

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: P560921

Luminaire Tested: **SDL-PA1-70-740-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560921
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-740-U-T4W-HSS-A
Description: Springdale
(1) 70 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS, HOUSE SIDE SHEILD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5764.6 lumens
Efficiency: N/A
Efficacy: 79.8 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 - 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

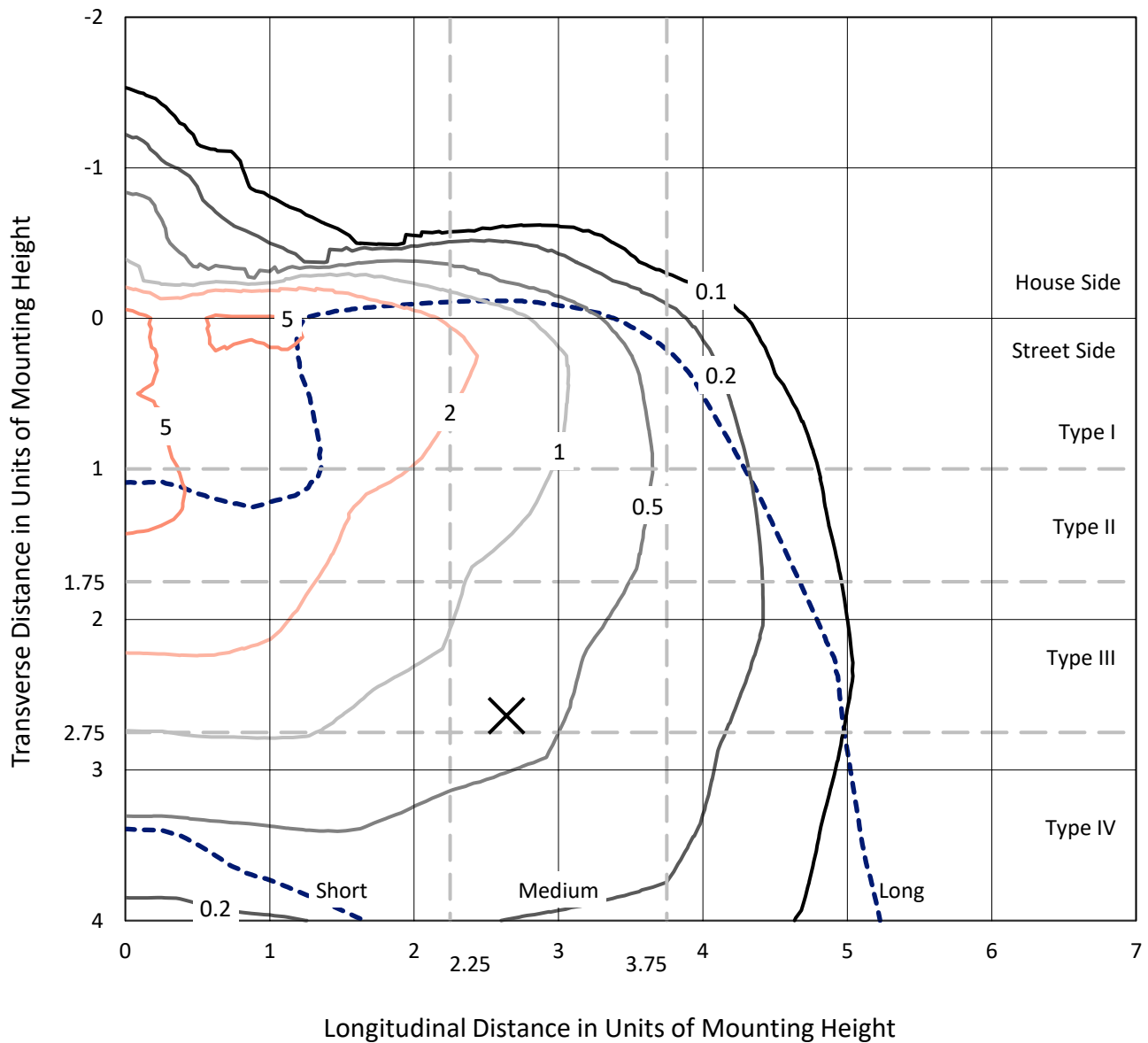


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

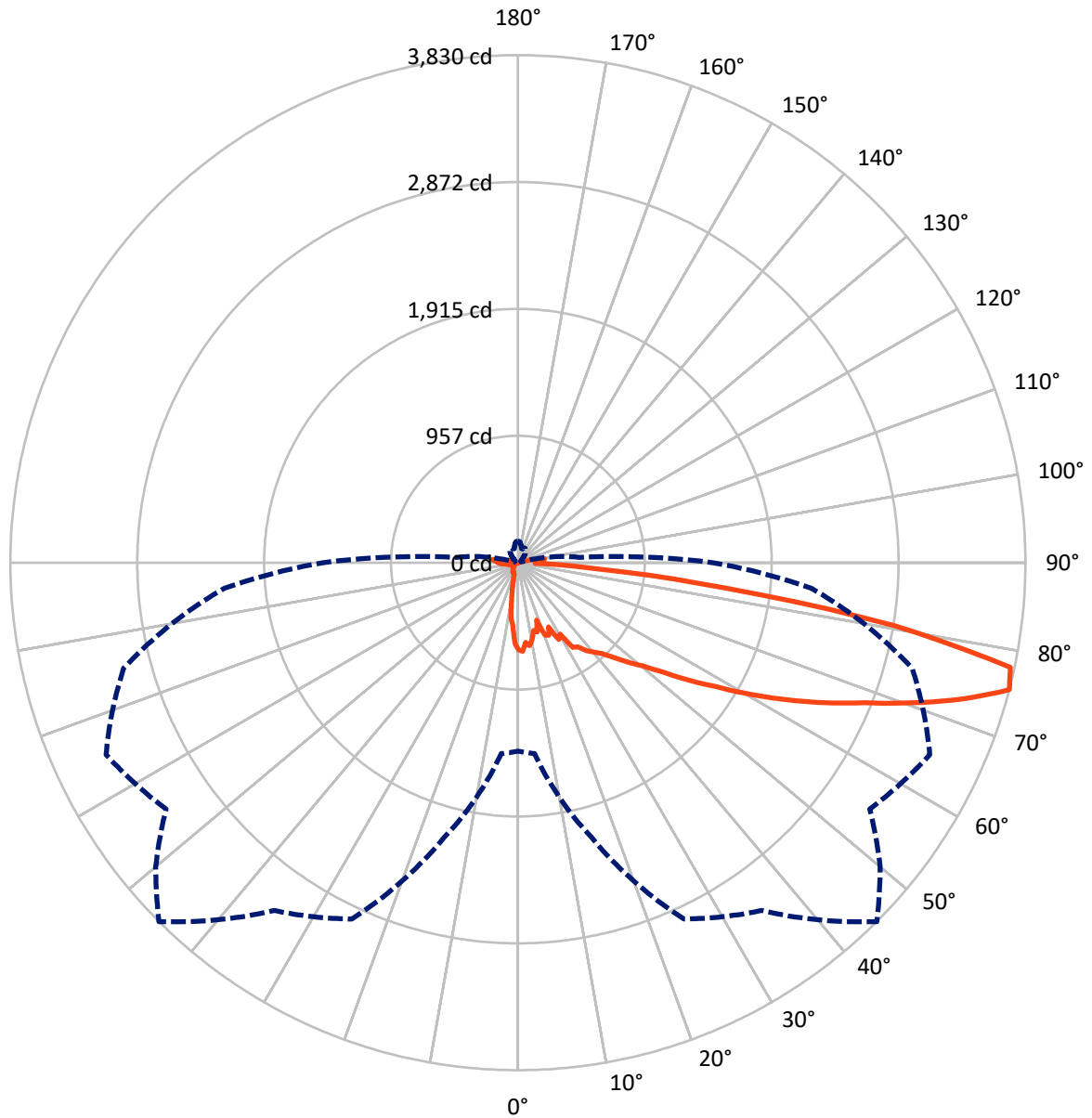


Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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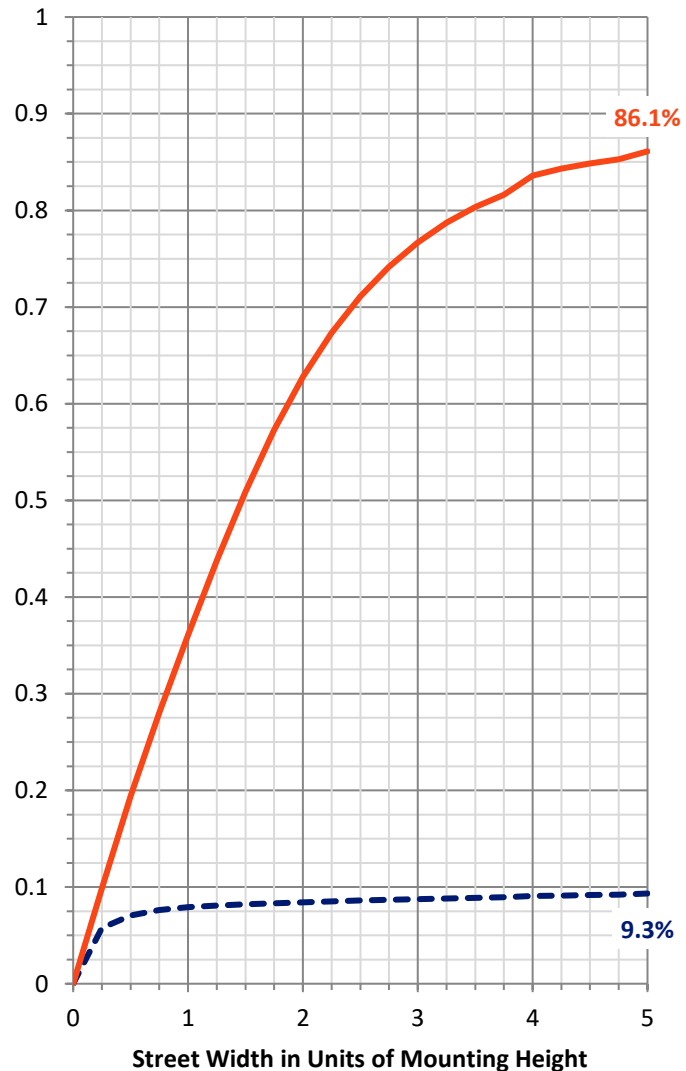
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	591.5	103.5	695.0
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	4989.6	80.0	5069.6
	% Fixture	86.6	1.4	87.9
Total	Lumens	5581.1	183.5	5764.6
	% Fixture	96.8	3.2	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.0	0.9
10°-20°	110.3	1.9
20°-30°	185.0	3.2
30°-40°	343.1	6.0
40°-50°	578.2	10.0
50°-60°	1037.8	18.0
60°-70°	1558.4	27.0
70°-80°	1425.7	24.7
80°-90°	291.5	5.1
90°-100°	139.5	2.4
100°-110°	29.7	0.5
110°-120°	5.7	0.1
120°-130°	4.5	0.1
130°-140°	2.0	0.0
