

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: P561043

Luminaire Tested: **SDL-PA1-80-727-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561043
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-PA1-80-727-U-T2R
Description: Springdale
(1) 70 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7730.3 lumens
Efficiency: N/A
Efficacy: 94.3 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): 82
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

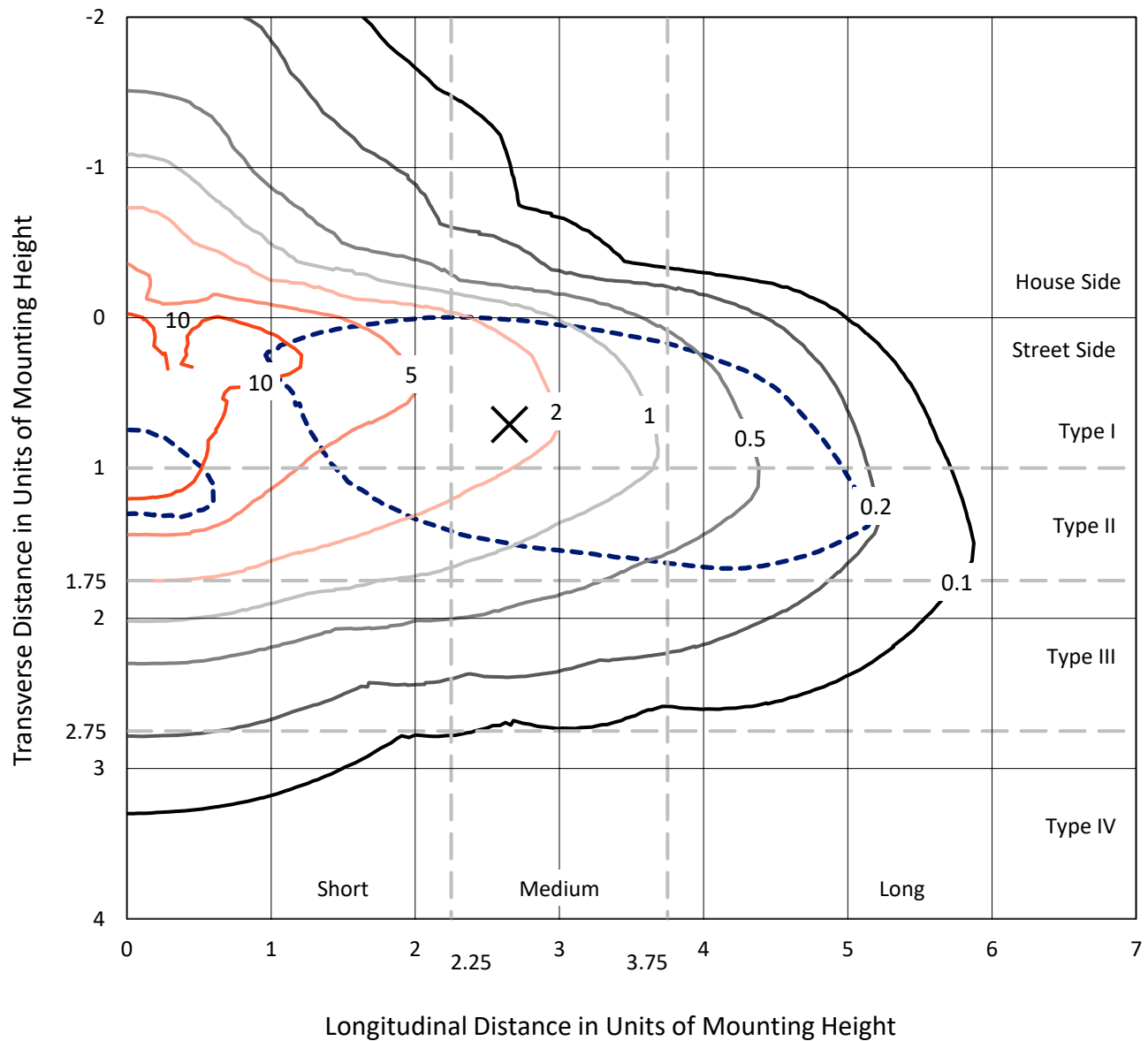


REPORT NUMBER: P561043

CATALOG NUMBER: SDL-PA1-80-727-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

