

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: P561063

Luminaire Tested: **SDL-PA1-80-730-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561063
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-17)
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-T2R-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6460.2 lumens
Efficiency: N/A
Efficacy: 78.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B1 - U3 - G2

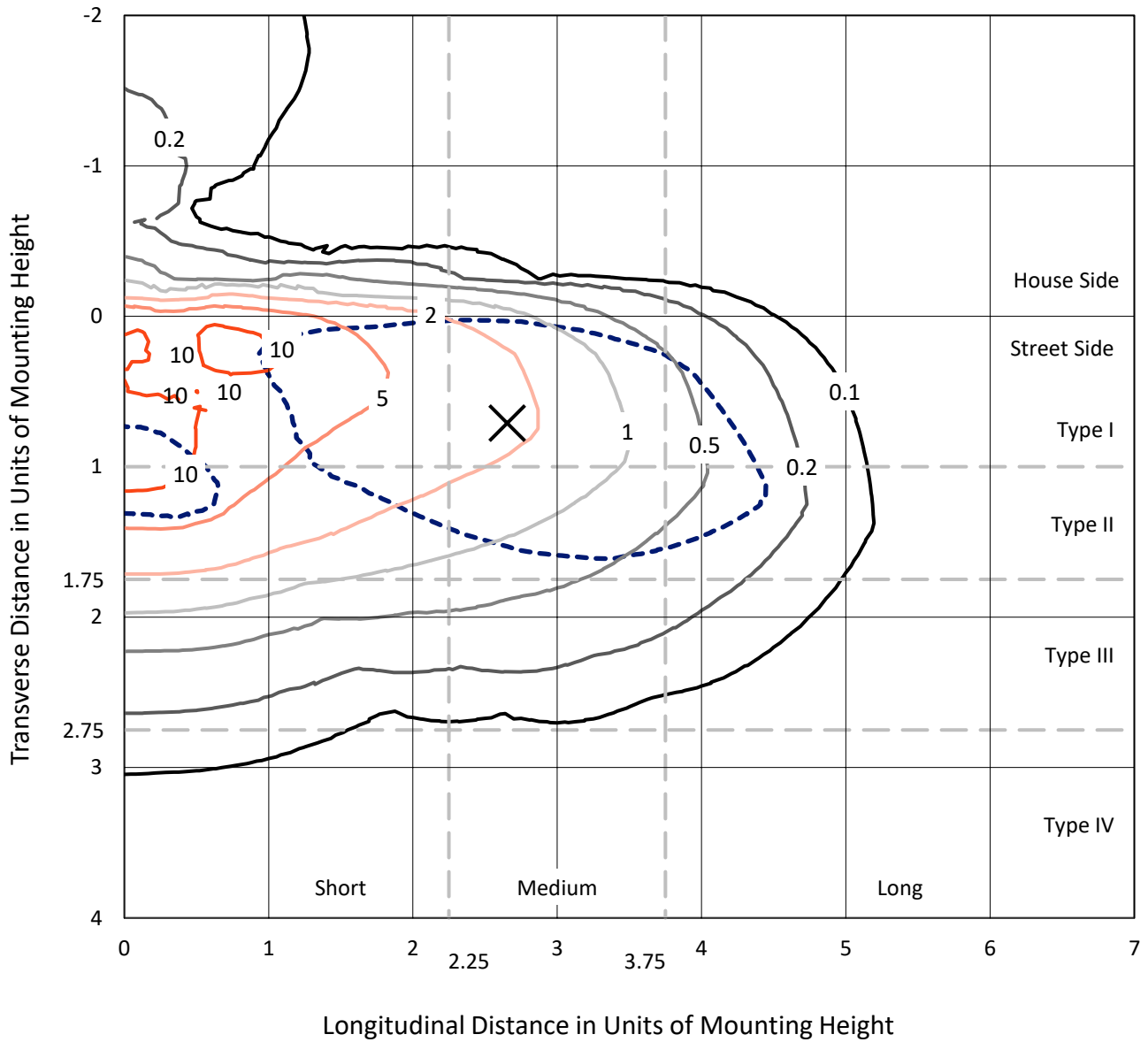
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

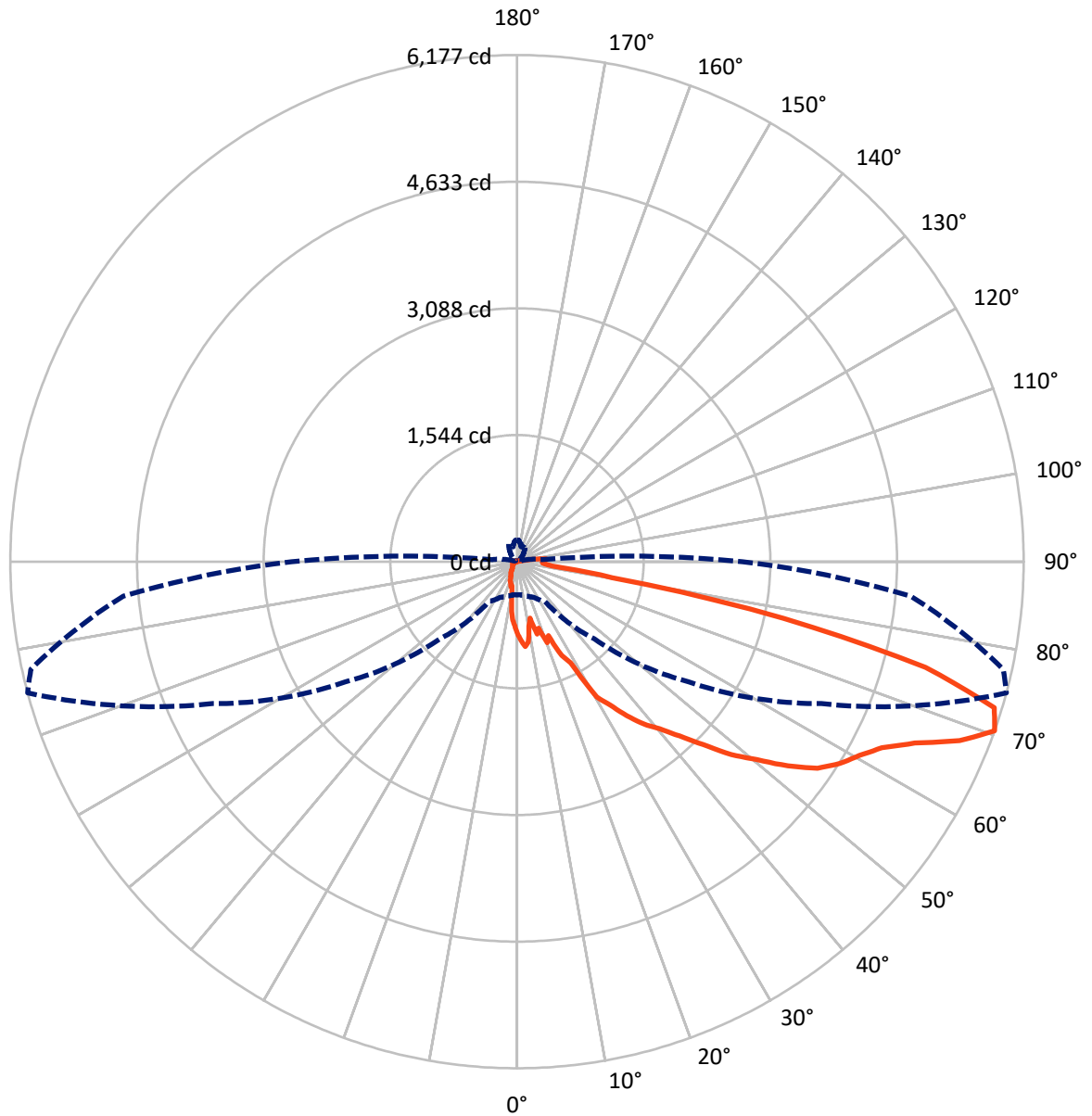
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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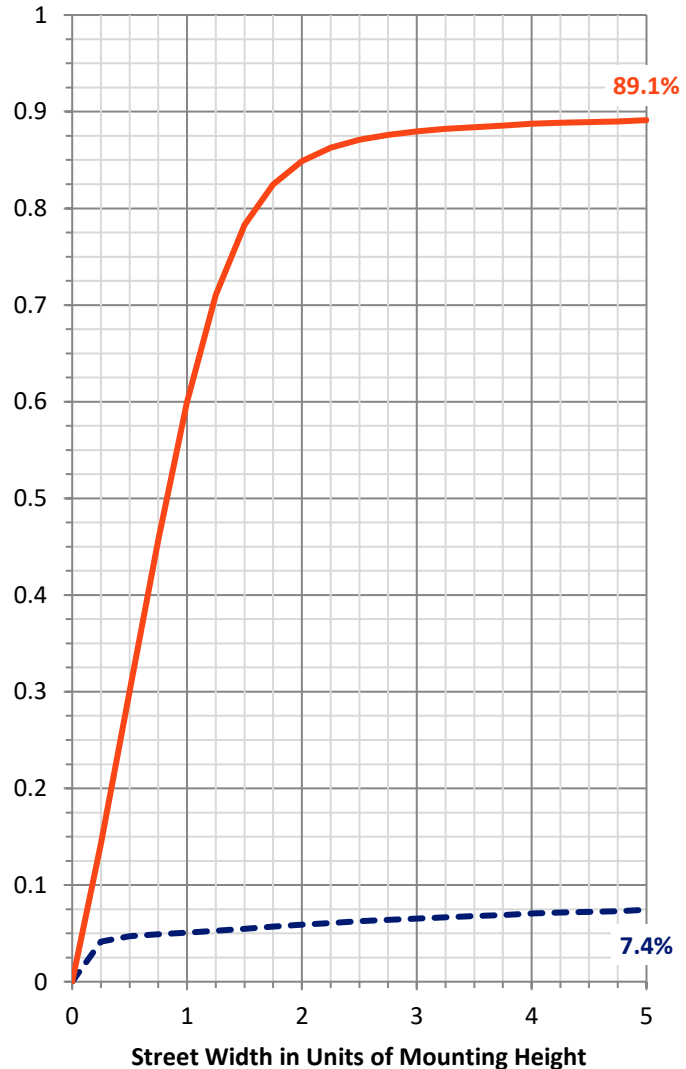
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	526.4	65.4	591.8
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	5786.0	82.4	5868.4
	% Fixture	89.6	1.3	90.8
Total	Lumens	6312.4	147.8	6460.2
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.8	1.1
10°-20°	170.4	2.6
20°-30°	319.7	4.9
30°-40°	717.4	11.1
40°-50°	1180.8	18.3
50°-60°	1447.4	22.4
60°-70°	1355.6	21.0
70°-80°	882.8	13.7
80°-90°	168.6	2.6
90°-100°	96.8	1.5
100°-110°	21.7	0.3
110°-120°	11.1	0.2
120°-130°	9.3	0.1
130°-140°	4.6	0.1
140°-150°	2.3	0.0
150°-160°	1.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6312.4	97.7
0°-180°	6460.2	100.0



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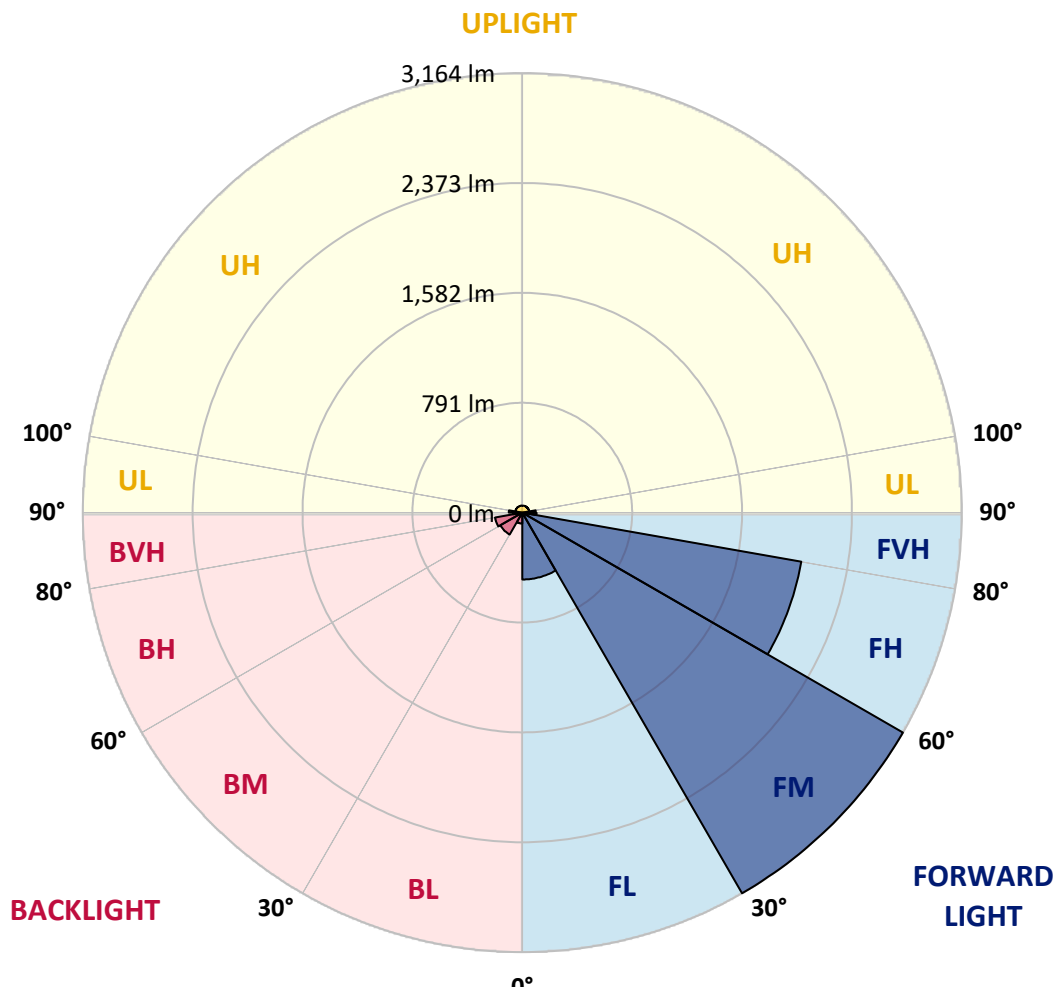
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	481.3	7.4			
FM (30°-60°)	3163.6	49.0			
