

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: P561329

Luminaire Tested: **SDL-PA1-90-827-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561329
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-PA1-90-827-U-T2R
Description: Springdale
(1) 80 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7446.7 lumens
Efficiency: N/A
Efficacy: 80.6 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): 92.4
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

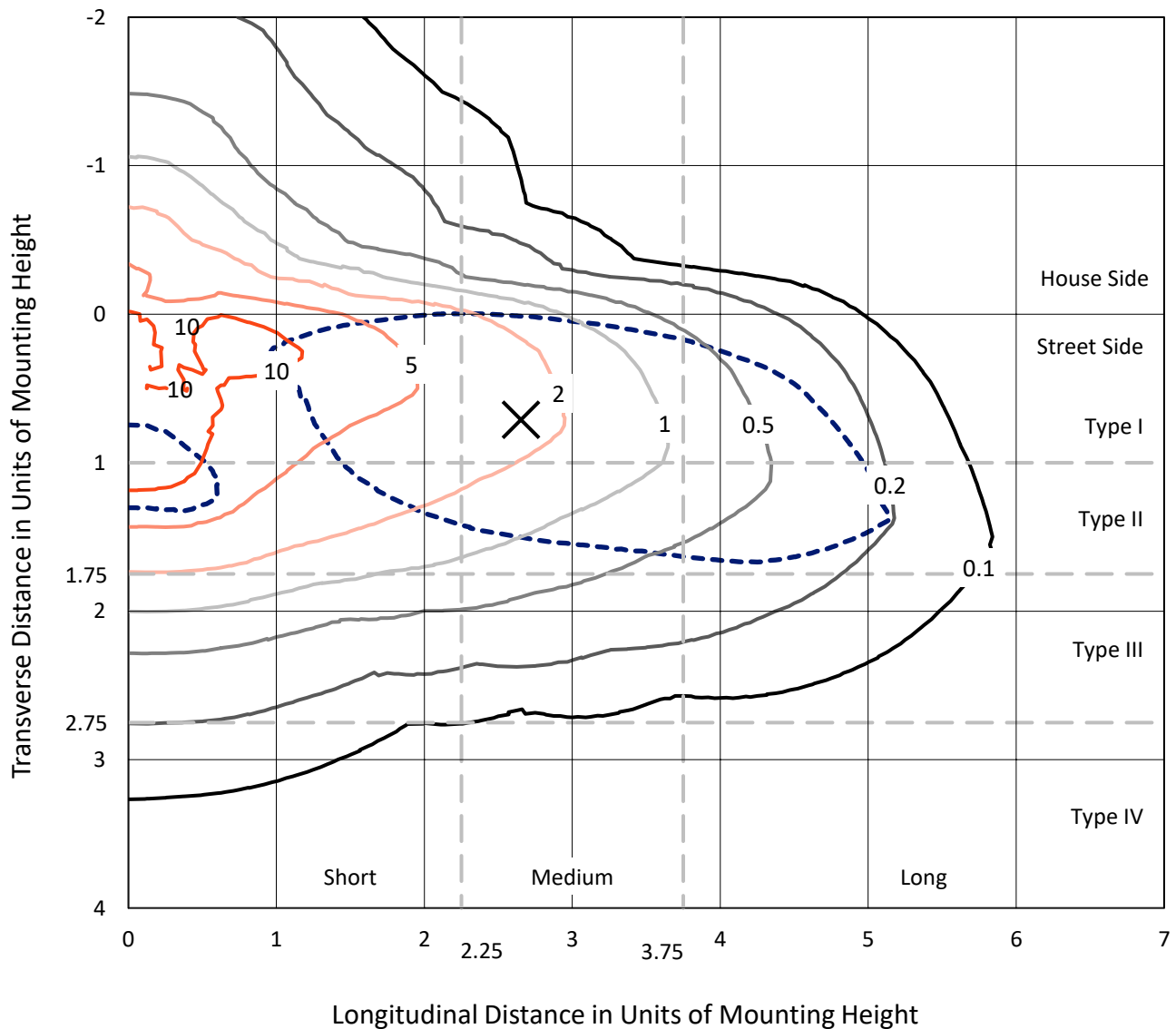


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

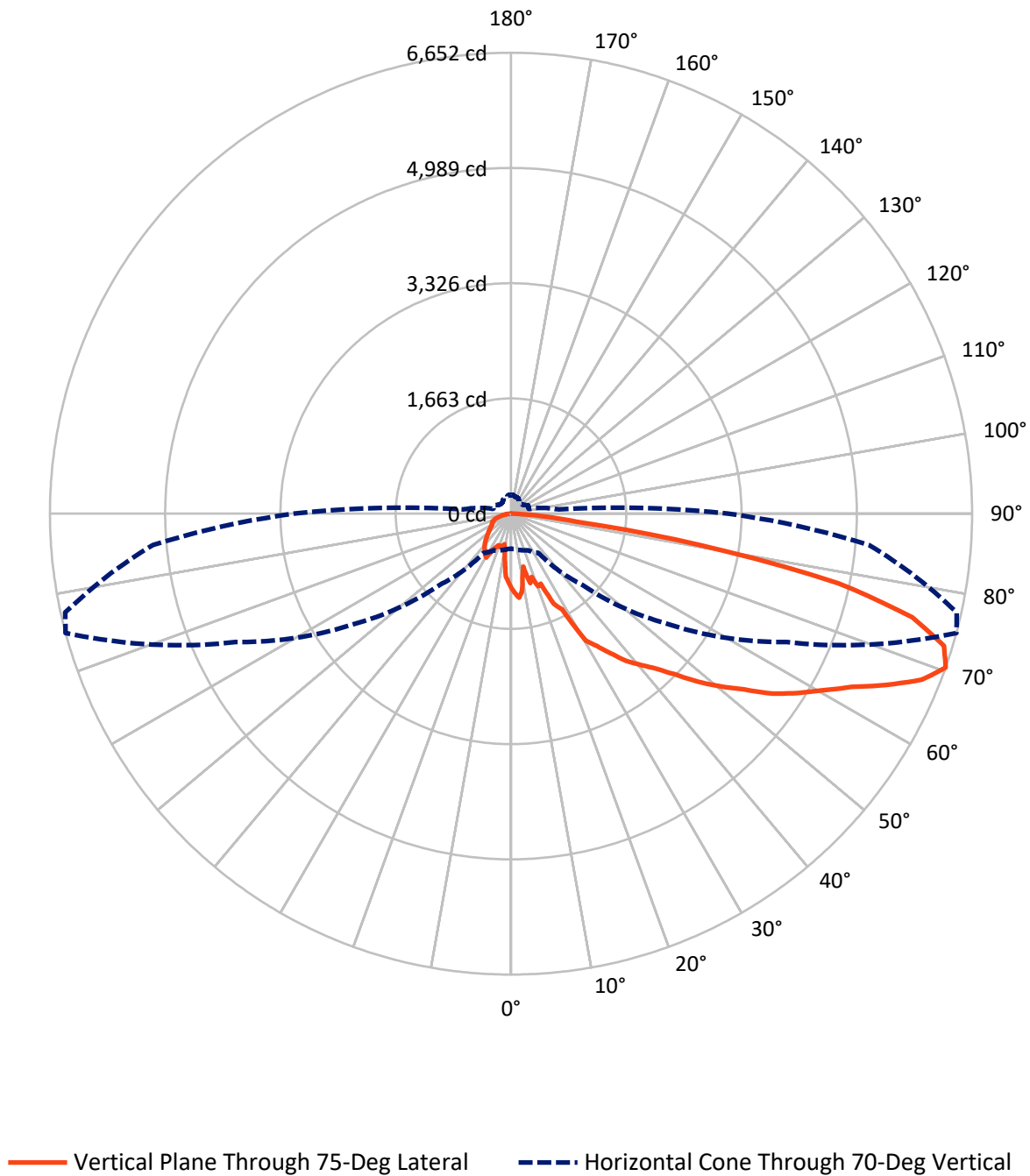


Based on 10 foot mounting height. Maximum calculated value = 17 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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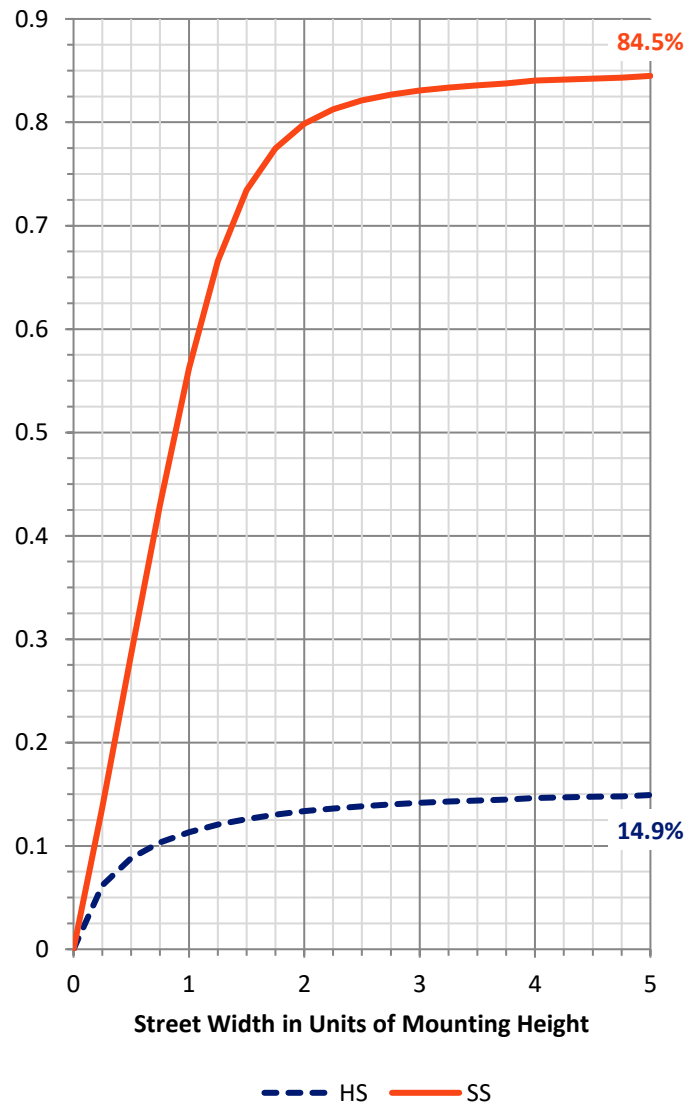
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1132.8	0.0	1132.8
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	6313.9	0.0	6313.9
	% Fixture	84.8	0.0	84.8
Total	Lumens	7446.7	0.0	7446.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	89.0	1.2
10°-20°	236.6	3.2
20°-30°	432.5	5.8
30°-40°	878.0	11.8
40°-50°	1347.5	18.1
50°-60°	1624.5	21.8
60°-70°	1571.0	21.1
70°-80°	1089.7	14.6
