

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: P560999

Luminaire Tested: **SDL-PA1-70-830-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560999
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-PA1-70-830-U-T2R
Description: Springdale
(1) 80 CRI, 3000K, 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: 6691 lumens
Efficiency: N/A
Efficacy: 92.7 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



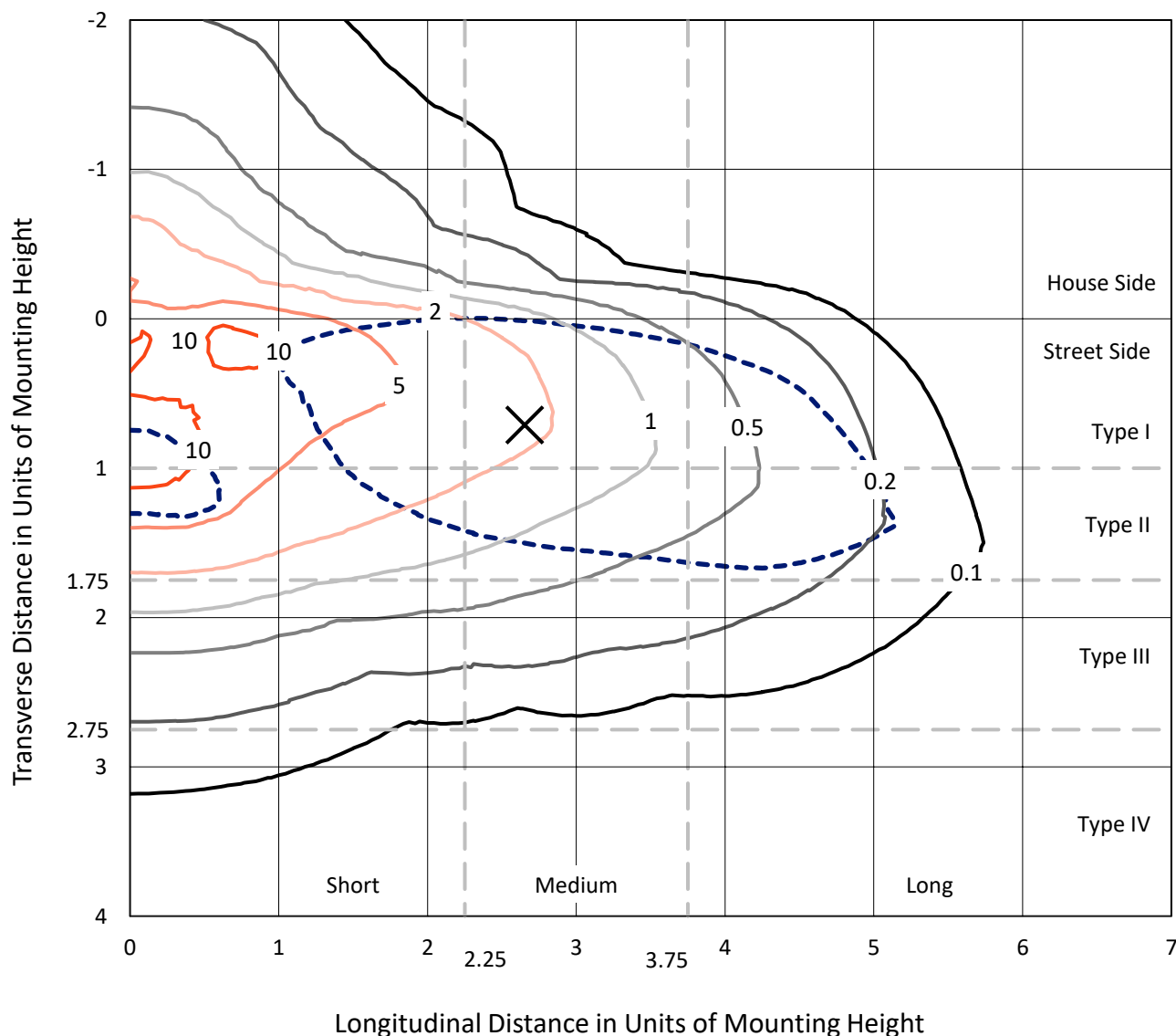
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

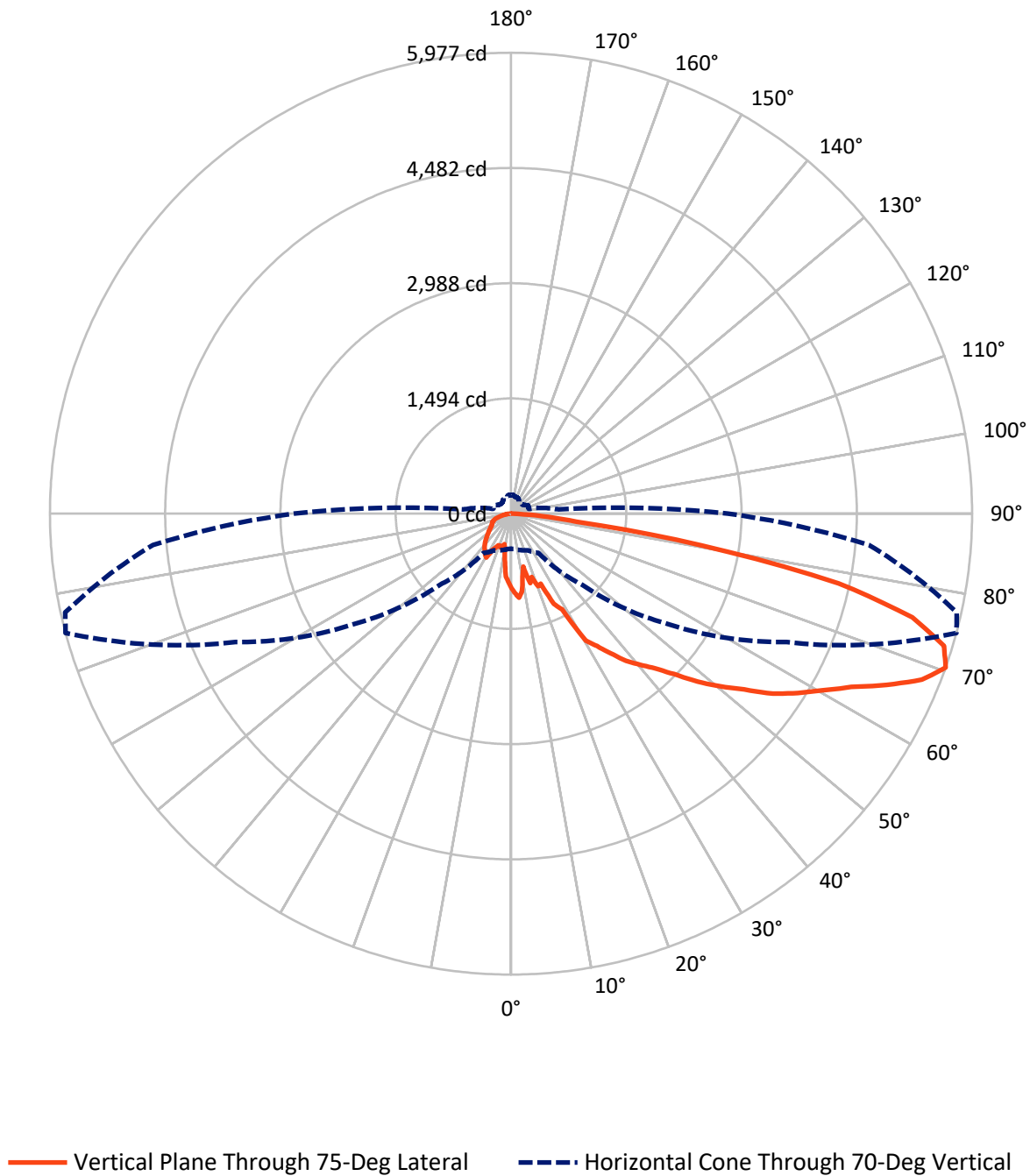


Based on 10 foot mounting height. Maximum calculated value = 15.2 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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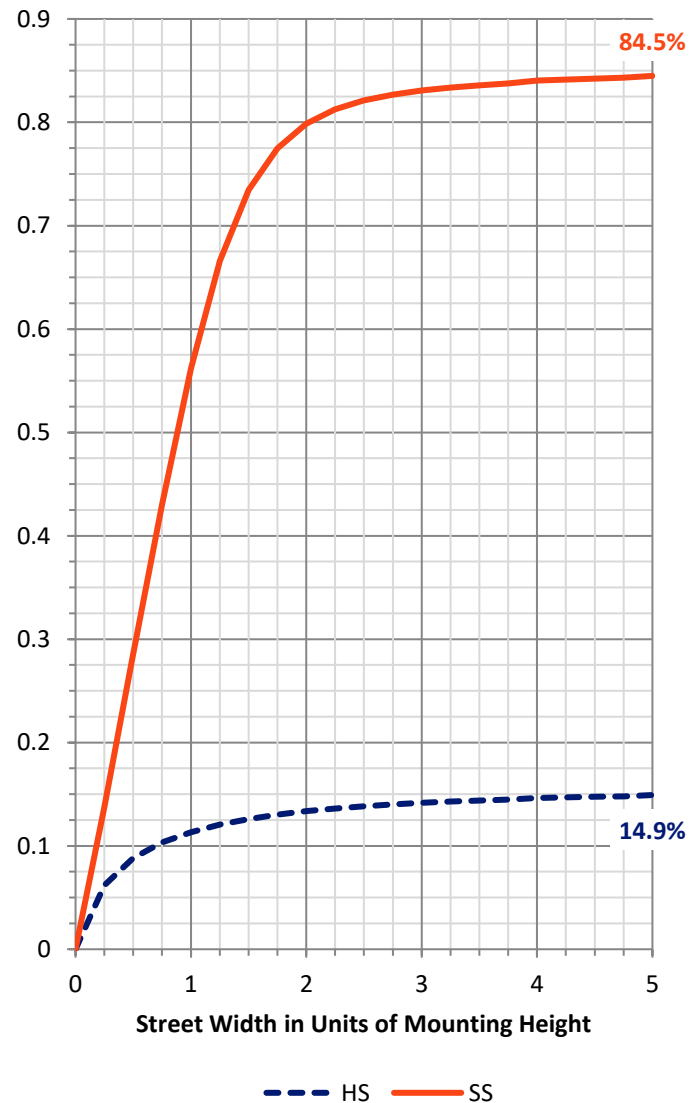
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1017.8	0.0	1017.8
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	5673.2	0.0	5673.2
	% Fixture	84.8	0.0	84.8
Total	Lumens	6691.0	0.0	6691.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.9	1.2
10°-20°	212.6	3.2
20°-30°	388.6	5.8
30°-40°	788.9	11.8
40°-50°	1210.7	18.1
50°-60°	1459.6	21.8
60°-70°	1411.6	21.1
70°-80°	979.2	14.6
80°-90°	159.9	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°	6691.0	100.0
