

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: P560887

Luminaire Tested: **SDL-PA1-70-730-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560887
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-PA1-70-730-U-T2R-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 930mA 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: 5884.6 lumens
Efficiency: N/A
Efficacy: 81.5 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): 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



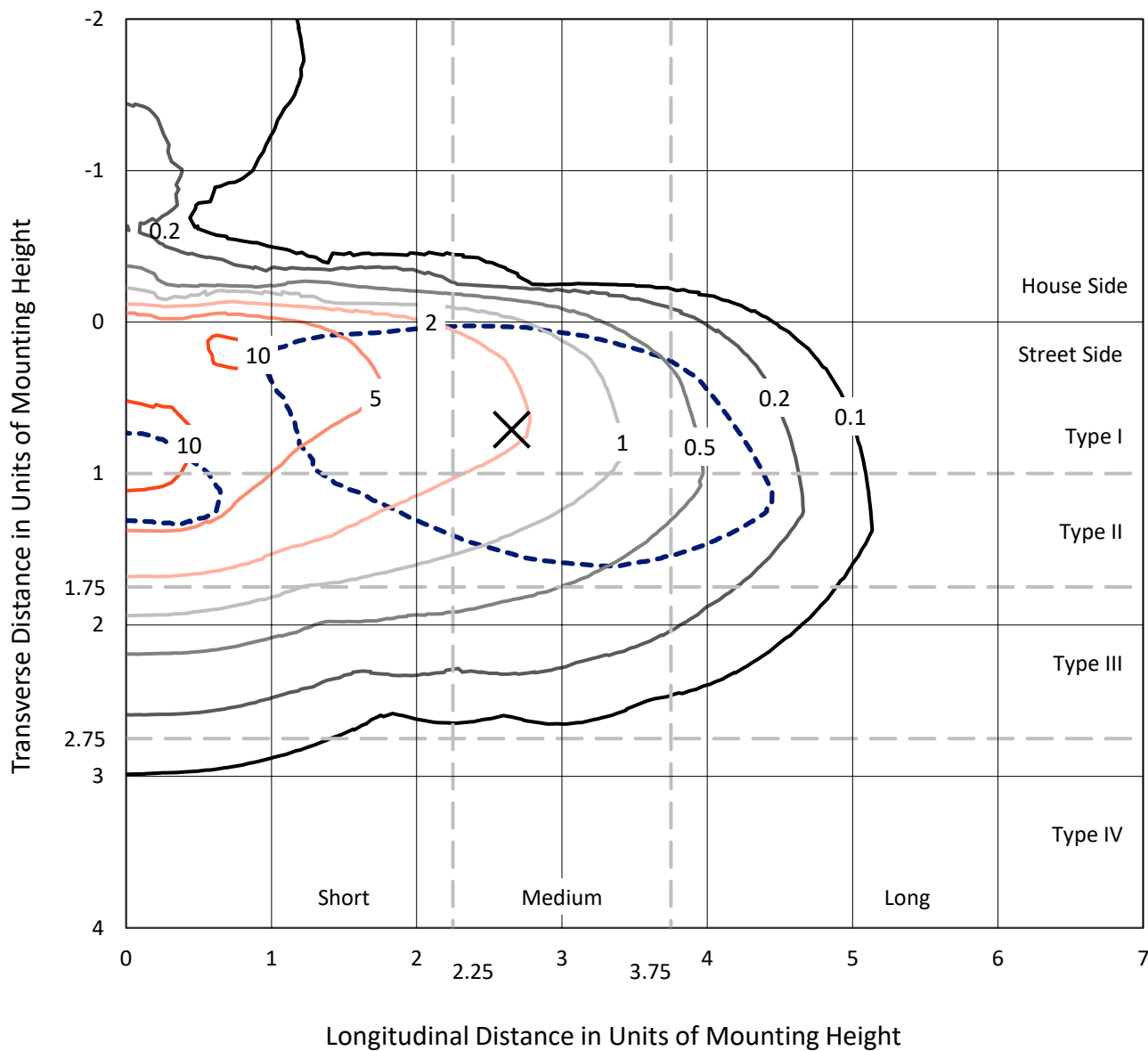
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



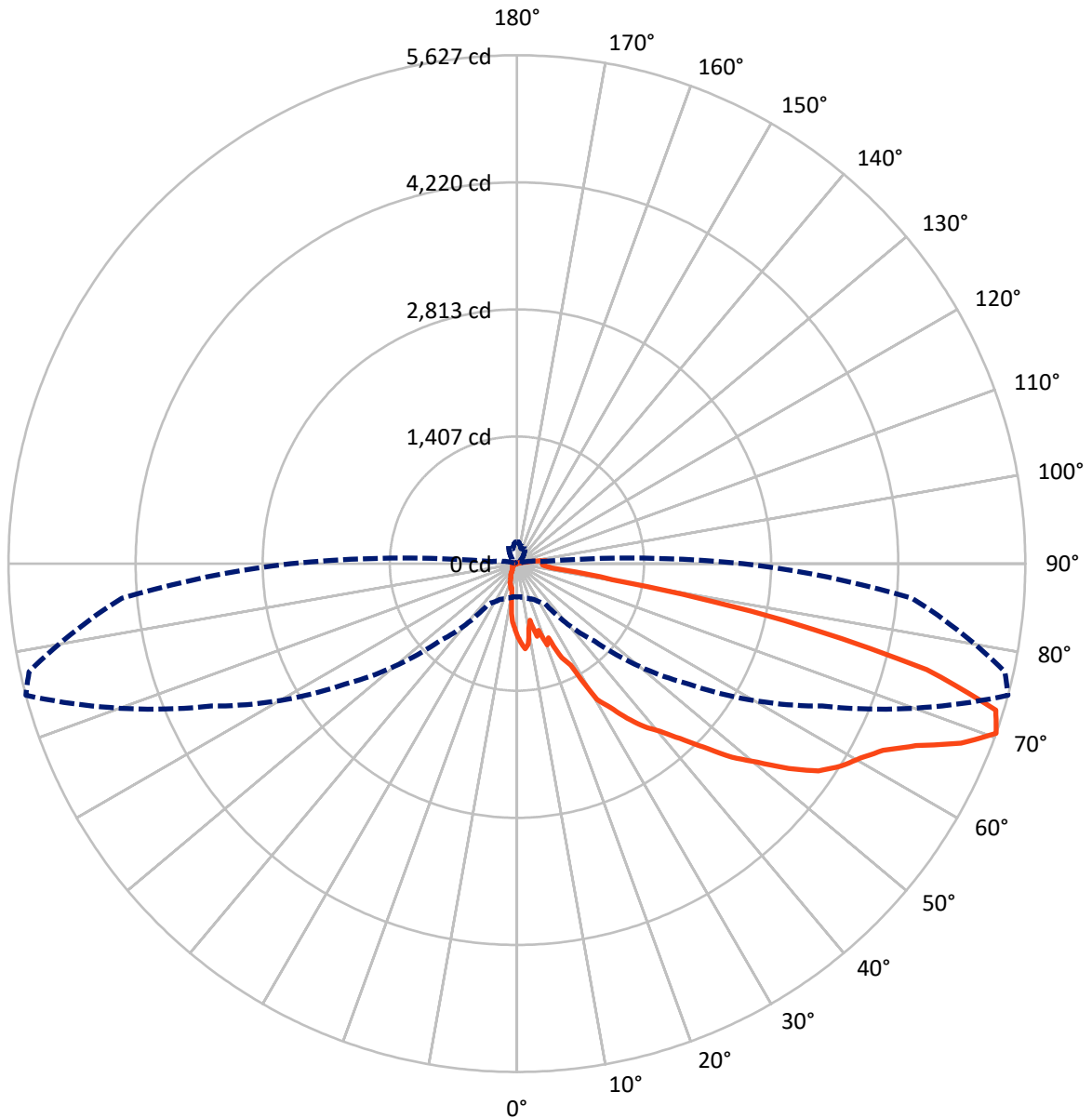
Based on 10 foot mounting height. Maximum calculated value = 14.7 fc

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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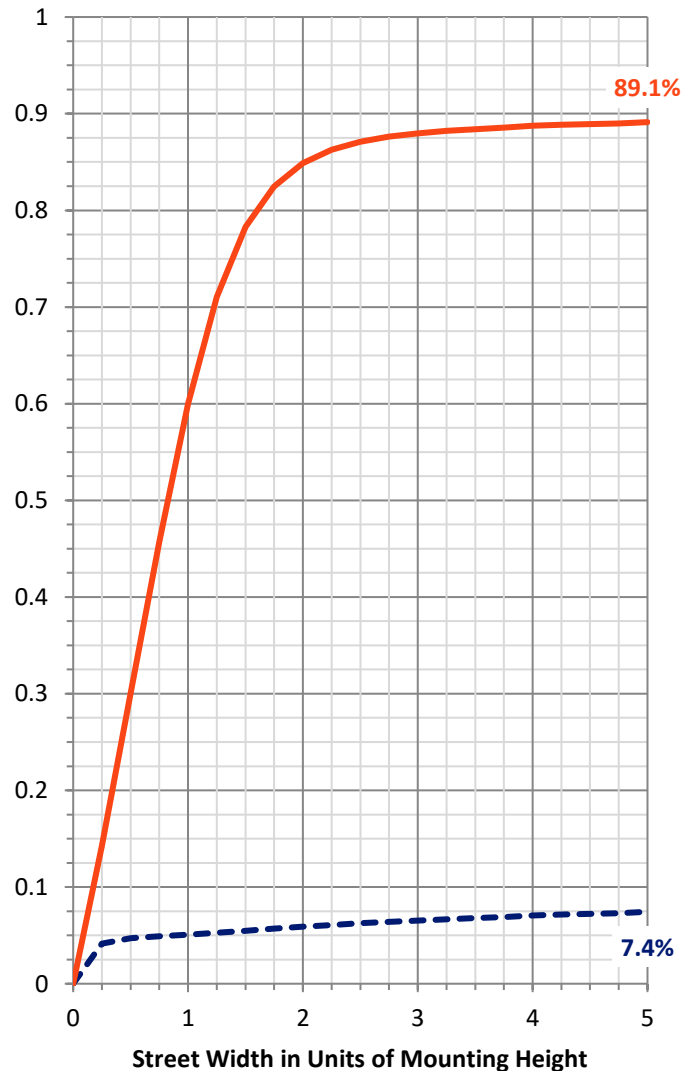
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	479.5	59.5	539.0
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	5270.6	74.9	5345.6
	% Fixture	89.6	1.3	90.8
Total	Lumens	5750.1	134.5	5884.6
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.5	1.1
10°-20°	155.2	2.6
20°-30°	291.2	4.9
30°-40°	653.5	11.1
40°-50°	1075.6	18.3
50°-60°	1318.4	22.4
60°-70°	1234.8	21.0
70°-80°	804.1	13.7
80°-90°	153.6	2.6
90°-100°	88.1	1.5
100°-110°	19.8	0.3
110°-120°	10.1	0.2
120°-130°	8.5	0.1
130°-140°	4.1	0.1
140°-150°	2.1	0.0
150°-160°	1.7	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5750.1	97.7
0°-180°	5884.6	100.0



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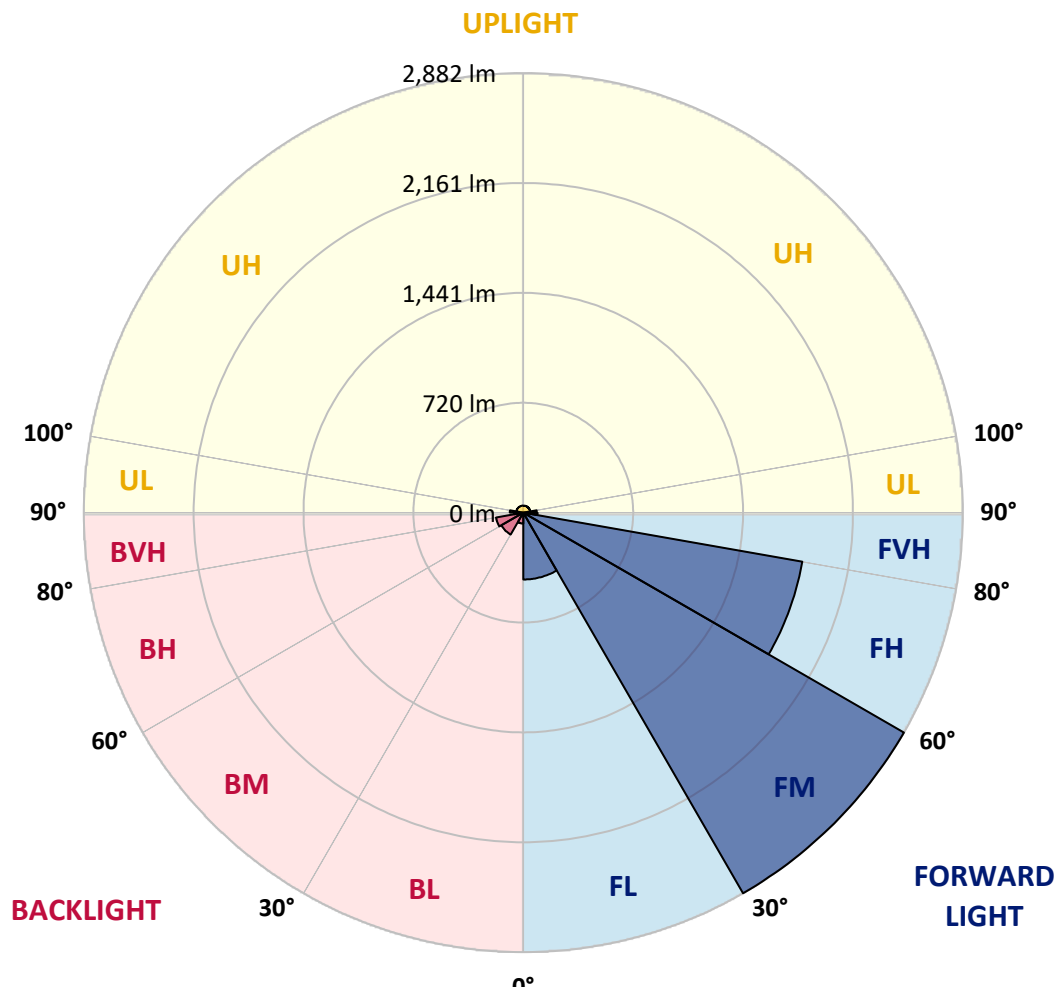