FH (60°-80°)	2039.1	31.6			G2/5000
FVH (80°-90°)	102.1	1.6			G2/225
BL (0°-30°)	78.6	1.2	B0/110		
BM (30°-60°)	181.9	2.8	B0/220		
BH (60°-80°)	199.3	3.1	B1/500		G1/500
BVH (80°-90°)	66.5	1.0			G1/100
UL (90°-100°)	96.8	1.5		U3/500	
UH (100°-180°)	51.0	0.8		U3/500	

BUG Rating: B1-U3-G2

Type II Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	878.9	878.9	878.9	878.9	878.9	878.9	878.9	878.9	878.9	878.9	878.9
2.5°	980.6	1042.3	1060.8	1091.6	1107.1	1088.6	1054.6	1011.5	965.2	952.9	912.8
5°	1113.2	1100.9	1091.6	1091.6	1073.1	1033.0	996.0	1110.1	1039.2	1023.8	943.6
7.5°	1011.5	1107.1	1178.0	1184.1	1174.9	1144.1	1091.6	974.5	989.9	971.4	872.7
10°	1224.2	1227.3	1215.0	1224.2	1137.9	1094.7	925.1	854.2	798.7	872.7	783.3
12.5°	1014.5	1165.6	1252.0	1282.8	1174.9	1033.0	946.7	909.7	706.2	687.7	709.3
15°	1239.7	1245.8	1255.1	1224.2	952.9	1082.4	878.9	811.0	915.9	891.2	875.8
17.5°	980.6	993.0	1202.7	1190.3	1104.0	857.3	1045.4	931.3	851.1	820.3	798.7
20°	1248.9	1252.0	1248.9	946.7	1030.0	1153.3	983.7	952.9	1054.6	1042.3	986.8
22.5°	1048.5	1048.5	1119.4	1215.0	1082.4	1156.4	1002.2	1187.2	980.6	974.5	733.9
25°	1449.4	1449.4	1400.0	1073.1	1227.3	1088.6	1190.3	1067.0	1267.4	1224.2	1100.9
27.5°	1409.3	1366.1	1289.0	1353.8	1187.2	1363.0	1153.3	1301.3	1396.9	1437.0	1372.3
30°	1958.2	1958.2	1874.9	1449.4	1390.8	1316.8	1332.2	1557.3	1915.0	1921.2	1659.0
32.5°	2652.0	2602.7	2161.7	1868.7	1520.3	1652.9	1504.9	1831.7	2081.5	2072.3	1763.9
35°	2935.7	2920.3	2784.6	2294.3	1760.8	1810.1	1696.0	1936.6	2306.6	2245.0	1890.3
37.5°	3225.6	3200.9	3062.1	2534.8	2013.7	2078.4	1837.9	2090.8	2513.2	2423.8	2029.1
