	2266.6	1905.8	1936.6	1739.3	1822.5	2023.0	2692.2	2399.2
50°	2978.9	2954.3	2806.3	2467.0	2050.7	2118.6	1982.9	2078.5	2192.6	2929.6	2676.7
52.5°	3176.3	3167.1	2985.1	2602.7	2204.9	2319.0	2183.3	2306.7	2389.9	3176.3	2926.5
55°	3148.6	3148.6	3031.4	2673.7	2346.8	2501.0	2442.4	2596.6	2627.4	3410.7	3108.5
57.5°	3043.7	3059.1	3003.6	2701.4	2374.5	2673.7	2707.6	2852.5	2904.9	3546.4	3222.6
60°	2830.9	2861.8	2920.4	2738.4	2482.5	2867.9	2978.9	3108.5	3207.1	3648.1	3318.2
62.5°	2433.1	2473.2	2679.8	2735.3	2565.7	3068.4	3210.2	3324.3	3416.8	3703.6	3386.0
65°	1844.1	1918.1	2217.2	2538.0	2559.6	3302.7	3398.3	3509.4	3598.8	3759.1	3561.8
67.5°	1178.0	1181.1	1504.9	2097.0	2386.9	3632.7	3651.2	3706.7	3765.3	3913.3	3811.6
70°	607.5	638.3	792.5	1338.4	1955.1	3700.6	4283.4	4203.2	4113.8	4249.5	4135.4
72.5°	404.0	437.9	521.2	721.6	1227.4	3336.7	4971.1	5193.1	4798.4	4499.3	3851.7
75°	228.2	246.7	348.5	570.5	758.6	2155.6	4894.0	5686.5	5230.1	4042.9	3096.1
77.5°	101.8	107.9	157.3	447.2	650.7	1051.6	3851.7	4752.1	4570.2	3370.6	2232.7
80°	55.5	55.5	74.0	206.6	552.0	792.5	2556.5	3308.9	3108.5	2032.2	1014.6
82.5°	30.8	33.9	43.2	98.7	336.1	724.7	1615.9	2075.4	1640.6	558.2	410.1
85°	12.3	12.3	18.5	52.4	123.4	613.7	885.0	986.8	663.0	283.7	317.6
87.5°	6.2	6.2	6.2	18.5	40.1	157.3	289.9	311.5	243.6	225.1	274.5
90°	9.3	9.3	6.2	6.2	27.8	166.5	243.6	256.0	200.4	225.1	277.5
92.5°	12.3	9.3	6.2	6.2	21.6	166.5	277.5	274.5	200.4	225.1	286.8
95°	15.4	12.3	6.2	6.2	21.6	148.0	333.0	299.1	215.9	228.2	302.2
97.5°	15.4	15.4	6.2	6.2	21.6	114.1	351.6	302.2	188.1	148.0	206.6
100°	18.5	18.5	6.2	6.2	24.7	67.8	243.6	225.1	132.6	49.3	58.6
102.5°	21.6	21.6	6.2	6.2	15.4	33.9	117.2	114.1	74.0	12.3	21.6
105°	21.6	24.7	6.2	6.2	6.2	15.4	43.2	52.4	37.0	12.3	21.6
107.5°	24.7	27.8	6.2	6.2	6.2	9.3	18.5	18.5	12.3	12.3	21.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	18.5	18.5	3.1	6.2	6.2	6.2	3.1	6.2	6.2	9.3	18.5
115°	9.3	6.2	3.1	6.2	3.1	6.2	3.1	6.2	9.3	9.3	21.6
117.5°	3.1	3.1	3.1	3.1	3.1	6.2	3.1	6.2	6.2	15.4	27.8
120°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	6.2	21.6	33.9
122.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	6.2	21.6	40.1
125°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	6.2	15.4	37.0
127.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	6.2	15.4	30.8
130°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	6.2	12.3	27.8
132.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	12.3	21.6
135°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	15.4
137.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2
