

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: P560977

Luminaire Tested: **SDL-PA1-70-827-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560977
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-20)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-827-U-T2R
Description: Springdale
(1) 80 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6189.8 lumens
Efficiency: N/A
Efficacy: 85.7 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 - U0 - 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

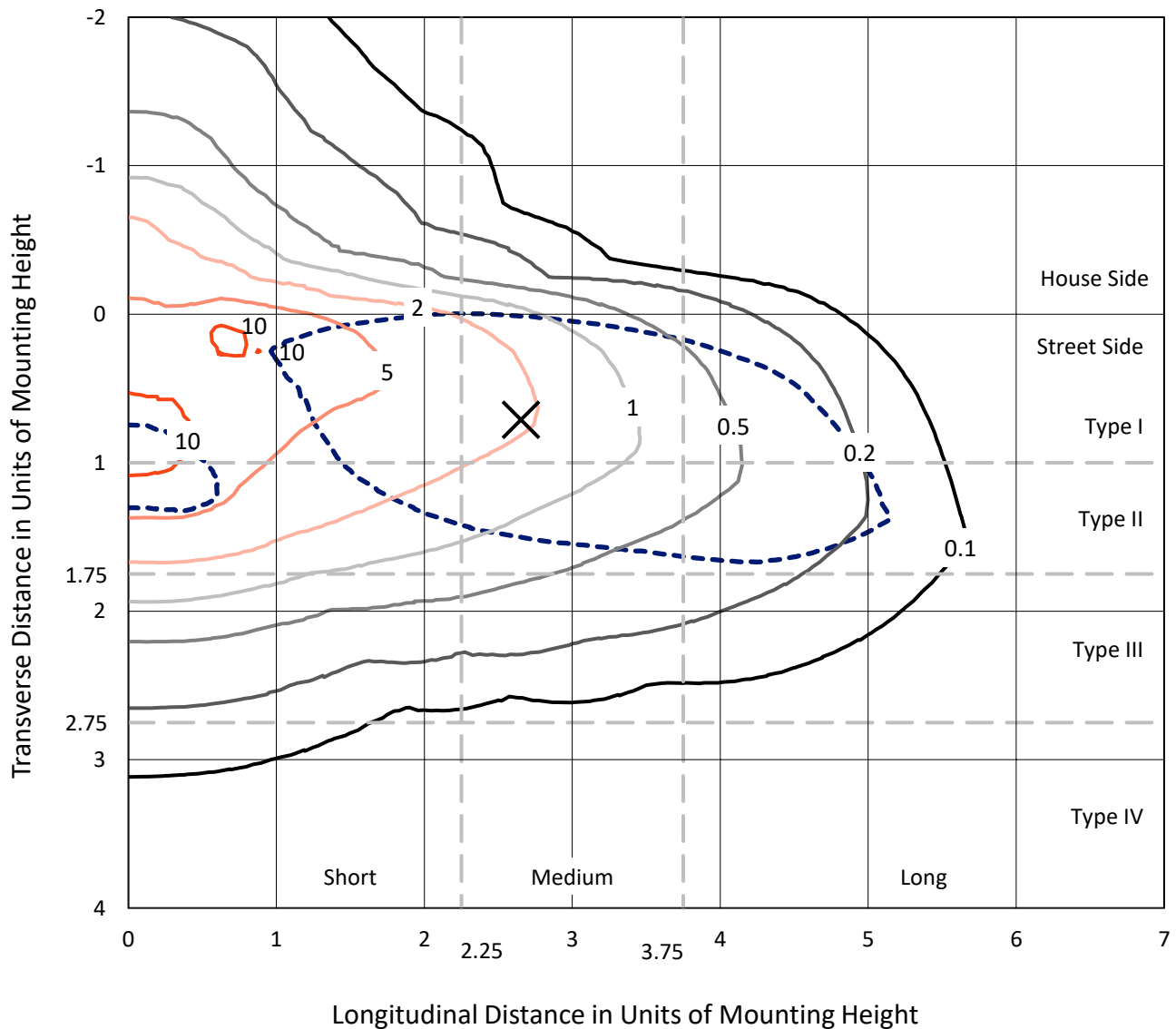


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

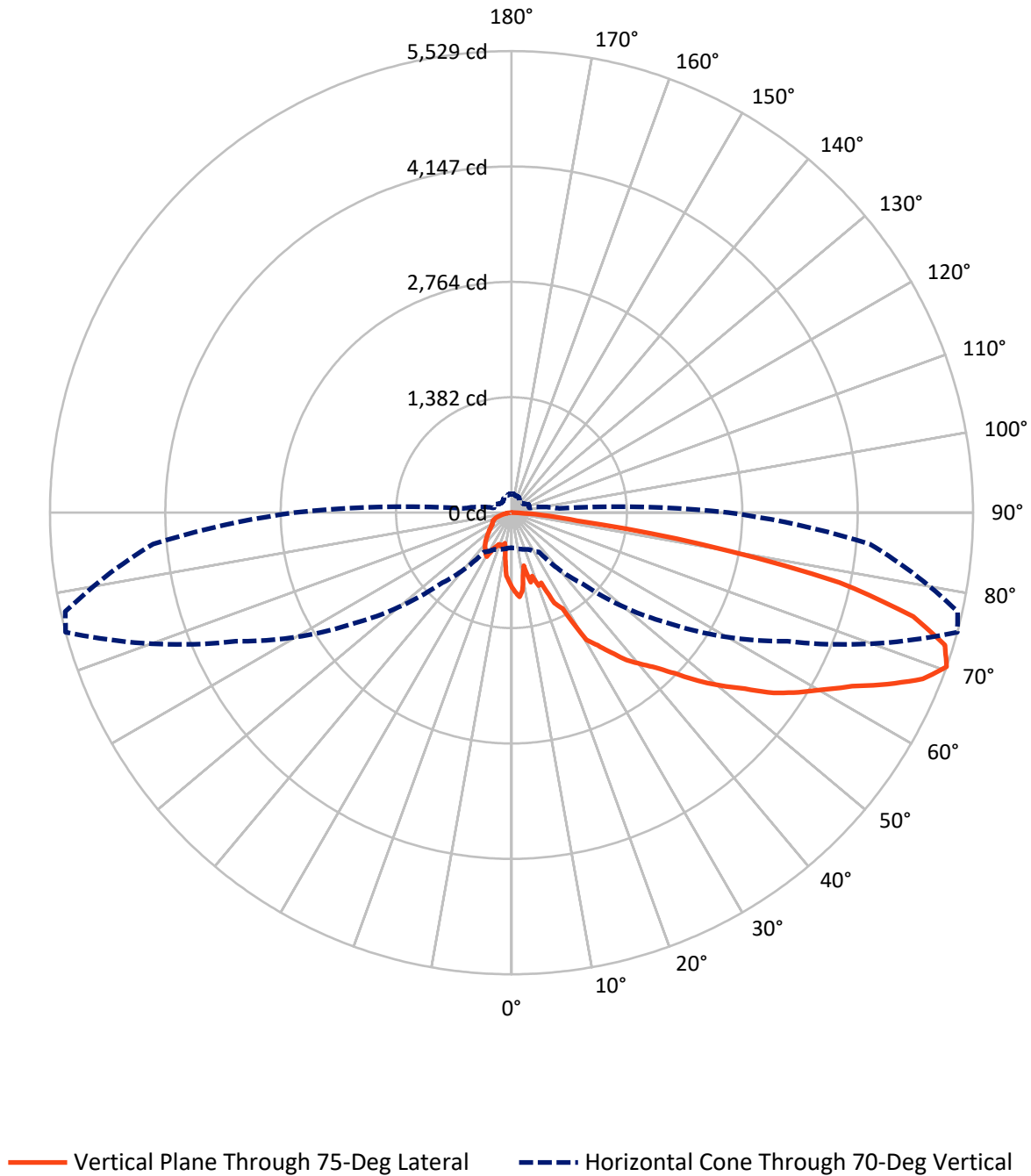


Based on 10 foot mounting height. Maximum calculated value = 14.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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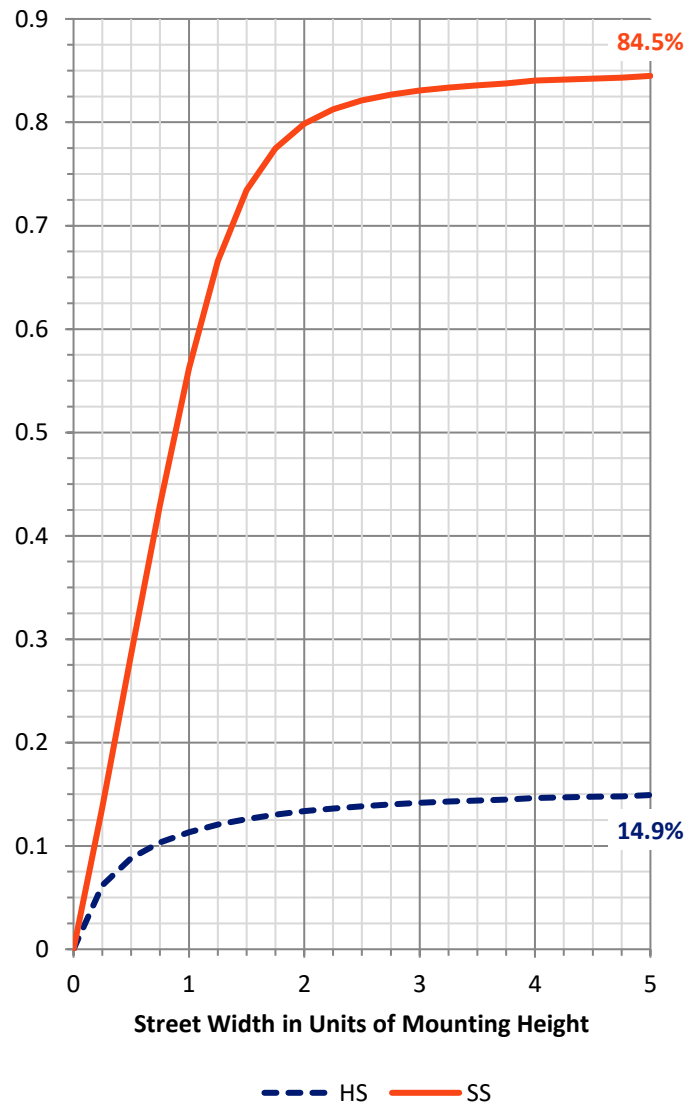
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	941.6	0.0	941.6
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	5248.2	0.0	5248.2
	% Fixture	84.8	0.0	84.8
Total	Lumens	6189.8	0.0	6189.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.0	1.2
10°-20°	196.6	3.2
20°-30°	359.5	5.8
30°-40°	729.8	11.8
40°-50°	1120.1	18.1
50°-60°	1350.3	21.8
60°-70°	1305.9	21.1
70°-80°	905.8	14.6