140°-150°	1.1	0.0
150°-160°	1.0	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5581.1	96.8
0°-180°	5764.6	100.0



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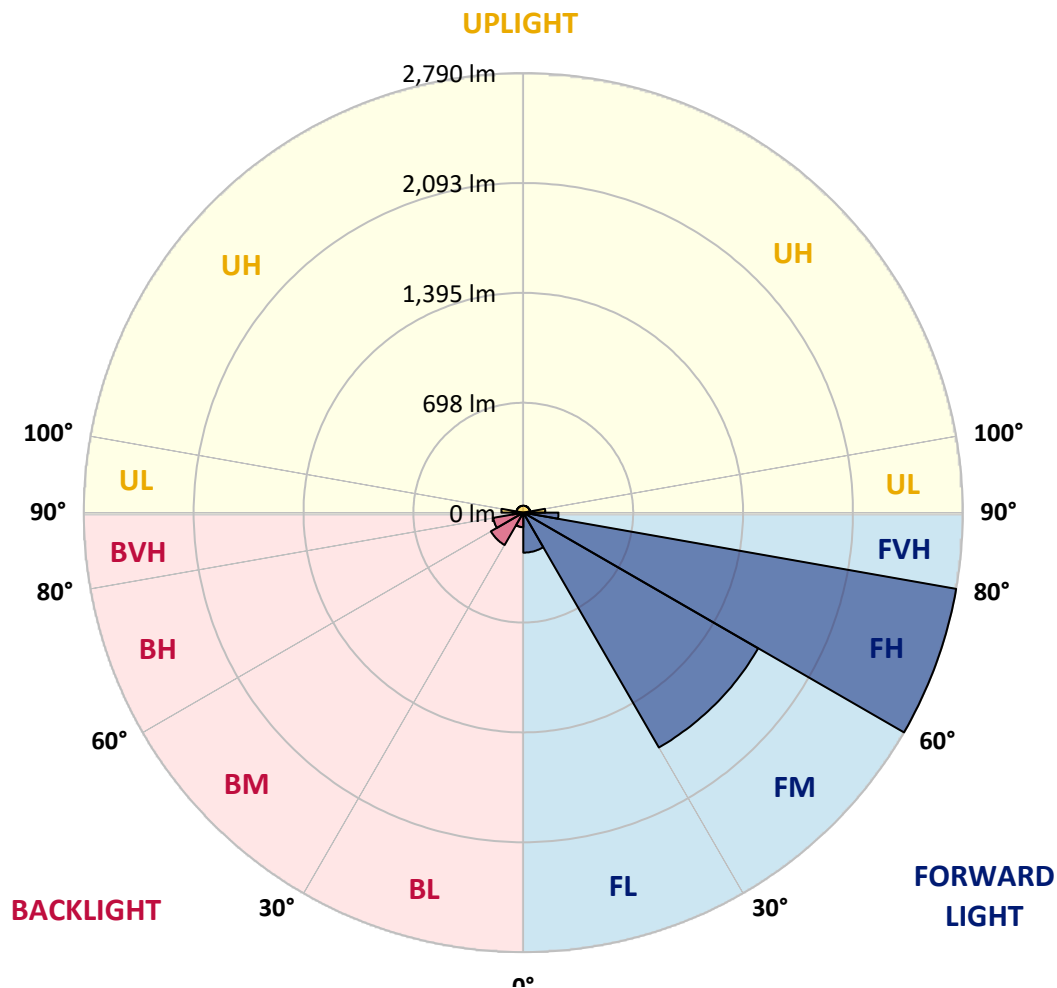
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	254.0	4.4			
FM	(30°-60°)	1721.8	29.9			
FH	(60°-80°)	2790.2	48.4			G2/5000
FVH	(80°-90°)	223.5	3.9			G2/225
BL	(0°-30°)	92.4	1.6	B0/110		
BM	(30°-60°)	237.3	4.1	B1/1000		
BH	(60°-80°)	193.8	3.4	B1/500		G1/500
BVH	(80°-90°)	68.0	1.2			G1/100
UL	(90°-100°)	139.5	2.4		U3/500	
UH	(100°-180°)	44.0	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	656.8	656.8	656.8	656.8	656.8	656.8	656.8	656.8	656.8	656.8	656.8
2.5°	638.3	669.2	659.9	675.3	672.2	669.2	669.2	672.2	669.2	663.0	656.8
5°	650.7	641.4	635.2	632.2	619.8	604.4	598.2	592.1	656.8	656.8	644.5
7.5°	669.2	669.2	656.8	647.6	647.6	632.2	616.7	604.4	573.6	564.3	564.3
10°	712.3	706.2	696.9	678.4	585.9	589.0	555.1	487.2	456.4	468.7	487.2
12.5°	721.6	718.5	706.2	703.1	616.7	524.2	434.8	487.2	465.6	388.5	431.7
15°	774.0	767.8	743.2	700.0	527.3	542.7	505.7	434.8	416.3	474.9	508.8
17.5°	659.9	659.9	740.1	678.4	573.6	456.4	453.3	505.7	456.4	425.5	422.5
20°	811.0	811.0	777.1	555.1	589.0	582.8	468.7	530.4	447.1	505.7	539.6
22.5°	675.3	672.2	696.9	687.7	564.3	595.2	481.1	484.1	533.5	456.4	391.6
25°	823.3	823.3	804.8	598.2	641.4	536.6	548.9	579.7	474.9	576.6	582.8