0°-180°	6691.0	100.0

Coefficient of Utilization



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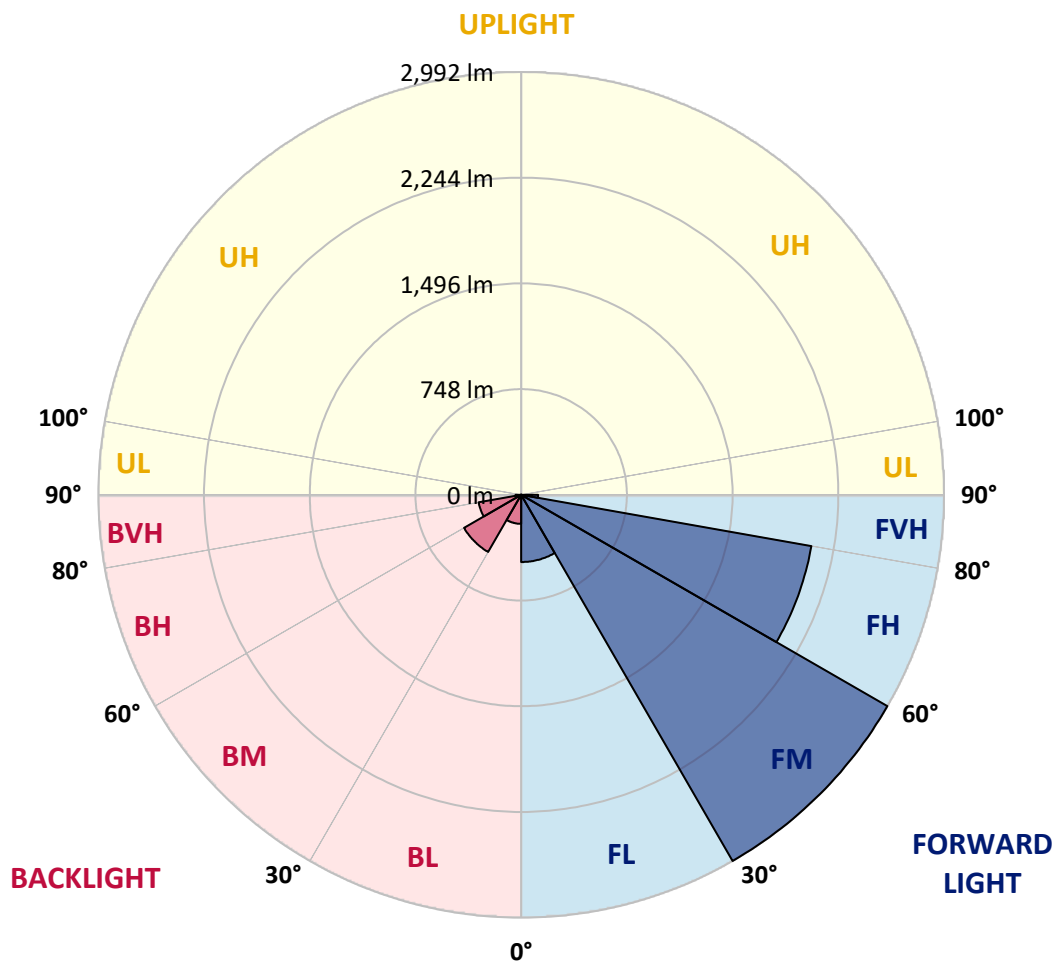
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	475.6	7.1			
FM	(30°-60°)	2992.4	44.7			
FH	(60°-80°)	2085.4	31.2			G2/5000
FVH	(80°-90°)	119.7	1.8			G2/225
BL	(0°-30°)	205.5	3.1	B1/500		
BM	(30°-60°)	466.9	7.0	B1/1000		
BH	(60°-80°)	305.3	4.6	B1/500		G1/500
BVH	(80°-90°)	40.2	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°	967.0	967.0	967.0	967.0	967.0	967.0	967.0	967.0	967.0	967.0	967.0
2.5°	1003.9	1099.8	1053.1	1107.2	1134.3	1117.1	1102.3	1065.4	1033.4	1021.1	989.1
5°	1107.2	1104.8	1092.5	1087.5	1065.4	1038.3	1016.2	1139.2	1094.9	1072.8	1016.2
7.5°	981.7	1065.4	1126.9	1158.9	1158.9	1126.9	1092.5	942.4	1018.6	999.0	917.8
10°	1232.7	1232.7	1230.2	1232.7	1011.3	1065.4	915.3	851.3	824.3	888.2	824.3
12.5°	1048.2	1139.2	1242.5	1279.5	1178.6	1006.3	937.4	900.5	706.2	691.4	730.8
15°	1232.7	1240.1	1249.9	1099.8	935.0	1067.9	816.9	809.5	935.0	912.8	922.7
17.5°	989.1	999.0	1213.0	1186.0	1087.5	809.5	1018.6	910.4	863.6	834.1	831.6
20°	1247.5	1252.4	1249.9	937.4	1003.9	1102.3	1055.5	802.1	1006.3	1018.6	1030.9