80°-90°	147.9	2.4
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°	6189.8	100.0
0°-180°	6189.8	100.0

Coefficient of Utilization



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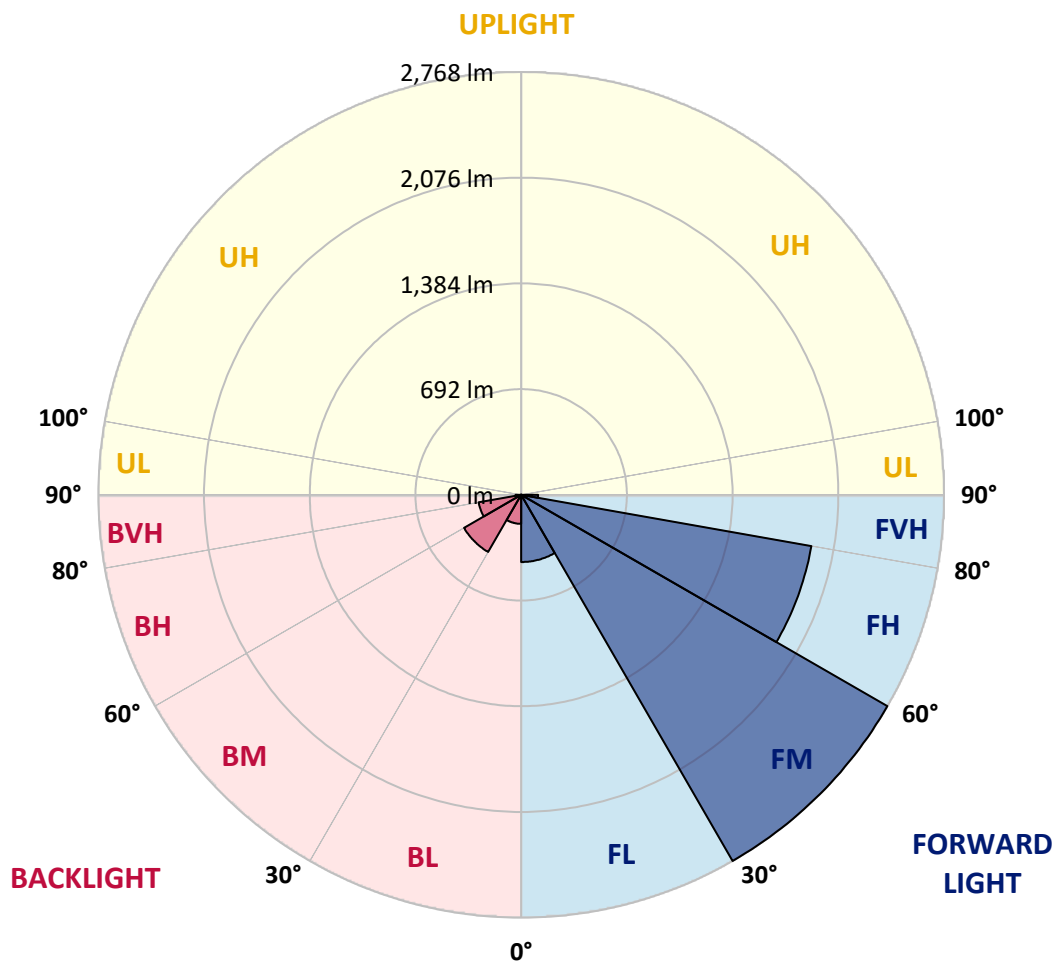
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	440.0	7.1			
FM	(30°-60°)	2768.2	44.7			
FH	(60°-80°)	1929.2	31.2			G2/5000
FVH	(80°-90°)	110.8	1.8			G2/225
BL	(0°-30°)	190.1	3.1	B1/500		
BM	(30°-60°)	431.9	7.0	B1/1000		
BH	(60°-80°)	282.5	4.6	B1/500		G1/500
BVH	(80°-90°)	37.1	0.6			G1/100
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 Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	894.5	894.5	894.5	894.5	894.5	894.5	894.5	894.5	894.5	894.5	894.5
2.5°	928.7	1017.5	974.2	1024.3	1049.3	1033.4	1019.7	985.6	956.0	944.6	915.0
5°	1024.3	1022.0	1010.6	1006.1	985.6	960.5	940.1	1053.9	1012.9	992.4	940.1
7.5°	908.2	985.6	1042.5	1072.1	1072.1	1042.5	1010.6	871.8	942.3	924.1	849.0
10°	1140.4	1140.4	1138.1	1140.4	935.5	985.6	846.7	787.6	762.5	821.7	762.5
12.5°	969.7	1053.9	1149.5	1183.6	1090.3	931.0	867.2	833.1	653.3	639.6	676.0
15°	1140.4	1147.2	1156.3	1017.5	864.9	987.9	755.7	748.9	864.9	844.5	853.6
17.5°	915.0	924.1	1122.2	1097.1	1006.1	748.9	942.3	842.2	798.9	771.6	769.3