27.5°	709.2	706.2	672.2	684.6	598.2	656.8	499.6	545.8	582.8	622.9	684.6
30°	866.5	872.7	857.3	650.7	666.1	626.0	595.2	632.2	706.2	829.5	869.6
32.5°	1070.0	1076.2	912.8	783.3	669.2	761.7	638.3	696.9	811.0	869.6	912.8
35°	1190.3	1144.0	1073.1	875.8	721.6	780.2	733.9	743.2	844.9	937.4	968.3
37.5°	1292.1	1230.4	1147.1	903.5	761.7	841.8	764.8	777.1	915.9	999.1	1039.2
40°	1326.0	1289.0	1242.7	965.2	811.0	888.1	801.8	829.5	983.7	1079.3	1141.0
42.5°	1409.2	1412.3	1384.6	1051.5	863.4	937.4	863.4	881.9	1073.1	1190.3	1279.7
45°	1631.3	1637.4	1606.6	1199.6	928.2	1023.8	962.1	971.4	1174.9	1359.9	1474.0
47.5°	1915.0	1893.4	1862.5	1396.9	1026.9	1122.5	1076.2	1067.0	1295.1	1581.9	1683.7
50°	2201.7	2161.7	2096.9	1668.3	1196.5	1224.2	1193.4	1187.2	1440.1	1810.1	1921.1
52.5°	2500.9	2470.0	2334.3	1924.2	1449.3	1372.2	1338.3	1372.2	1628.2	2063.0	2164.7
55°	2658.1	2627.3	2541.0	2198.7	1692.9	1563.4	1504.8	1566.5	1918.0	2300.4	2433.0
57.5°	2787.6	2778.4	2738.3	2485.4	1989.0	1766.9	1708.4	1766.9	2149.3	2522.4	2679.7
60°	2972.7	2935.7	2972.7	2763.0	2275.8	2016.7	1936.6	1998.2	2433.0	2716.7	2951.1
62.5°	3105.3	3096.0	3170.0	3074.4	2516.3	2278.8	2161.7	2220.2	2682.8	2923.3	3219.4
65°	2963.4	3009.7	3305.7	3278.0	2787.6	2547.1	2423.8	2405.3	2886.3	3145.4	3506.1
67.5°	2710.6	2741.4	3173.1	3382.8	3025.1	2818.5	2670.5	2584.1	3074.4	3345.8	3734.3