22.5°	1055.5	1058.0	1070.3	1193.3	1016.2	1149.0	952.2	1195.8	986.7	1016.2	767.7
25°	1419.7	1419.7	1375.4	1075.2	1230.2	1048.2	1158.9	1028.5	1294.2	1259.8	1154.0
27.5°	1323.7	1313.9	1262.2	1331.1	1109.7	1326.2	1146.6	1291.8	1404.9	1355.7	1400.0
30°	1860.1	1872.4	1806.0	1382.8	1350.8	1272.1	1321.3	1530.4	1911.8	1884.7	1683.0
32.5°	2490.0	2374.4	2071.7	1791.2	1476.3	1552.6	1476.3	1806.0	2047.1	2052.0	1781.4
35°	2795.1	2785.3	2654.9	2113.6	1697.7	1697.7	1655.9	1884.7	2221.8	2189.8	1887.2
37.5°	3038.7	3023.9	2932.9	2389.1	1897.0	1887.2	1751.9	2005.3	2421.1	2339.9	2002.8
40°	3245.4	3225.7	3147.0	2581.1	2113.6	2066.8	1870.0	2143.1	2576.1	2583.5	2113.6
42.5°	3383.2	3375.8	3319.2	2755.7	2293.2	2209.5	2027.4	2320.2	2741.0	2782.8	2251.3
45°	3491.4	3489.0	3439.8	2947.7	2421.1	2339.9	2194.8	2453.1	2967.3	2992.0	2399.0
47.5°	3503.7	3513.6	3513.6	3043.6	2509.7	2455.6	2367.0	2571.2	3255.2	3203.6	2571.2
50°	3375.8	3385.6	3447.1	3203.6	2586.0	2551.5	2514.6	2713.9	3518.5	3442.2	2753.3
52.5°	3048.5	3070.7	3238.0	3124.8	2625.3	2622.9	2652.4	2898.5	3786.7	3705.5	2994.4
55°	2344.8	2359.6	2775.4	2893.5	2613.0	2640.1	2755.7	3127.3	4118.9	4047.5	3247.8
57.5°	1791.2	1833.1	2093.9	2455.6	2477.7	2625.3	2822.2	3287.2	4387.0	4315.7	3481.6