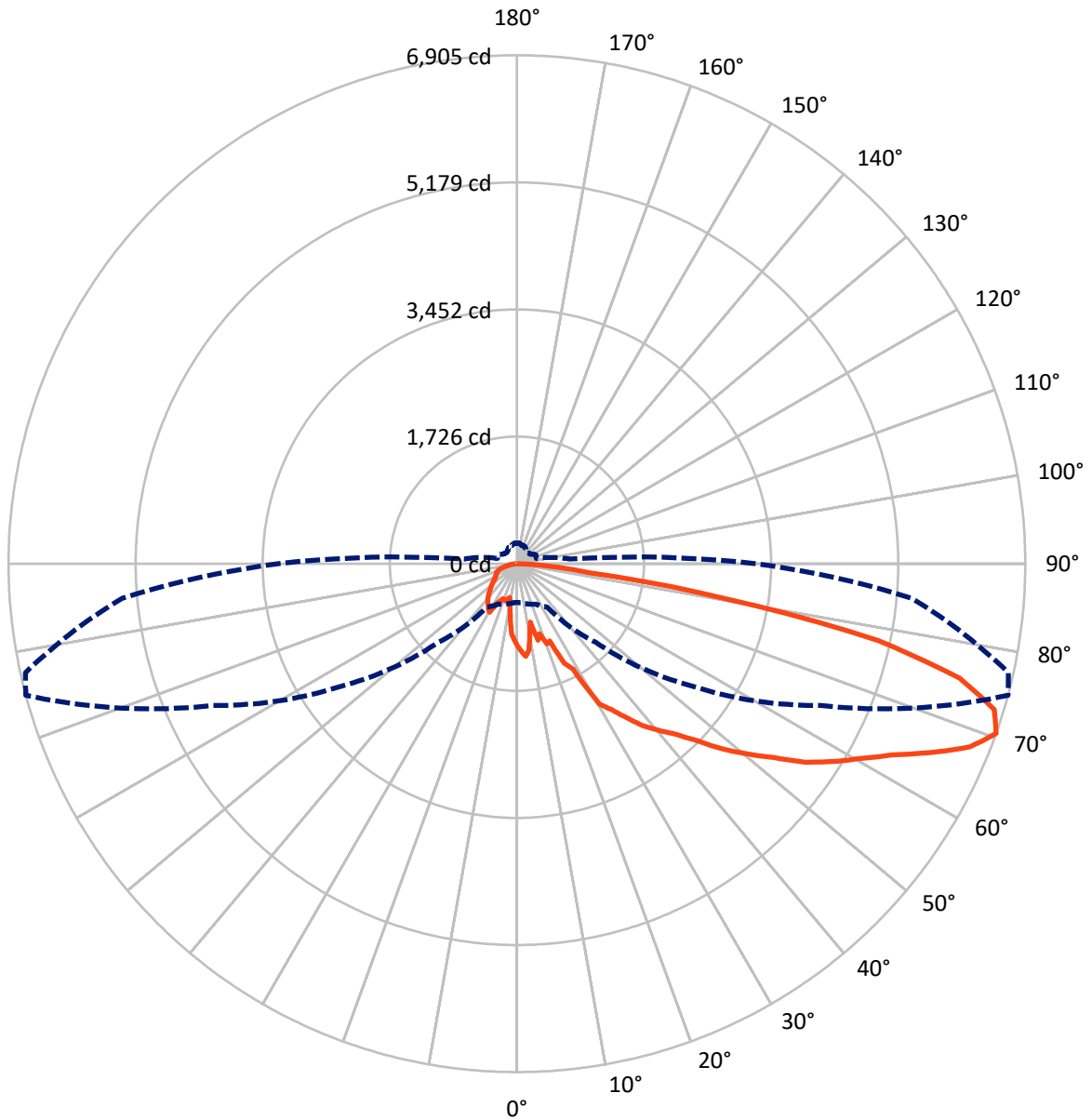


Based on 10 foot mounting height. Maximum calculated value = 17.6 fc
 Type II - Medium - N/A