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	438.4	7.4			
FM	(30°-60°)	2881.8	49.0			
FH	(60°-80°)	1857.4	31.6			G2/5000
FVH	(80°-90°)	93.0	1.6			G1/100
BL	(0°-30°)	71.6	1.2	B0/110		
BM	(30°-60°)	165.7	2.8	B0/220		
BH	(60°-80°)	181.5	3.1	B1/500		G1/500
BVH	(80°-90°)	60.6	1.0			G1/100
UL	(90°-100°)	88.1	1.5		U3/500	
UH	(100°-180°)	46.4	0.8		U2/50	

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°	800.6	800.6	800.6	800.6	800.6	800.6	800.6	800.6	800.6	800.6	800.6
2.5°	893.3	949.5	966.3	994.4	1008.4	991.6	960.7	921.4	879.2	868.0	831.5
5°	1014.1	1002.8	994.4	994.4	977.5	941.0	907.3	1011.3	946.6	932.6	859.6
7.5°	921.4	1008.4	1073.1	1078.7	1070.2	1042.2	994.4	887.7	901.7	884.8	795.0
10°	1115.2	1118.0	1106.8	1115.2	1036.5	997.2	842.7	778.1	727.5	795.0	713.5
12.5°	924.2	1061.8	1140.5	1168.6	1070.2	941.0	862.4	828.7	643.3	626.4	646.1
15°	1129.2	1134.9	1143.3	1115.2	868.0	986.0	800.6	738.8	834.3	811.8	797.8
17.5°	893.3	904.5	1095.5	1084.3	1005.6	780.9	952.3	848.3	775.3	747.2	727.5
20°	1137.7	1140.5	1137.7	862.4	938.2	1050.6	896.1	868.0	960.7	949.5	898.9
22.5°	955.1	955.1	1019.7	1106.8	986.0	1053.4	912.9	1081.5	893.3	887.7	668.6
25°	1320.2	1320.2	1275.3	977.5	1118.0	991.6	1084.3	971.9	1154.5	1115.2	1002.8
27.5°	1283.7	1244.4	1174.2	1233.2	1081.5	1241.6	1050.6	1185.4	1272.5	1309.0	1250.0
30°	1783.7	1783.7	1707.9	1320.2	1266.9	1199.5	1213.5	1418.6	1744.4	1750.0	1511.3
32.5°	2415.8	2370.8	1969.1	1702.3	1384.9	1505.6	1370.8	1668.6	1896.1	1887.7	1606.8
35°	2674.2	2660.2	2536.6	2089.9	1604.0	1648.9	1545.0	1764.1	2101.2	2045.0	1721.9