70°	2470.0	2507.0	2901.7	3389.0	3139.2	3166.9	2960.3	2800.0	3262.5	3570.9	3783.7
72.5°	2278.8	2312.8	2667.4	3315.0	3179.3	3515.4	3278.0	3028.2	3444.5	3577.1	3305.7
75°	1421.6	1446.2	2146.2	2966.5	3203.9	3829.9	3567.8	3240.9	3429.1	3080.6	2223.3
77.5°	437.9	447.1	918.9	1958.1	2784.6	3799.1	3518.5	3046.7	2874.0	1955.1	1014.5
80°	151.1	154.2	237.4	696.9	1665.2	2883.2	2682.8	2241.8	1717.6	721.6	382.4
82.5°	70.9	77.1	111.0	234.4	678.4	1575.8	1585.0	1332.1	721.6	320.7	259.0
85°	24.7	24.7	46.3	101.8	262.1	607.5	576.6	536.6	379.3	289.9	240.5
87.5°	9.3	9.3	15.4	27.8	64.8	129.5	163.4	200.4	200.4	203.5	243.6
90°	9.3	9.3	6.2	6.2	46.3	135.7	163.4	181.9	166.5	185.0	265.2
92.5°	9.3	9.3	6.2	6.2	49.3	157.3	181.9	197.4	175.8	197.4	292.9
95°	9.3	9.3	6.2	6.2	55.5	191.2	212.8	209.7	175.8	206.6	314.5
97.5°	12.3	12.3	6.2	3.1	49.3	203.5	228.2	222.0	151.1	157.3	246.7
100°	12.3	12.3	6.2	3.1	30.8	151.1	181.9	178.9	98.7	24.7	70.9
102.5°	12.3	12.3	6.2	3.1	6.2	70.9	86.3	89.4	58.6	9.3	12.3
105°	15.4	15.4	6.2	3.1	3.1	12.3	27.8	37.0	21.6	6.2	12.3
107.5°	15.4	15.4	6.2	3.1	3.1	6.2	6.2	9.3	9.3	6.2	15.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	12.3	12.3	3.1	6.2	3.1	3.1	3.1	3.1	3.1	6.2	15.4
115°	6.2	6.2	3.1	3.1	0.0	3.1	3.1	3.1	3.1	6.2	12.3
117.5°	3.1	3.1	0.0	3.1	0.0	3.1	3.1	3.1	6.2	6.2	15.4
120°	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1	3.1	9.3	18.5