REPORT NUMBER: P561043

CATALOG NUMBER: SDL-PA1-80-727-U-T2R

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P561043

CATALOG NUMBER: SDL-PA1-80-727-U-T2R

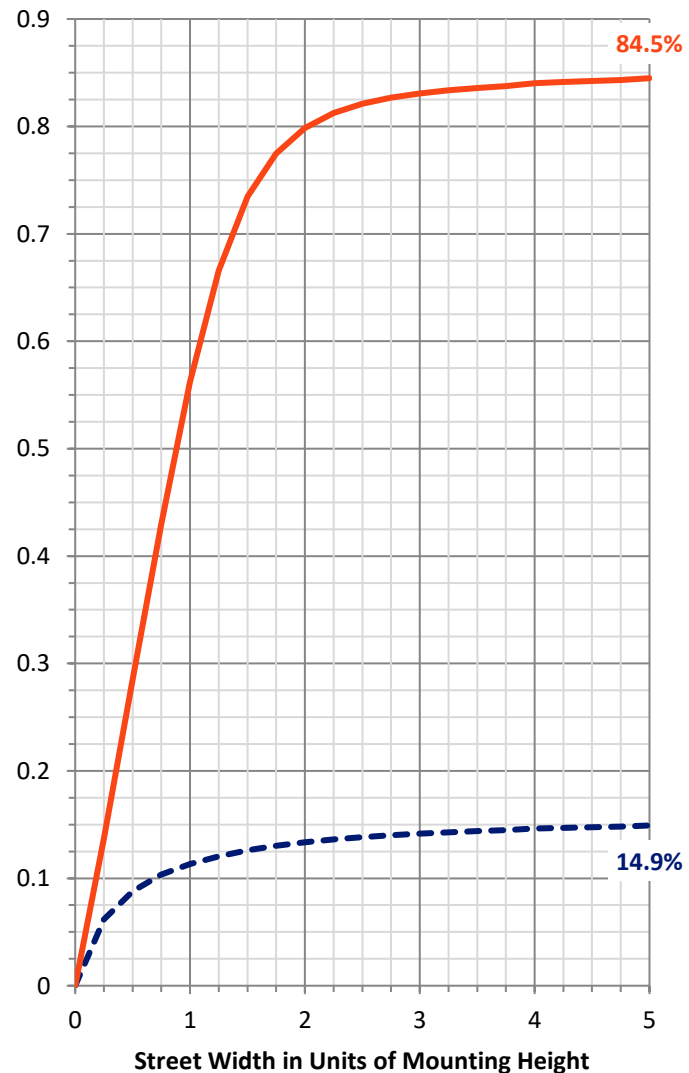
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1175.9	0.0	1175.9
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	6554.4	0.0	6554.4
	% Fixture	84.8	0.0	84.8
Total	Lumens	7730.3	0.0	7730.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	92.4	1.2
10°-20°	245.6	3.2
20°-30°	449.0	5.8
30°-40°	911.4	11.8
40°-50°	1398.8	18.1
50°-60°	1686.3	21.8
60°-70°	1630.8	21.1
70°-80°	1131.3	14.6
80°-90°	184.7	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°	7730.3	100.0
0°-180°	7730.3	100.0