80°-90°	178.0	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°	7446.7	100.0
0°-180°	7446.7	100.0

Coefficient of Utilization



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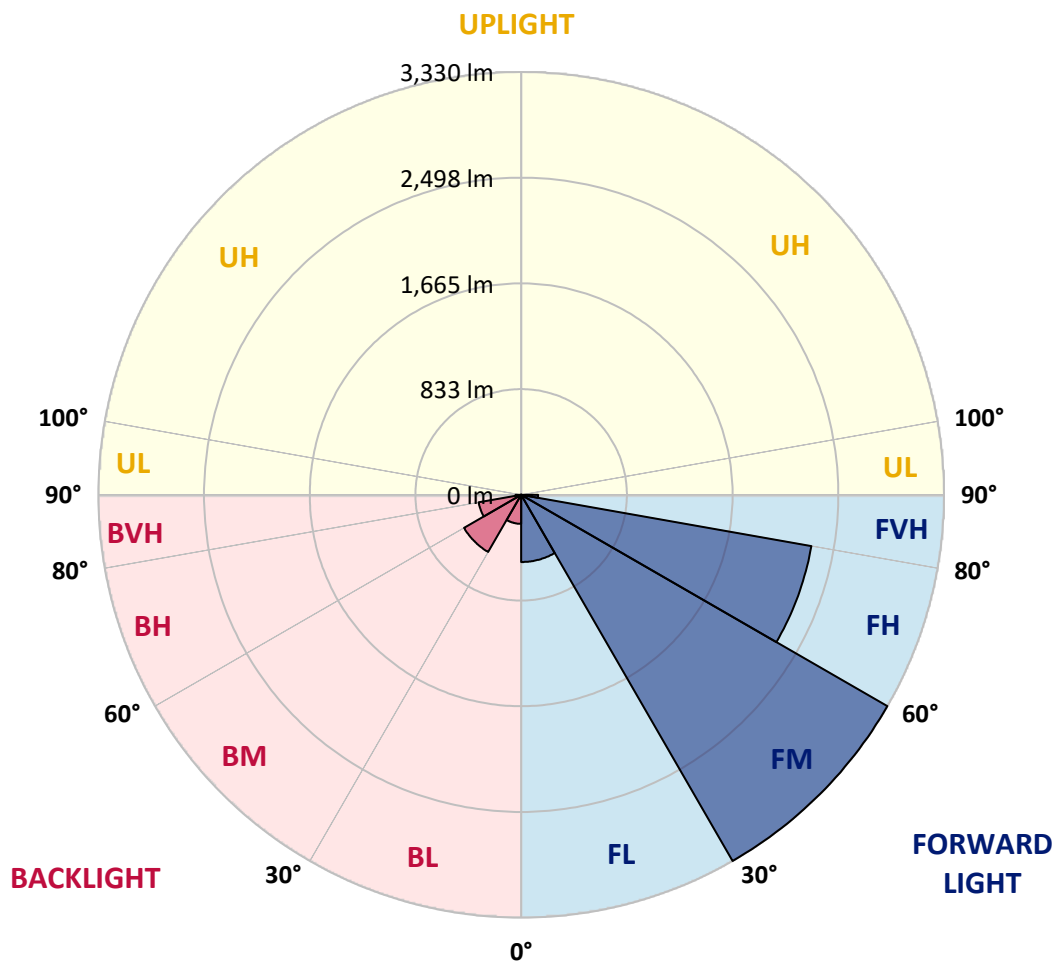
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	529.3	7.1			
FM	(30°-60°)	3330.3	44.7			
FH	(60°-80°)	2320.9	31.2			G2/5000
FVH	(80°-90°)	133.3	1.8			G2/225
BL	(0°-30°)	228.7	3.1	B1/500		
BM	(30°-60°)	519.6	7.0	B1/1000		
BH	(60°-80°)	339.8	4.6	B1/500		G1/500
BVH	(80°-90°)	44.7	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°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1117.3	1224.0	1172.0	1232.3	1262.4	1243.2	1226.8	1185.7	1150.1	1136.4	1100.8
5°	1232.3	1229.5	1215.8	1210.4	1185.7	1155.6	1130.9	1267.9	1218.6	1193.9	1130.9
7.5°	1092.6	1185.7	1254.2	1289.8	1289.8	1254.2	1215.8	1048.8	1133.7	1111.8	1021.4
10°	1371.9	1371.9	1369.2	1371.9	1125.5	1185.7	1018.7	947.5	917.4	988.5	917.4
12.5°	1166.5	1267.9	1382.9	1423.9	1311.7	1120.0	1043.3	1002.2	785.9	769.5	813.3
15°	1371.9	1380.1	1391.1	1224.0	1040.6	1188.4	909.1	900.9	1040.6	1015.9	1026.9
17.5°	1100.8	1111.8	1350.0	1319.9	1210.4	900.9	1133.7	1013.2	961.2	928.3	925.6
20°	1388.4	1393.8	1391.1	1043.3	1117.3	1226.8	1174.8	892.7	1120.0	1133.7	1147.4