20°	1154.0	1158.6	1156.3	867.2	928.7	1019.7	976.5	742.0	931.0	942.3	953.7
22.5°	976.5	978.8	990.1	1103.9	940.1	1063.0	880.9	1106.2	912.7	940.1	710.2
25°	1313.4	1313.4	1272.4	994.7	1138.1	969.7	1072.1	951.4	1197.3	1165.4	1067.5
27.5°	1224.6	1215.5	1167.7	1231.4	1026.6	1226.9	1060.7	1195.0	1299.7	1254.2	1295.1
30°	1720.8	1732.2	1670.7	1279.2	1249.6	1176.8	1222.3	1415.8	1768.6	1743.6	1556.9
32.5°	2303.5	2196.5	1916.5	1657.1	1365.7	1436.3	1365.7	1670.7	1893.8	1898.3	1648.0
35°	2585.7	2576.6	2456.0	1955.2	1570.6	1570.6	1531.9	1743.6	2055.4	2025.8	1745.8
37.5°	2811.1	2797.4	2713.2	2210.2	1754.9	1745.8	1620.6	1855.1	2239.8	2164.6	1852.8
40°	3002.3	2984.1	2911.2	2387.7	1955.2	1912.0	1729.9	1982.6	2383.2	2390.0	1955.2
42.5°	3129.7	3122.9	3070.6	2549.3	2121.4	2044.0	1875.6	2146.4	2535.7	2574.4	2082.7
45°	3229.9	3227.6	3182.1	2726.9	2239.8	2164.6	2030.4	2269.4	2745.1	2767.8	2219.3
47.5°	3241.3	3250.4	3250.4	2815.6	2321.7	2271.6	2189.7	2378.6	3011.4	2963.6	2378.6
50°	3122.9	3132.0	3188.9	2963.6	2392.3	2360.4	2326.3	2510.6	3254.9	3184.4	2547.0
52.5°	2820.2	2840.7	2995.5	2890.7	2428.7	2426.4	2453.7	2681.3	3503.0	3427.9	2770.1
55°	2169.2	2182.9	2567.5	2676.8	2417.3	2442.3	2549.3	2893.0	3810.3	3744.3	3004.6
57.5°	1657.1	1695.8	1937.0	2271.6	2292.1	2428.7	2610.8	3041.0	4058.4	3992.4	3220.8