140°	3.1	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
142.5°	3.1	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
145°	3.1	3.1	3.1	3.1	6.2	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	3.1	3.1	3.1	6.2	6.2	3.1	3.1	3.1	3.1	3.1	3.1
150°	12.3	12.3	12.3	9.3	6.2	3.1	9.3	6.2	3.1	3.1	3.1
152.5°	9.3	9.3	15.4	6.2	3.1	3.1	3.1	9.3	9.3	3.1	3.1
155°	9.3	9.3	6.2	3.1	3.1	3.1	3.1	3.1	3.1	9.3	12.3
157.5°	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1	3.1	6.2	3.1
160°	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9	1763.9
2.5°	1751.6	1733.1	1683.8	1637.5	1582.0	1548.1	1430.9	1298.3	1270.5	1264.4	1242.8
5°	1708.4	1668.3	1572.7	1369.2	1165.7	1073.2	1030.0	996.1	949.8	940.6	928.2
7.5°	1449.4	1381.5	1233.5	983.7	952.9	866.5	795.6	737.0	610.6	576.7	558.2
10°	1205.8	1147.2	841.9	715.4	650.7	585.9	508.8	450.2	397.8	373.1	363.9
12.5°	974.5	915.9	629.1	567.4	404.0	333.0	289.9	240.5	200.4	178.9	178.9
15°	1079.3	983.7	650.7	404.0	265.2	197.4	144.9	129.5	151.1	154.2	154.2
17.5°	882.0	786.4	511.9	314.5	194.3	107.9	117.2	132.6	144.9	126.4	129.5
20°	1014.6	882.0	515.0	237.5	123.4	104.8	107.9	98.7	132.6	135.7	135.7
22.5°	767.9	693.9	388.6	188.1	95.6	98.7	92.5	111.0	123.4	107.9	104.8
25°	993.0	817.2	394.7	120.3	95.6	80.2	95.6	86.3	114.1	117.2	117.2
27.5°	1137.9	915.9	345.4	104.8	80.2	86.3	77.1	89.4	86.3	86.3	86.3
30°	1292.1	999.1	336.1	101.8	77.1	70.9	74.0	70.9	83.3	86.3	86.3
32.5°	1292.1	956.0	256.0	101.8	74.0	67.8	58.6	64.8	67.8	74.0	77.1
35°	1301.4	919.0	188.1	92.5	67.8	58.6	52.4	52.4	58.6	61.7	61.7
37.5°	1329.1	894.3	144.9	86.3	61.7	52.4	43.2	46.3	80.2	89.4	89.4
40°	1406.2	894.3	123.4	80.2	55.5	46.3	37.0	58.6	67.8	80.2	80.2
42.5°	1526.5	906.6	117.2	77.1	49.3	40.1	30.8	46.3	83.3	95.6	98.7
45°	1652.9	931.3	111.0	74.0	46.3	33.9	37.0	55.5	64.8	86.3	86.3
47.5°	1828.7	983.7	107.9	70.9	43.2	27.8	33.9	55.5	70.9	92.5	92.5
50°	2019.9	1039.2	101.8	67.8	37.0	24.7	52.4	46.3	58.6	95.6	95.6
52.5°	2217.2	1104.0	98.7	64.8	33.9	33.9	58.6	55.5	70.9	92.5	95.6
55°	2389.9	1156.4	92.5	64.8	30.8	30.8	61.7	55.5	64.8	86.3	89.4
57.5°	2473.2	1165.7	89.4	61.7	27.8	30.8	58.6	67.8	58.6	70.9	77.1
60°	2578.1	1190.3	80.2	55.5	24.7	40.1	67.8	89.4	80.2	92.5	98.7
62.5°	2676.7	1208.8	70.9	49.3	21.6	43.2	89.4	107.9	86.3	107.9	120.3
65°	2858.7	1248.9	58.6	40.1	18.5	49.3	101.8	129.5	95.6	126.4	126.4
67.5°	3111.5	1313.7	46.3	33.9	18.5	55.5	104.8	148.0	114.1	138.8	135.7
70°	3210.2	1208.8	40.1	30.8	18.5	64.8	114.1	160.4	120.3	154.2	154.2
72.5°	2800.1	872.7	33.9	30.8	30.8	74.0	141.9	175.8	132.6	194.3	191.2
75°	2161.7	548.9	33.9	30.8	37.0	92.5	160.4	188.1	141.9	215.9	212.8