22.5°	1174.8	1177.5	1191.2	1328.1	1130.9	1278.8	1059.7	1330.8	1098.1	1130.9	854.4
25°	1580.0	1580.0	1530.7	1196.7	1369.2	1166.5	1289.8	1144.6	1440.4	1402.0	1284.3
27.5°	1473.2	1462.3	1404.8	1481.5	1235.0	1476.0	1276.1	1437.6	1563.6	1508.8	1558.1
30°	2070.2	2083.9	2010.0	1539.0	1503.4	1415.7	1470.5	1703.3	2127.7	2097.6	1873.0
32.5°	2771.2	2642.5	2305.7	1993.5	1643.0	1727.9	1643.0	2010.0	2278.3	2283.8	1982.6
35°	3110.8	3099.8	2954.7	2352.3	1889.5	1889.5	1842.9	2097.6	2472.7	2437.1	2100.3
37.5°	3381.9	3365.4	3264.1	2659.0	2111.3	2100.3	1949.7	2231.8	2694.5	2604.2	2229.0
40°	3611.9	3590.0	3502.4	2872.5	2352.3	2300.2	2081.2	2385.1	2867.1	2875.3	2352.3
42.5°	3765.2	3757.0	3694.1	3067.0	2552.2	2459.1	2256.4	2582.3	3050.5	3097.1	2505.6
45°	3885.7	3883.0	3828.2	3280.6	2694.5	2604.2	2442.6	2730.1	3302.5	3329.8	2669.9
47.5°	3899.4	3910.4	3910.4	3387.4	2793.1	2732.9	2634.3	2861.6	3622.9	3565.3	2861.6
50°	3757.0	3768.0	3836.4	3565.3	2878.0	2839.7	2798.6	3020.4	3915.9	3831.0	3064.2
52.5°	3392.8	3417.5	3603.7	3477.7	2921.8	2919.1	2952.0	3225.8	4214.3	4124.0	3332.6
55°	2609.7	2626.1	3088.9	3220.3	2908.1	2938.3	3067.0	3480.5	4584.0	4504.6	3614.6
57.5°	1993.5	2040.1	2330.3	2732.9	2757.5	2921.8	3140.9	3658.5	4882.5	4803.1	3874.8