40°	3404.4	3407.5	3308.8	2726.0	2214.1	2248.0	2007.5	2278.9	2679.8	2698.3	2149.4
42.5°	3592.5	3589.5	3509.3	2951.1	2380.6	2423.8	2143.2	2457.7	2904.9	2926.5	2352.9
45°	3694.3	3688.1	3641.9	3105.3	2513.2	2544.1	2352.9	2676.7	3179.3	3173.2	2519.4
47.5°	3719.0	3728.2	3725.1	3256.4	2652.0	2664.3	2541.0	2837.0	3512.4	3444.5	2738.3
50°	3580.2	3586.4	3629.5	3376.7	2753.8	2766.1	2689.0	3019.0	3793.0	3712.8	2935.7
52.5°	3194.7	3231.7	3413.7	3302.7	2796.9	2843.2	2827.8	3157.7	4135.3	4036.6	3179.3
55°	2374.5	2460.8	2877.1	3025.1	2775.4	2846.3	2951.1	3410.6	4446.7	4326.5	3376.7
57.5°	1893.4	1908.8	2155.5	2562.6	2599.6	2830.9	3080.6	3564.8	4641.0	4520.7	3518.5
60°	1495.6	1520.3	1680.6	2007.5	2269.6	2738.3	3117.6	3722.1	4795.2	4693.4	3675.8
62.5°	1159.5	1156.4	1279.7	1498.7	1828.6	2544.1	3068.3	3817.7	4992.5	4915.5	3956.4
65°	807.9	807.9	912.8	1088.6	1384.6	2195.6	2969.6	3953.3	5328.7	5307.1	4304.9
67.5°	552.0	564.3	635.2	721.6	949.8	1785.5	2821.6	4092.1	5819.0	5717.2	4641.0
70°	404.0	404.0	431.7	478.0	592.1	1332.2	2556.4	4095.2	6176.7	6071.9	4816.8
72.5°	299.1	299.1	320.7	342.3	373.1	885.0	2096.9	3836.2	6084.2	5917.7	4459.1
75°	157.3	157.3	243.6	252.9	249.8	573.6	1548.0	3151.6	5143.7	4866.1	3490.8
77.5°	123.3	126.4	138.8	197.4	181.9	376.2	863.4	1939.7	3324.3	2985.0	1890.3
80°	89.4	86.3	107.9	126.4	107.9	218.9	407.1	851.1	1178.0	1020.7	622.9
82.5°	52.4	55.5	64.8	92.5	92.5	154.2	265.2	373.1	422.5	419.4	373.1
85°	6.2	9.3	33.9	61.7	55.5	89.4	222.0	259.0	333.0	339.2	333.0
87.5°	6.2	6.2	9.3	12.3	15.4	58.6	188.1	225.1	308.4	330.0	333.0