77.5°	1440.1	259.0	33.9	33.9	43.2	101.8	172.7	200.4	157.3	240.5	237.5
80°	564.3	141.9	37.0	37.0	52.4	107.9	185.0	206.6	163.4	259.0	256.0
82.5°	271.4	98.7	37.0	37.0	70.9	120.3	197.4	215.9	169.6	262.1	259.0
85°	231.3	92.5	33.9	40.1	86.3	151.1	209.7	212.8	172.7	249.8	249.8
87.5°	206.6	89.4	33.9	40.1	117.2	175.8	218.9	209.7	185.0	243.6	243.6
90°	212.8	95.6	37.0	46.3	132.6	178.9	222.0	209.7	178.9	225.1	225.1
92.5°	228.2	101.8	40.1	49.3	132.6	166.5	206.6	188.1	166.5	191.2	188.1
95°	240.5	107.9	43.2	55.5	117.2	129.5	172.7	151.1	138.8	148.0	148.0
97.5°	185.0	83.3	49.3	61.7	89.4	77.1	107.9	98.7	74.0	61.7	61.7
100°	49.3	27.8	52.4	61.7	61.7	52.4	80.2	74.0	49.3	21.6	21.6
102.5°	18.5	18.5	49.3	58.6	49.3	40.1	58.6	55.5	40.1	6.2	6.2
105°	18.5	15.4	30.8	46.3	30.8	21.6	30.8	37.0	24.7	6.2	6.2
107.5°	18.5	15.4	18.5	27.8	12.3	9.3	12.3	12.3	12.3	3.1	6.2



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CATALOG NUMBER: SDL-PA1-80-730-U-SL3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	18.5	15.4	9.3	12.3	9.3	9.3	6.2	6.2	9.3	18.5	18.5
115°	18.5	15.4	9.3	9.3	6.2	9.3	6.2	3.1	9.3	21.6	24.7
117.5°	24.7	15.4	6.2	6.2	6.2	6.2	6.2	3.1	9.3	27.8	30.8
120°	30.8	18.5	6.2	6.2	6.2	3.1	6.2	3.1	12.3	27.8	30.8
122.5°	33.9	21.6	6.2	6.2	6.2	3.1	3.1	6.2	12.3	27.8	27.8
125°	33.9	21.6	6.2	6.2	3.1	3.1	3.1	3.1	12.3	27.8	30.8
127.5°	27.8	18.5	6.2	6.2	3.1	3.1	3.1	3.1	12.3	24.7	27.8
130°	24.7	18.5	6.2	6.2	3.1	3.1	3.1	3.1	12.3	21.6	24.7
132.5°	18.5	15.4	6.2	3.1	3.1	3.1	3.1	3.1	12.3	18.5	21.6
135°	15.4	9.3	6.2	3.1	3.1	3.1	3.1	3.1	9.3	18.5	18.5
137.5°	6.2	6.2	3.1	3.1	3.1	3.1	3.1	3.1	6.2	9.3	9.3
140°	6.2	6.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	6.2
142.5°	3.1	6.2	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1
145°	3.1	6.2	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1
147.5°	3.1	6.2	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1
150°	3.1	6.2	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	6.2
152.5°	3.1	6.2	3.1	3.1	3.1	0.0	0.0	3.1	3.1	3.1	3.1
155°	12.3	9.3	6.2	3.1	3.1	0.0	0.0	0.0	3.1	3.1	3.1
157.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	3.1	3.1	3.1
160°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	3.1	3.1	3.1
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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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110°	24.7	24.7	6.2	6.2	6.2	6.2	6.2	6.2	6.2	12.3	21.6
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110°	18.5	15.4	9.3	12.3	9.3	9.3	9.3	6.2	6.2	12.3	12.3
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(END OF REPORT)