60°	1604.7	1637.5	1807.3	2160.6	2434.4	2850.6	3242.2	3880.3	5172.8	5134.4	4154.1
62.5°	1256.9	1278.8	1396.6	1629.3	1977.1	2683.6	3305.2	4121.2	5506.8	5487.7	4518.3
65°	900.9	922.8	1026.9	1180.2	1528.0	2368.7	3275.1	4351.3	5955.9	5936.8	4871.5
67.5°	657.2	662.7	731.1	835.2	1084.4	1916.9	3127.2	4496.4	6394.1	6355.7	5142.6
70°	506.6	512.1	544.9	583.3	692.8	1451.3	2782.2	4386.9	6651.5	6585.8	5183.7
72.5°	410.8	410.8	424.4	443.6	473.7	947.5	2185.2	3956.9	6531.0	6402.3	4841.4
75°	345.0	345.0	353.2	347.8	331.3	591.5	1519.8	3305.2	5980.6	5819.0	4214.3
77.5°	290.3	287.5	287.5	290.3	257.4	402.5	928.3	2546.7	4833.2	4677.1	3124.5
80°	238.2	238.2	238.2	238.2	210.9	287.5	553.1	1689.6	2776.7	2423.5	1432.2
82.5°	175.3	178.0	186.2	186.2	175.3	210.9	287.5	706.5	950.2	840.7	506.6
85°	82.2	84.9	109.5	115.0	112.3	104.1	150.6	317.7	443.6	402.5	117.7
87.5°	2.7	2.7	11.0	24.6	21.9	16.4	30.1	43.8	16.4	19.2	13.7
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°	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2	1076.2
2.5°	1076.2	1051.5	994.0	944.7	892.7	857.1	777.7	720.2	690.1	684.6	692.8
5°	1081.7	1026.9	911.9	766.7	657.2	629.8	618.9	616.1	613.4	613.4	613.4
7.5°	953.0	881.8	709.2	602.4	618.9	618.9	618.9	610.7	561.4	539.5	539.5