122.5°	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1	3.1	9.3	18.5
125°	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1	3.1	9.3	18.5
127.5°	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1	3.1	9.3	15.4
130°	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1	3.1	6.2	12.3
132.5°	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1	3.1	6.2	9.3
135°	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	6.2
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1
140°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1
145°	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1
147.5°	0.0	0.0	0.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
150°	9.3	9.3	6.2	3.1	0.0	0.0	3.1	3.1	3.1	3.1	3.1
152.5°	6.2	6.2	9.3	3.1	0.0	0.0	3.1	3.1	6.2	3.1	3.1
155°	6.2	6.2	3.1	0.0	0.0	0.0	0.0	3.1	3.1	6.2	6.2
157.5°	3.1	3.1	3.1	0.0	0.0	0.0	0.0	3.1	3.1	3.1	3.1
160°	0.0	0.0	0.0	0.0	0.0	0.0	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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	656.8	656.8	656.8	656.8	656.8	656.8	656.8	656.8	656.8	656.8	656.8
2.5°	650.7	647.6	638.3	632.2	622.9	613.7	567.4	539.6	536.6	533.5	536.6
5°	638.3	629.1	613.7	542.7	508.8	478.0	468.7	462.6	447.1	447.1	450.2
7.5°	552.0	545.8	496.5	474.9	447.1	419.4	394.7	376.2	330.0	314.5	308.4
10°	484.1	471.8	385.5	342.3	314.5	283.7	283.7	259.0	246.7	237.4	234.4