REPORT NUMBER: P561043

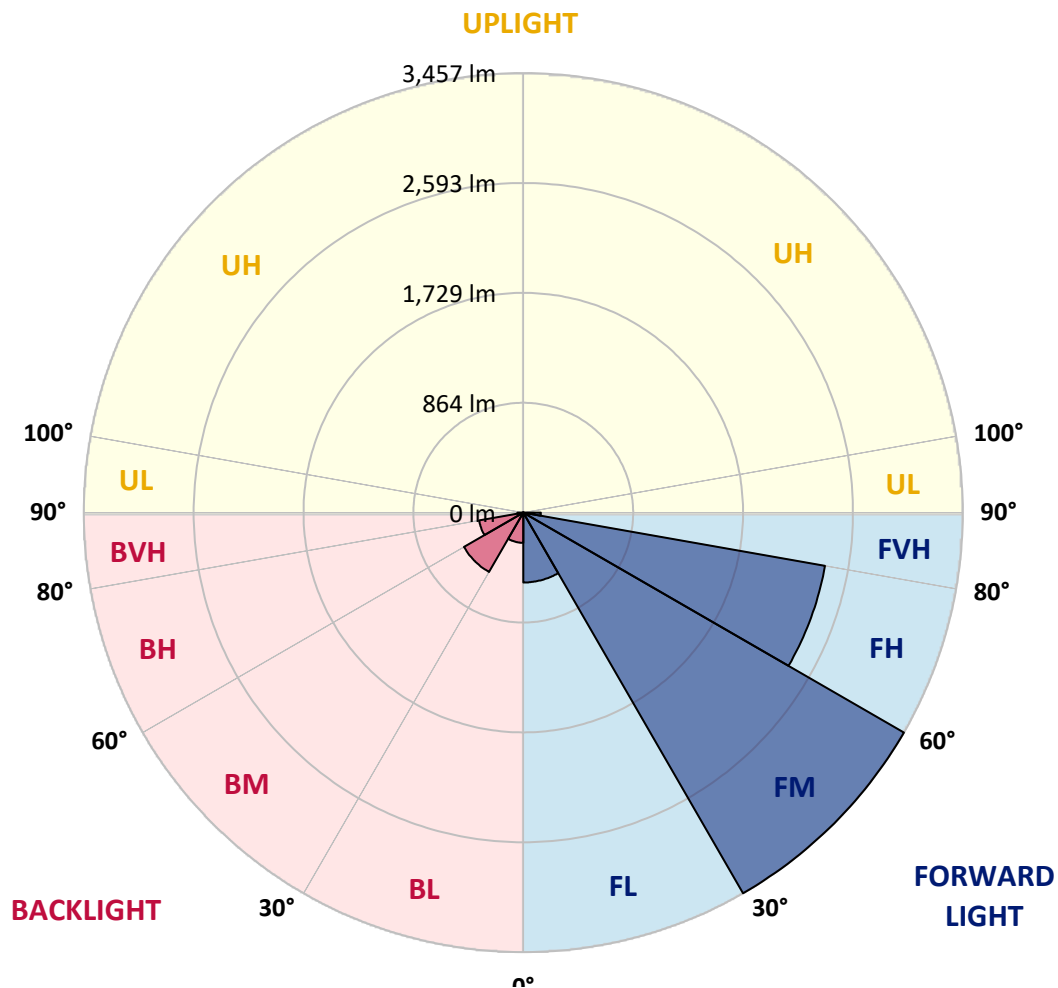
CATALOG NUMBER: SDL-PA1-80-727-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	549.5	7.1			
FM	(30°-60°)	3457.2	44.7			
FH	(60°-80°)	2409.4	31.2			G2/5000
FVH	(80°-90°)	138.3	1.8			G2/225
BL	(0°-30°)	237.4	3.1	B1/500		
BM	(30°-60°)	539.4	7.0	B1/1000		
BH	(60°-80°)	352.7	4.6	B1/500		G1/500
BVH	(80°-90°)	46.4	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