90°	12.3	9.3	6.2	6.2	9.3	46.3	175.8	231.3	326.9	333.0	348.5
92.5°	15.4	12.3	6.2	3.1	9.3	37.0	166.5	231.3	339.2	360.8	376.2
95°	21.6	18.5	6.2	3.1	9.3	30.8	141.9	218.9	354.6	391.6	407.1
97.5°	27.8	24.7	6.2	6.2	9.3	24.7	111.0	172.7	234.4	265.2	286.8
100°	30.8	30.8	6.2	6.2	9.3	15.4	55.5	95.6	74.0	70.9	80.2
102.5°	33.9	33.9	6.2	6.2	6.2	9.3	18.5	40.1	15.4	15.4	24.7
105°	33.9	33.9	6.2	6.2	6.2	6.2	6.2	15.4	12.3	15.4	27.8
107.5°	30.8	33.9	6.2	9.3	9.3	6.2	6.2	6.2	12.3	18.5	27.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	21.6	15.4	3.1	9.3	6.2	6.2	3.1	6.2	15.4	21.6	30.8
115°	9.3	6.2	3.1	6.2	6.2	6.2	3.1	6.2	15.4	24.7	30.8
117.5°	6.2	3.1	3.1	3.1	3.1	6.2	3.1	9.3	21.6	27.8	37.0
120°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	9.3	27.8	30.8	43.2
122.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	27.8	30.8	43.2
125°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	21.6	27.8	37.0
127.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	15.4	21.6	30.8
130°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	15.4	18.5	24.7
132.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	9.3	12.3	18.5
135°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	6.2	6.2	12.3
137.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
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	3.1	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	6.2	3.1	3.1	3.1	3.1	3.1
150°	6.2	9.3	15.4	12.3	6.2	3.1	6.2	3.1	3.1	3.1	3.1
152.5°	15.4	15.4	12.3	12.3	3.1	3.1	6.2	6.2	3.1	3.1	3.1
155°	12.3	12.3	9.3	3.1	3.1	3.1	3.1	6.2	9.3	12.3	9.3