37.5°	2938.3	2915.8	2789.4	2309.0	1834.3	1893.3	1674.2	1904.5	2289.4	2207.9	1848.3
40°	3101.2	3104.0	3014.1	2483.2	2016.9	2047.8	1828.7	2075.9	2441.1	2457.9	1957.9
42.5°	3272.5	3269.7	3196.7	2688.2	2168.6	2207.9	1952.3	2238.8	2646.1	2665.8	2143.3
45°	3365.2	3359.6	3317.5	2828.7	2289.4	2317.5	2143.3	2438.2	2896.1	2890.5	2295.0
47.5°	3387.7	3396.1	3393.3	2966.3	2415.8	2427.0	2314.6	2584.3	3199.5	3137.7	2494.4
50°	3261.3	3266.9	3306.2	3075.9	2508.5	2519.7	2449.5	2750.0	3455.1	3382.1	2674.2
52.5°	2910.2	2943.9	3109.6	3008.5	2547.8	2589.9	2575.9	2876.5	3766.9	3677.0	2896.1
55°	2163.0	2241.6	2620.8	2755.7	2528.1	2592.7	2688.2	3106.8	4050.6	3941.1	3075.9
57.5°	1724.7	1738.8	1963.5	2334.3	2368.0	2578.7	2806.2	3247.2	4227.6	4118.0	3205.1
60°	1362.4	1384.9	1530.9	1828.7	2067.5	2494.4	2839.9	3390.5	4368.1	4275.4	3348.4
62.5°	1056.2	1053.4	1165.8	1365.2	1665.8	2317.5	2795.0	3477.6	4547.8	4477.6	3604.0
65°	736.0	736.0	831.5	991.6	1261.3	2000.0	2705.1	3601.2	4854.0	4834.4	3921.4
67.5°	502.8	514.1	578.7	657.3	865.2	1626.4	2570.3	3727.6	5300.7	5208.0	4227.6
70°	368.0	368.0	393.3	435.4	539.3	1213.5	2328.7	3730.4	5626.5	5531.0	4387.7
72.5°	272.5	272.5	292.1	311.8	339.9	806.2	1910.1	3494.4	5542.2	5390.5	4061.9
75°	143.3	143.3	221.9	230.3	227.5	522.5	1410.1	2870.8	4685.5	4432.7	3179.8
77.5°	112.4	115.2	126.4	179.8	165.7	342.7	786.5	1766.9	3028.1	2719.1	1721.9
80°	81.5	78.7	98.3	115.2	98.3	199.4	370.8	775.3	1073.1	929.8	567.4
82.5°	47.8	50.6	59.0	84.3	84.3	140.5	241.6	339.9	384.8	382.0	339.9