60°	1333.8	1361.2	1502.3	1795.9	2023.5	2369.5	2695.0	3225.3	4299.7	4267.8	3453.0
62.5°	1044.8	1063.0	1160.9	1354.3	1643.4	2230.7	2747.3	3425.7	4577.4	4561.5	3755.7
65°	748.9	767.1	853.6	981.0	1270.1	1968.9	2722.3	3616.9	4950.7	4934.8	4049.3
67.5°	546.3	550.8	607.7	694.2	901.4	1593.3	2599.4	3737.5	5314.9	5283.0	4274.7
70°	421.1	425.6	453.0	484.8	575.9	1206.4	2312.6	3646.4	5528.8	5474.2	4308.8
72.5°	341.4	341.4	352.8	368.7	393.8	787.6	1816.4	3289.1	5428.7	5321.7	4024.3
75°	286.8	286.8	293.6	289.1	275.4	491.7	1263.3	2747.3	4971.2	4836.9	3503.0
77.5°	241.3	239.0	239.0	241.3	214.0	334.6	771.6	2116.8	4017.5	3887.7	2597.1
80°	198.0	198.0	198.0	198.0	175.3	239.0	459.8	1404.4	2308.0	2014.4	1190.4
82.5°	145.7	148.0	154.8	154.8	145.7	175.3	239.0	587.3	789.8	698.8	421.1
85°	68.3	70.6	91.0	95.6	93.3	86.5	125.2	264.0	368.7	334.6	97.9
87.5°	2.3	2.3	9.1	20.5	18.2	13.7	25.0	36.4	13.7	15.9	11.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	894.5	894.5	894.5	894.5	894.5	894.5	894.5	894.5	894.5	894.5	894.5
2.5°	894.5	874.1	826.3	785.3	742.0	712.4	646.4	598.6	573.6	569.0	575.9
5°	899.1	853.6	758.0	637.3	546.3	523.5	514.4	512.1	509.9	509.9	509.9
7.5°	792.1	732.9	589.5	500.8	514.4	514.4	514.4	507.6	466.6	448.4	448.4
10°	698.8	621.4	439.3	405.2	407.4	427.9	482.6	539.5	550.8	553.1	555.4