157.5°	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	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°	878.9	878.9	878.9	878.9	878.9	878.9	878.9	878.9	878.9	878.9	878.9
2.5°	881.9	851.1	783.3	730.8	675.3	644.5	585.9	536.6	499.6	493.4	493.4
5°	881.9	820.3	700.0	570.5	450.2	388.5	354.6	333.0	317.6	311.5	308.4
7.5°	789.4	709.3	548.9	397.8	345.4	289.9	249.8	218.9	191.2	181.9	172.7
10°	690.8	592.1	373.1	274.5	218.9	181.9	163.4	154.2	144.9	141.9	141.9
12.5°	613.7	511.9	299.1	225.1	154.2	129.5	123.3	117.2	114.1	111.0	107.9
15°	749.3	613.7	311.5	154.2	107.9	92.5	86.3	89.4	95.6	95.6	95.6
17.5°	693.8	539.7	259.0	117.2	89.4	67.8	74.0	80.2	86.3	77.1	74.0
20°	829.5	635.2	252.9	92.5	74.0	67.8	64.8	55.5	70.9	70.9	70.9
22.5°	601.3	481.1	191.2	86.3	61.7	58.6	49.3	55.5	58.6	49.3	49.3
25°	891.2	626.0	188.1	67.8	61.7	46.3	49.3	40.1	49.3	49.3	49.3
27.5°	1104.0	740.1	166.5	70.9	52.4	46.3	37.0	40.1	37.0	37.0	37.0
30°	1313.7	832.6	151.1	70.9	49.3	37.0	33.9	30.8	37.0	37.0	37.0
32.5°	1375.3	811.0	120.3	74.0	46.3	33.9	27.8	30.8	30.8	33.9	33.9
35°	1446.3	792.5	101.8	64.8	43.2	30.8	24.7	27.8	30.8	33.9	33.9
37.5°	1514.1	761.7	92.5	58.6	37.0	27.8	21.6	24.7	64.8	70.9	70.9
40°	1600.5	724.7	86.3	52.4	30.8	21.6	18.5	49.3	58.6	67.8	67.8
42.5°	1723.8	703.1	80.2	49.3	27.8	18.5	18.5	43.2	83.3	92.5	92.5
45°	1825.6	666.1	77.1	43.2	24.7	15.4	30.8	58.6	67.8	86.3	83.3
47.5°	1952.0	632.2	74.0	40.1	21.6	15.4	33.9	61.7	86.3	98.7	98.7
50°	2087.7	613.7	70.9	37.0	21.6	15.4	58.6	58.6	70.9	111.0	111.0
52.5°	2260.4	601.3	64.8	30.8	18.5	30.8	80.2	70.9	86.3	114.1	114.1