85°	5.6	8.4	30.9	56.2	50.6	81.5	202.3	236.0	303.4	309.0	303.4
87.5°	5.6	5.6	8.4	11.2	14.0	53.4	171.4	205.1	280.9	300.6	303.4
90°	11.2	8.4	5.6	5.6	8.4	42.1	160.1	210.7	297.8	303.4	317.4
92.5°	14.0	11.2	5.6	2.8	8.4	33.7	151.7	210.7	309.0	328.7	342.7
95°	19.7	16.9	5.6	2.8	8.4	28.1	129.2	199.4	323.0	356.7	370.8
97.5°	25.3	22.5	5.6	5.6	8.4	22.5	101.1	157.3	213.5	241.6	261.2
100°	28.1	28.1	5.6	5.6	8.4	14.0	50.6	87.1	67.4	64.6	73.0
102.5°	30.9	30.9	5.6	5.6	5.6	8.4	16.9	36.5	14.0	14.0	22.5
105°	30.9	30.9	5.6	5.6	5.6	5.6	5.6	14.0	11.2	14.0	25.3
107.5°	28.1	30.9	5.6	8.4	8.4	5.6	5.6	5.6	11.2	16.9	25.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	19.7	14.0	2.8	8.4	5.6	5.6	2.8	5.6	14.0	19.7	28.1
115°	8.4	5.6	2.8	5.6	5.6	5.6	2.8	5.6	14.0	22.5	28.1
117.5°	5.6	2.8	2.8	2.8	2.8	5.6	2.8	8.4	19.7	25.3	33.7
120°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	8.4	25.3	28.1	39.3
122.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.6	25.3	28.1	39.3
125°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.6	19.7	25.3	33.7
127.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.6	14.0	19.7	28.1
130°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	14.0	16.9	22.5
132.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	8.4	11.2	16.9
135°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	5.6	5.6	11.2
137.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
140°	2.8	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
145°	2.8	2.8	2.8	2.8	5.6	2.8	2.8	2.8	2.8	2.8	2.8
147.5°	2.8	2.8	2.8	5.6	5.6	5.6	2.8	2.8	2.8	2.8	2.8
150°	5.6	8.4	14.0	11.2	5.6	2.8	5.6	2.8	2.8	2.8	2.8