60°	1441.8	1471.4	1623.9	1941.3	2187.4	2561.4	2913.2	3486.5	4647.9	4613.4	3732.6
62.5°	1129.4	1149.0	1254.8	1464.0	1776.5	2411.3	2969.8	3703.0	4948.0	4930.8	4059.8
65°	809.5	829.2	922.7	1060.5	1373.0	2128.3	2942.7	3909.7	5351.6	5334.3	4377.2
67.5°	590.5	595.4	656.9	750.4	974.4	1722.3	2809.9	4040.1	5745.2	5710.8	4620.8
70°	455.2	460.1	489.6	524.1	622.5	1304.1	2499.9	3941.7	5976.5	5917.5	4657.7
72.5°	369.1	369.1	381.4	398.6	425.7	851.3	1963.5	3555.4	5868.3	5752.6	4350.1
75°	310.0	310.0	317.4	312.5	297.7	531.5	1365.6	2969.8	5373.7	5228.5	3786.7
77.5°	260.8	258.4	258.4	260.8	231.3	361.7	834.1	2288.3	4342.8	4202.5	2807.4
80°	214.1	214.1	214.1	214.1	189.5	258.4	497.0	1518.1	2494.9	2177.5	1286.8
82.5°	157.5	159.9	167.3	167.3	157.5	189.5	258.4	634.8	853.8	755.4	455.2
85°	73.8	76.3	98.4	103.3	100.9	93.5	135.3	285.4	398.6	361.7	105.8
87.5°	2.5	2.5	9.8	22.1	19.7	14.8	27.1	39.4	14.8	17.2	12.3
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°	967.0	967.0	967.0	967.0	967.0	967.0	967.0	967.0	967.0	967.0	967.0
2.5°	967.0	944.8	893.2	848.9	802.1	770.1	698.8	647.1	620.0	615.1	622.5
5°	971.9	922.7	819.3	688.9	590.5	565.9	556.1	553.6	551.1	551.1	551.1
7.5°	856.2	792.3	637.3	541.3	556.1	556.1	556.1	548.7	504.4	484.7	484.7