12.5°	605.5	530.4	373.3	393.8	355.1	421.1	498.5	555.4	500.8	473.4	473.4
15°	762.5	655.5	432.5	346.0	350.5	421.1	380.1	514.4	550.8	553.1	555.4
17.5°	687.4	578.1	402.9	364.2	384.7	320.9	434.8	487.1	448.4	443.9	439.3
20°	835.4	687.4	421.1	361.9	359.6	389.2	368.7	368.7	500.8	500.8	500.8
22.5°	619.1	509.9	409.7	407.4	343.7	384.7	366.5	409.7	393.8	387.0	387.0
25°	908.2	719.3	448.4	357.4	368.7	339.2	377.8	336.9	416.5	421.1	421.1
27.5°	1090.3	844.5	487.1	396.1	339.2	364.2	311.8	339.2	320.9	323.2	323.2
30°	1299.7	990.1	605.5	414.3	348.3	300.5	309.6	293.6	348.3	341.4	339.2
32.5°	1356.6	999.2	582.7	439.3	339.2	302.7	280.0	302.7	323.2	352.8	352.8
35°	1422.6	1008.3	550.8	418.8	332.3	282.2	277.7	302.7	327.8	318.7	318.7
37.5°	1484.1	1015.2	525.8	393.8	305.0	275.4	275.4	280.0	305.0	291.4	291.4
40°	1554.6	1017.5	496.2	366.5	282.2	270.9	254.9	259.5	261.8	252.7	250.4
42.5°	1634.3	1015.2	462.1	341.4	261.8	252.7	241.3	241.3	248.1	245.8	243.6
45°	1720.8	1012.9	425.6	311.8	239.0	227.6	220.8	248.1	259.5	259.5	254.9
47.5°	1825.5	1012.9	391.5	277.7	223.1	204.9	200.3	229.9	252.7	257.2	261.8
50°	1946.1	1008.3	359.6	252.7	207.1	191.2	198.0	227.6	245.8	252.7	250.4
52.5°	2103.2	999.2	332.3	232.2	195.8	175.3	186.6	220.8	243.6	245.8	243.6