10°	840.7	747.6	528.5	487.4	490.2	514.8	580.5	649.0	662.7	665.4	668.2
12.5°	728.4	638.0	449.1	473.7	427.2	506.6	599.7	668.2	602.4	569.6	569.6
15°	917.4	788.6	520.3	416.2	421.7	506.6	457.3	618.9	662.7	665.4	668.2
17.5°	827.0	695.5	484.7	438.1	462.8	386.1	523.0	586.0	539.5	534.0	528.5
20°	1005.0	827.0	506.6	435.4	432.7	468.3	443.6	443.6	602.4	602.4	602.4
22.5°	744.8	613.4	492.9	490.2	413.5	462.8	440.9	492.9	473.7	465.5	465.5
25°	1092.6	865.3	539.5	429.9	443.6	408.0	454.6	405.3	501.1	506.6	506.6
27.5°	1311.7	1015.9	586.0	476.5	408.0	438.1	375.2	408.0	386.1	388.8	388.8
30°	1563.6	1191.2	728.4	498.4	419.0	361.5	372.4	353.2	419.0	410.8	408.0
32.5°	1632.1	1202.1	701.0	528.5	408.0	364.2	336.8	364.2	388.8	424.4	424.4
35°	1711.5	1213.1	662.7	503.9	399.8	339.6	334.1	364.2	394.3	383.4	383.4
37.5°	1785.4	1221.3	632.6	473.7	366.9	331.3	331.3	336.8	366.9	350.5	350.5
40°	1870.3	1224.0	597.0	440.9	339.6	325.9	306.7	312.2	314.9	304.0	301.2
42.5°	1966.1	1221.3	555.9	410.8	314.9	304.0	290.3	290.3	298.5	295.7	293.0
45°	2070.2	1218.6	512.1	375.2	287.5	273.8	265.6	298.5	312.2	312.2	306.7
47.5°	2196.2	1218.6	471.0	334.1	268.4	246.5	241.0	276.6	304.0	309.4	314.9
50°	2341.3	1213.1	432.7	304.0	249.2	230.0	238.2	273.8	295.7	304.0	301.2