10°	755.4	671.7	474.9	438.0	440.4	462.6	521.6	583.1	595.4	597.9	600.4
12.5°	654.5	573.3	403.5	425.7	383.8	455.2	538.8	600.4	541.3	511.8	511.8
15°	824.3	708.6	467.5	374.0	378.9	455.2	410.9	556.1	595.4	597.9	600.4
17.5°	743.1	625.0	435.5	393.7	415.8	346.9	470.0	526.5	484.7	479.8	474.9
20°	903.0	743.1	455.2	391.2	388.8	420.7	398.6	398.6	541.3	541.3	541.3
22.5°	669.3	551.1	442.9	440.4	371.5	415.8	396.1	442.9	425.7	418.3	418.3
25°	981.7	777.5	484.7	386.3	398.6	366.6	408.4	364.2	450.3	455.2	455.2
27.5°	1178.6	912.8	526.5	428.1	366.6	393.7	337.1	366.6	346.9	349.4	349.4
30°	1404.9	1070.3	654.5	447.8	376.5	324.8	334.6	317.4	376.5	369.1	366.6
32.5°	1466.4	1080.2	629.9	474.9	366.6	327.2	302.6	327.2	349.4	381.4	381.4
35°	1537.8	1090.0	595.4	452.7	359.2	305.1	300.2	327.2	354.3	344.5	344.5
37.5°	1604.2	1097.4	568.4	425.7	329.7	297.7	297.7	302.6	329.7	314.9	314.9
40°	1680.5	1099.8	536.4	396.1	305.1	292.8	275.6	280.5	283.0	273.1	270.7
42.5°	1766.6	1097.4	499.5	369.1	283.0	273.1	260.8	260.8	268.2	265.7	263.3
45°	1860.1	1094.9	460.1	337.1	258.4	246.0	238.7	268.2	280.5	280.5	275.6
47.5°	1973.3	1094.9	423.2	300.2	241.1	221.4	216.5	248.5	273.1	278.0	283.0
50°	2103.7	1090.0	388.8	273.1	223.9	206.7	214.1	246.0	265.7	273.1	270.7