152.5°	14.0	14.0	11.2	11.2	2.8	2.8	5.6	5.6	2.8	2.8	2.8
155°	11.2	11.2	8.4	2.8	2.8	2.8	2.8	5.6	8.4	11.2	8.4
157.5°	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8
160°	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8	2.8
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°	800.6	800.6	800.6	800.6	800.6	800.6	800.6	800.6	800.6	800.6	800.6
2.5°	803.4	775.3	713.5	665.7	615.2	587.1	533.7	488.8	455.1	449.4	449.4
5°	803.4	747.2	637.7	519.7	410.1	353.9	323.0	303.4	289.3	283.7	280.9
7.5°	719.1	646.1	500.0	362.4	314.6	264.0	227.5	199.4	174.2	165.7	157.3
10°	629.2	539.3	339.9	250.0	199.4	165.7	148.9	140.5	132.0	129.2	129.2
12.5°	559.0	466.3	272.5	205.1	140.5	118.0	112.4	106.7	103.9	101.1	98.3
15°	682.6	559.0	283.7	140.5	98.3	84.3	78.7	81.5	87.1	87.1	87.1
17.5°	632.0	491.6	236.0	106.7	81.5	61.8	67.4	73.0	78.7	70.2	67.4
20°	755.6	578.7	230.3	84.3	67.4	61.8	59.0	50.6	64.6	64.6	64.6
22.5°	547.8	438.2	174.2	78.7	56.2	53.4	44.9	50.6	53.4	44.9	44.9
25°	811.8	570.2	171.4	61.8	56.2	42.1	44.9	36.5	44.9	44.9	44.9
27.5°	1005.6	674.2	151.7	64.6	47.8	42.1	33.7	36.5	33.7	33.7	33.7
30°	1196.6	758.4	137.6	64.6	44.9	33.7	30.9	28.1	33.7	33.7	33.7
32.5°	1252.8	738.8	109.6	67.4	42.1	30.9	25.3	28.1	28.1	30.9	30.9
35°	1317.4	721.9	92.7	59.0	39.3	28.1	22.5	25.3	28.1	30.9	30.9
37.5°	1379.2	693.8	84.3	53.4	33.7	25.3	19.7	22.5	59.0	64.6	64.6
40°	1457.9	660.1	78.7	47.8	28.1	19.7	16.9	44.9	53.4	61.8	61.8
42.5°	1570.3	640.5	73.0	44.9	25.3	16.9	16.9	39.3	75.8	84.3	84.3
45°	1663.0	606.8	70.2	39.3	22.5	14.0	28.1	53.4	61.8	78.7	75.8