12.5°	419.4	410.1	339.2	311.5	234.4	203.5	188.1	172.7	163.4	157.3	154.2
15°	490.3	474.9	363.9	249.8	172.7	144.9	114.1	111.0	138.8	144.9	148.0
17.5°	391.6	400.9	323.8	218.9	141.8	89.4	98.7	117.2	132.6	132.6	129.5
20°	521.1	499.6	351.5	175.8	101.8	89.4	95.6	86.3	123.3	132.6	132.6
22.5°	379.3	360.8	289.9	163.4	80.2	86.3	80.2	101.8	114.1	101.8	104.8
25°	564.3	536.6	336.1	114.1	83.3	74.0	92.5	80.2	111.0	120.3	123.3
27.5°	700.0	607.5	330.0	107.9	74.0	83.3	77.1	92.5	89.4	95.6	95.6
30°	835.7	783.3	373.1	98.7	74.0	70.9	80.2	80.2	101.8	111.0	111.0
32.5°	894.3	832.6	326.9	95.6	74.0	70.9	70.9	86.3	95.6	114.1	114.1
35°	955.9	872.7	274.4	89.4	70.9	67.8	67.8	86.3	101.8	114.1	117.2
37.5°	1039.2	915.9	222.0	86.3	67.8	64.8	58.6	77.1	107.9	120.3	123.3
40°	1144.0	977.5	172.7	80.2	61.7	58.6	55.5	77.1	92.5	107.9	107.9
42.5°	1307.5	1045.4	135.7	77.1	58.6	52.4	52.4	64.8	89.4	101.8	101.8
45°	1474.0	1125.5	114.1	74.0	55.5	49.3	49.3	64.8	67.8	86.3	86.3
47.5°	1659.0	1205.7	104.8	70.9	55.5	43.2	43.2	58.6	58.6	80.2	83.3
50°	1850.2	1273.6	98.7	67.8	49.3	40.1	49.3	40.1	49.3	77.1	83.3
52.5°	2016.7	1329.1	92.5	61.7	46.3	37.0	46.3	40.1	49.3	70.9	70.9
55°	2186.3	1359.9	89.4	58.6	43.2	30.8	46.3	43.2	46.3	64.8	64.8
57.5°	2337.4	1369.2	86.3	58.6	37.0	27.8	43.2	52.4	40.1	52.4	58.6
60°	2473.1	1359.9	77.1	52.4	27.8	27.8	46.3	61.7	55.5	61.7	61.7
62.5°	2599.5	1326.0	61.7	43.2	21.6	27.8	58.6	67.8	52.4	64.8	70.9