52.5°	2530.2	1202.1	399.8	279.3	235.5	210.9	224.5	265.6	293.0	295.7	293.0
55°	2694.5	1163.8	366.9	268.4	224.5	199.9	216.3	262.9	287.5	287.5	287.5
57.5°	2834.2	1109.0	339.6	260.1	221.8	197.2	213.6	260.1	276.6	284.8	284.8
60°	3004.0	1040.6	320.4	257.4	219.1	194.4	210.9	257.4	271.1	282.1	282.1
62.5°	3179.2	983.1	309.4	257.4	210.9	197.2	210.9	257.4	268.4	282.1	279.3
65°	3321.6	909.1	298.5	262.9	208.1	197.2	210.9	257.4	265.6	279.3	279.3
67.5°	3313.4	807.8	284.8	276.6	210.9	199.9	210.9	254.7	260.1	279.3	273.8
70°	3127.2	690.1	262.9	273.8	219.1	199.9	208.1	246.5	249.2	273.8	265.6
72.5°	2790.4	558.6	232.8	257.4	219.1	202.6	202.6	235.5	235.5	262.9	246.5
75°	2335.8	429.9	191.7	227.3	208.1	208.1	191.7	221.8	216.3	232.8	216.3
77.5°	1741.6	325.9	147.9	188.9	188.9	205.4	183.5	205.4	197.2	199.9	191.7
80°	725.7	197.2	112.3	147.9	161.6	199.9	175.3	186.2	167.0	167.0	161.6
82.5°	301.2	126.0	76.7	93.1	109.5	178.0	167.0	158.8	136.9	126.0	117.7
85°	109.5	68.5	52.0	63.0	71.2	123.2	120.5	101.3	79.4	87.6	71.2
87.5°	8.2	11.0	11.0	13.7	13.7	16.4	27.4	27.4	16.4	13.7	8.2
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: P561329

CATALOG NUMBER: SDL-PA1-90-827-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)