47.5°	1778.1	575.9	67.4	36.5	19.7	14.0	30.9	56.2	78.7	89.9	89.9
50°	1901.7	559.0	64.6	33.7	19.7	14.0	53.4	53.4	64.6	101.1	101.1
52.5°	2059.0	547.8	59.0	28.1	16.9	28.1	73.0	64.6	78.7	103.9	103.9
55°	2134.9	511.2	56.2	25.3	14.0	28.1	78.7	73.0	81.5	109.6	109.6
57.5°	2202.3	474.7	50.6	25.3	14.0	36.5	84.3	92.7	78.7	95.5	106.7
60°	2264.1	438.2	44.9	22.5	14.0	44.9	92.7	129.2	109.6	129.2	129.2
62.5°	2407.3	410.1	39.3	25.3	11.2	50.6	120.8	157.3	123.6	157.3	154.5
65°	2542.2	376.4	36.5	22.5	14.0	59.0	132.0	182.6	134.8	182.6	182.6
67.5°	2595.6	334.3	33.7	22.5	14.0	67.4	132.0	202.3	160.1	205.1	207.9
70°	2502.9	275.3	30.9	25.3	16.9	75.8	137.6	216.3	171.4	238.8	238.8
72.5°	2126.4	188.2	30.9	28.1	33.7	84.3	162.9	224.7	179.8	286.5	289.3
75°	1587.1	106.7	33.7	30.9	36.5	95.5	179.8	233.2	188.2	289.3	289.3
77.5°	904.5	73.0	33.7	36.5	44.9	95.5	188.2	241.6	185.4	283.7	278.1
80°	314.6	53.4	33.7	42.1	56.2	95.5	191.0	238.8	179.8	264.0	264.0
82.5°	213.5	44.9	33.7	42.1	67.4	101.1	188.2	224.7	160.1	221.9	213.5
85°	199.4	36.5	36.5	44.9	73.0	101.1	171.4	193.8	134.8	165.7	162.9
87.5°	196.6	33.7	42.1	47.8	78.7	92.7	146.1	160.1	109.6	134.8	132.0
90°	205.1	33.7	44.9	50.6	73.0	75.8	118.0	134.8	89.9	106.7	103.9
92.5°	219.1	33.7	47.8	56.2	64.6	56.2	95.5	106.7	75.8	81.5	78.7
95°	233.2	33.7	53.4	59.0	53.4	42.1	73.0	87.1	61.8	59.0	59.0
97.5°	154.5	25.3	56.2	59.0	44.9	30.9	56.2	67.4	36.5	30.9	30.9
100°	50.6	19.7	59.0	61.8	42.1	22.5	47.8	50.6	28.1	14.0	14.0
102.5°	22.5	19.7	53.4	53.4	36.5	16.9	33.7	36.5	19.7	5.6	5.6
105°	19.7	11.2	30.9	39.3	25.3	8.4	16.9	19.7	11.2	5.6	5.6