52.5°	2273.5	1080.2	359.2	251.0	211.6	189.5	201.8	238.7	263.3	265.7	263.3
55°	2421.1	1045.7	329.7	241.1	201.8	179.6	194.4	236.2	258.4	258.4	258.4
57.5°	2546.6	996.5	305.1	233.7	199.3	177.2	191.9	233.7	248.5	255.9	255.9
60°	2699.2	935.0	287.9	231.3	196.8	174.7	189.5	231.3	243.6	253.4	253.4
62.5°	2856.6	883.3	278.0	231.3	189.5	177.2	189.5	231.3	241.1	253.4	251.0
65°	2984.6	816.9	268.2	236.2	187.0	177.2	189.5	231.3	238.7	251.0	251.0
67.5°	2977.2	725.8	255.9	248.5	189.5	179.6	189.5	228.8	233.7	251.0	246.0
70°	2809.9	620.0	236.2	246.0	196.8	179.6	187.0	221.4	223.9	246.0	238.7
72.5°	2507.2	501.9	209.1	231.3	196.8	182.1	182.1	211.6	211.6	236.2	221.4
75°	2098.8	386.3	172.2	204.2	187.0	187.0	172.2	199.3	194.4	209.1	194.4
77.5°	1564.9	292.8	132.9	169.8	169.8	184.5	164.9	184.5	177.2	179.6	172.2
80°	652.0	177.2	100.9	132.9	145.2	179.6	157.5	167.3	150.1	150.1	145.2
82.5°	270.7	113.2	68.9	83.7	98.4	159.9	150.1	142.7	123.0	113.2	105.8
85°	98.4	61.5	46.7	56.6	64.0	110.7	108.3	91.0	71.4	78.7	64.0
87.5°	7.4	9.8	9.8	12.3	12.3	14.8	24.6	24.6	14.8	12.3	7.4
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



REPORT NUMBER: P560999

CATALOG NUMBER: SDL-PA1-70-830-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)