55°	2239.8	967.4	305.0	223.1	186.6	166.2	179.8	218.5	239.0	239.0	239.0
57.5°	2355.8	921.9	282.2	216.2	184.4	163.9	177.5	216.2	229.9	236.7	236.7
60°	2497.0	864.9	266.3	214.0	182.1	161.6	175.3	214.0	225.3	234.4	234.4
62.5°	2642.6	817.1	257.2	214.0	175.3	163.9	175.3	214.0	223.1	234.4	232.2
65°	2761.0	755.7	248.1	218.5	173.0	163.9	175.3	214.0	220.8	232.2	232.2
67.5°	2754.2	671.5	236.7	229.9	175.3	166.2	175.3	211.7	216.2	232.2	227.6
70°	2599.4	573.6	218.5	227.6	182.1	166.2	173.0	204.9	207.1	227.6	220.8
72.5°	2319.4	464.3	193.5	214.0	182.1	168.4	168.4	195.8	195.8	218.5	204.9
75°	1941.6	357.4	159.3	188.9	173.0	173.0	159.3	184.4	179.8	193.5	179.8
77.5°	1447.7	270.9	122.9	157.1	157.1	170.7	152.5	170.7	163.9	166.2	159.3
80°	603.2	163.9	93.3	122.9	134.3	166.2	145.7	154.8	138.8	138.8	134.3
82.5°	250.4	104.7	63.7	77.4	91.0	148.0	138.8	132.0	113.8	104.7	97.9
85°	91.0	56.9	43.2	52.4	59.2	102.4	100.2	84.2	66.0	72.8	59.2
87.5°	6.8	9.1	9.1	11.4	11.4	13.7	22.8	22.8	13.7	11.4	6.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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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CATALOG NUMBER: SDL-PA1-70-827-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	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

(END OF REPORT)