107.5°	22.5	11.2	16.9	22.5	11.2	8.4	8.4	8.4	5.6	5.6	5.6



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CATALOG NUMBER: SDL-PA1-70-730-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	25.3	11.2	8.4	11.2	8.4	8.4	5.6	5.6	11.2	19.7	19.7
115°	25.3	11.2	8.4	11.2	8.4	8.4	5.6	2.8	11.2	28.1	30.9
117.5°	28.1	14.0	5.6	8.4	5.6	5.6	5.6	2.8	14.0	36.5	36.5
120°	33.7	14.0	5.6	5.6	5.6	2.8	5.6	5.6	14.0	39.3	39.3
122.5°	33.7	16.9	5.6	5.6	5.6	2.8	2.8	5.6	16.9	36.5	39.3
125°	28.1	14.0	5.6	5.6	5.6	2.8	2.8	5.6	16.9	33.7	39.3
127.5°	22.5	14.0	5.6	5.6	5.6	2.8	2.8	5.6	16.9	28.1	30.9
130°	19.7	11.2	5.6	5.6	5.6	2.8	2.8	5.6	14.0	22.5	25.3
132.5°	14.0	8.4	5.6	5.6	5.6	2.8	2.8	2.8	14.0	22.5	22.5
135°	11.2	8.4	5.6	5.6	5.6	2.8	2.8	2.8	11.2	16.9	16.9
137.5°	5.6	2.8	5.6	5.6	5.6	2.8	2.8	2.8	8.4	8.4	8.4
140°	2.8	2.8	2.8	5.6	2.8	2.8	2.8	2.8	2.8	5.6	2.8
142.5°	2.8	2.8	2.8	5.6	2.8	2.8	2.8	2.8	2.8	2.8	2.8
145°	2.8	2.8	2.8	5.6	2.8	2.8	2.8	2.8	2.8	2.8	2.8
147.5°	2.8	2.8	2.8	5.6	2.8	2.8	2.8	2.8	2.8	2.8	2.8
150°	2.8	2.8	2.8	5.6	2.8	2.8	2.8	2.8	2.8	2.8	2.8
152.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8
155°	5.6	5.6	2.8	5.6	2.8	2.8	0.0	2.8	2.8	2.8	2.8
157.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8
160°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	2.8	2.8	2.8	2.8
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°	25.3	25.3	5.6	8.4	8.4	5.6	2.8	5.6	11.2	16.9	28.1
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110°	22.5	11.2	8.4	14.0	11.2	8.4	5.6	5.6	5.6	8.4	8.4
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(END OF REPORT)