55°	2343.6	561.2	61.7	27.8	15.4	30.8	86.3	80.2	89.4	120.3	120.3
57.5°	2417.6	521.1	55.5	27.8	15.4	40.1	92.5	101.8	86.3	104.8	117.2
60°	2485.5	481.1	49.3	24.7	15.4	49.3	101.8	141.9	120.3	141.9	141.9
62.5°	2642.8	450.2	43.2	27.8	12.3	55.5	132.6	172.7	135.7	172.7	169.6
65°	2790.8	413.2	40.1	24.7	15.4	64.8	144.9	200.4	148.0	200.4	200.4
67.5°	2849.4	367.0	37.0	24.7	15.4	74.0	144.9	222.0	175.8	225.1	228.2
70°	2747.6	302.2	33.9	27.8	18.5	83.3	151.1	237.4	188.1	262.1	262.1
72.5°	2334.4	206.6	33.9	30.8	37.0	92.5	178.9	246.7	197.4	314.5	317.6
75°	1742.3	117.2	37.0	33.9	40.1	104.8	197.4	255.9	206.6	317.6	317.6
77.5°	993.0	80.2	37.0	40.1	49.3	104.8	206.6	265.2	203.5	311.5	305.3
80°	345.4	58.6	37.0	46.3	61.7	104.8	209.7	262.1	197.4	289.9	289.9
82.5°	234.4	49.3	37.0	46.3	74.0	111.0	206.6	246.7	175.8	243.6	234.4
85°	218.9	40.1	40.1	49.3	80.2	111.0	188.1	212.8	148.0	181.9	178.9
87.5°	215.9	37.0	46.3	52.4	86.3	101.8	160.4	175.8	120.3	148.0	144.9
90°	225.1	37.0	49.3	55.5	80.2	83.3	129.5	148.0	98.7	117.2	114.1
92.5°	240.5	37.0	52.4	61.7	70.9	61.7	104.8	117.2	83.3	89.4	86.3
95°	255.9	37.0	58.6	64.8	58.6	46.3	80.2	95.6	67.8	64.8	64.8
97.5°	169.6	27.8	61.7	64.8	49.3	33.9	61.7	74.0	40.1	33.9	33.9
100°	55.5	21.6	64.8	67.8	46.3	24.7	52.4	55.5	30.8	15.4	15.4
102.5°	24.7	21.6	58.6	58.6	40.1	18.5	37.0	40.1	21.6	6.2	6.2
105°	21.6	12.3	33.9	43.2	27.8	9.3	18.5	21.6	12.3	6.2	6.2
107.5°	24.7	12.3	18.5	24.7	12.3	9.3	9.3	9.3	6.2	6.2	6.2



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CATALOG NUMBER: SDL-PA1-80-730-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.8	12.3	9.3	12.3	9.3	9.3	6.2	6.2	12.3	21.6	21.6