65°	2707.5	1279.7	46.3	33.9	15.4	30.8	61.7	77.1	61.7	74.0	80.2
67.5°	2756.8	1218.1	37.0	27.8	15.4	33.9	64.8	86.3	70.9	83.3	89.4
70°	2673.5	1091.6	30.8	27.8	12.3	40.1	67.8	92.5	80.2	104.8	107.9
72.5°	2220.2	857.3	27.8	27.8	21.6	49.3	86.3	104.8	98.7	141.8	138.8
75°	1470.9	468.7	27.8	24.7	27.8	58.6	104.8	123.3	107.9	160.4	160.4
77.5°	678.4	206.6	24.7	27.8	30.8	64.8	120.3	148.0	123.3	181.9	178.9
80°	296.0	126.4	24.7	24.7	33.9	70.9	135.7	166.5	135.7	200.4	200.4
82.5°	222.0	114.1	21.6	24.7	46.3	80.2	157.3	185.0	151.1	215.9	212.8
85°	206.6	107.9	24.7	27.8	52.4	101.8	185.0	200.4	157.3	222.0	222.0
87.5°	209.7	104.8	24.7	27.8	70.9	129.5	209.7	215.9	172.7	234.4	234.4
90°	215.9	107.9	27.8	30.8	80.2	141.8	234.4	231.3	194.3	246.7	246.7
92.5°	231.3	107.9	30.8	33.9	86.3	157.3	255.9	237.4	209.7	255.9	249.8
95°	240.5	107.9	33.9	37.0	101.8	172.7	271.4	231.3	222.0	237.4	231.3
97.5°	178.9	80.2	40.1	43.2	104.8	194.3	249.8	197.4	144.9	141.8	144.9
100°	58.6	27.8	43.2	46.3	67.8	135.7	185.0	141.8	77.1	58.6	58.6
102.5°	15.4	15.4	40.1	43.2	37.0	58.6	107.9	92.5	52.4	3.1	6.2
105°	15.4	12.3	24.7	33.9	21.6	15.4	43.2	52.4	40.1	3.1	3.1
107.5°	15.4	12.3	12.3	18.5	6.2	6.2	12.3	12.3	12.3	3.1	3.1



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CATALOG NUMBER: SDL-PA1-70-740-U-T4W-HSS-A

CANDELA DISTRIBUTION (continued):

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