115°	27.8	12.3	9.3	12.3	9.3	9.3	6.2	3.1	12.3	30.8	33.9
117.5°	30.8	15.4	6.2	9.3	6.2	6.2	6.2	3.1	15.4	40.1	40.1
120°	37.0	15.4	6.2	6.2	6.2	3.1	6.2	6.2	15.4	43.2	43.2
122.5°	37.0	18.5	6.2	6.2	6.2	3.1	3.1	6.2	18.5	40.1	43.2
125°	30.8	15.4	6.2	6.2	6.2	3.1	3.1	6.2	18.5	37.0	43.2
127.5°	24.7	15.4	6.2	6.2	6.2	3.1	3.1	6.2	18.5	30.8	33.9
130°	21.6	12.3	6.2	6.2	6.2	3.1	3.1	6.2	15.4	24.7	27.8
132.5°	15.4	9.3	6.2	6.2	6.2	3.1	3.1	3.1	15.4	24.7	24.7
135°	12.3	9.3	6.2	6.2	6.2	3.1	3.1	3.1	12.3	18.5	18.5
137.5°	6.2	3.1	6.2	6.2	6.2	3.1	3.1	3.1	9.3	9.3	9.3
140°	3.1	3.1	3.1	6.2	3.1	3.1	3.1	3.1	3.1	6.2	3.1
142.5°	3.1	3.1	3.1	6.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1
145°	3.1	3.1	3.1	6.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	3.1	3.1	3.1	6.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1
150°	3.1	3.1	3.1	6.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1
152.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1
155°	6.2	6.2	3.1	6.2	3.1	3.1	0.0	3.1	3.1	3.1	3.1
157.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	3.1	3.1	3.1	3.1
160°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	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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110°	27.8	27.8	6.2	9.3	9.3	6.2	3.1	6.2	12.3	18.5	30.8
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110°	24.7	12.3	9.3	15.4	12.3	9.3	6.2	6.2	6.2	9.3	9.3
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(END OF REPORT)