REPORT NUMBER: P561043

CATALOG NUMBER: SDL-PA1-80-727-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2
2.5°	1159.8	1270.7	1216.7	1279.2	1310.5	1290.6	1273.5	1230.9	1193.9	1179.7	1142.8
5°	1279.2	1276.4	1262.1	1256.5	1230.9	1199.6	1174.0	1316.2	1265.0	1239.4	1174.0
7.5°	1134.2	1230.9	1301.9	1338.9	1338.9	1301.9	1262.1	1088.7	1176.9	1154.1	1060.3
10°	1424.2	1424.2	1421.3	1424.2	1168.3	1230.9	1057.5	983.6	952.3	1026.2	952.3
12.5°	1211.0	1316.2	1435.5	1478.2	1361.6	1162.7	1083.1	1040.4	815.8	798.8	844.3
15°	1424.2	1432.7	1444.1	1270.7	1080.2	1233.7	943.8	935.2	1080.2	1054.6	1066.0
17.5°	1142.8	1154.1	1401.4	1370.2	1256.5	935.2	1176.9	1051.8	997.8	963.7	960.8
20°	1441.2	1446.9	1444.1	1083.1	1159.8	1273.5	1219.5	926.7	1162.7	1176.9	1191.1
22.5°	1219.5	1222.3	1236.6	1378.7	1174.0	1327.5	1100.1	1381.5	1139.9	1174.0	886.9
25°	1640.2	1640.2	1589.1	1242.2	1421.3	1211.0	1338.9	1188.2	1495.2	1455.4	1333.2
27.5°	1529.4	1518.0	1458.3	1537.9	1282.0	1532.2	1324.7	1492.4	1623.2	1566.3	1617.5
30°	2149.1	2163.3	2086.5	1597.6	1560.6	1469.7	1526.5	1768.1	2208.8	2177.5	1944.4
32.5°	2876.8	2743.2	2393.5	2069.5	1705.6	1793.7	1705.6	2086.5	2365.1	2370.8	2058.1
35°	3229.3	3217.9	3067.2	2441.9	1961.4	1961.4	1913.1	2177.5	2566.9	2530.0	2180.3
37.5°	3510.7	3493.6	3388.5	2760.2	2191.7	2180.3	2024.0	2316.8	2797.2	2703.4	2313.9
40°	3749.5	3726.7	3635.8	2982.0	2441.9	2387.8	2160.4	2476.0	2976.3	2984.8	2441.9
42.5°	3908.7	3900.1	3834.8	3183.8	2649.4	2552.7	2342.4	2680.6	3166.7	3215.1	2601.0
45°	4033.7	4030.9	3974.0	3405.5	2797.2	2703.4	2535.7	2834.1	3428.3	3456.7	2771.6
47.5°	4048.0	4059.3	4059.3	3516.4	2899.5	2837.0	2734.6	2970.6	3760.8	3701.2	2970.6
50°	3900.1	3911.5	3982.6	3701.2	2987.6	2947.8	2905.2	3135.5	4065.0	3976.9	3180.9
52.5°	3522.1	3547.6	3741.0	3610.2	3033.1	3030.3	3064.4	3348.7	4374.9	4281.1	3459.5
55°	2709.1	2726.1	3206.5	3343.0	3018.9	3050.2	3183.8	3613.0	4758.6	4676.2	3752.3
57.5°	2069.5	2117.8	2419.1	2837.0	2862.6	3033.1	3260.5	3797.8	5068.5	4986.0	4022.4
60°	1665.8	1699.9	1876.2	2242.9	2527.1	2959.2	3365.7	4028.1	5369.8	5330.0	4312.3
62.5°	1304.8	1327.5	1449.8	1691.4	2052.4	2785.8	3431.1	4278.2	5716.6	5696.7	4690.4
65°	935.2	958.0	1066.0	1225.2	1586.2	2458.9	3399.8	4517.0	6182.8	6162.9	5057.1
67.5°	682.2	687.9	759.0	867.0	1125.7	1989.9	3246.3	4667.7	6637.6	6597.8	5338.5
70°	525.9	531.6	565.7	605.5	719.2	1506.6	2888.2	4554.0	6904.8	6836.6	5381.2
72.5°	426.4	426.4	440.6	460.5	491.8	983.6	2268.4	4107.7	6779.8	6646.2	5025.8
75°	358.2	358.2	366.7	361.0	344.0	614.0	1577.7	3431.1	6208.4	6040.7	4374.9
77.5°	301.3	298.5	298.5	301.3	267.2	417.9	963.7	2643.7	5017.3	4855.3	3243.5
80°	247.3	247.3	247.3	247.3	218.9	298.5	574.2	1753.9	2882.5	2515.8	1486.7
82.5°	181.9	184.8	193.3	193.3	181.9	218.9	298.5	733.4	986.4	872.7	525.9
85°	85.3	88.1	113.7	119.4	116.5	108.0	156.3	329.7	460.5	417.9	122.2
87.5°	2.8	2.8	11.4	25.6	22.7	17.1	31.3	45.5	17.1	19.9	14.2
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



REPORT NUMBER: P561043

CATALOG NUMBER: SDL-PA1-80-727-U-T2R

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

REPORT NUMBER: P561043

CATALOG NUMBER: SDL-PA1-80-727-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2	1117.2
2.5°	1117.2	1091.6	1031.9	980.7	926.7	889.8	807.3	747.6	716.4	710.7	719.2
5°	1122.9	1066.0	946.6	795.9	682.2	653.8	642.4	639.6	636.8	636.8	636.8
7.5°	989.2	915.3	736.3	625.4	642.4	642.4	642.4	633.9	582.7	560.0	560.0
10°	872.7	776.0	548.6	506.0	508.8	534.4	602.6	673.7	687.9	690.8	693.6
12.5°	756.1	662.3	466.2	491.8	443.5	525.9	622.5	693.6	625.4	591.3	591.3
15°	952.3	818.7	540.1	432.1	437.8	525.9	474.7	642.4	687.9	690.8	693.6
17.5°	858.5	722.0	503.2	454.8	480.4	400.8	542.9	608.3	560.0	554.3	548.6
20°	1043.3	858.5	525.9	452.0	449.1	486.1	460.5	460.5	625.4	625.4	625.4
22.5°	773.2	636.8	511.7	508.8	429.2	480.4	457.7	511.7	491.8	483.3	483.3
25°	1134.2	898.3	560.0	446.3	460.5	423.6	471.9	420.7	520.2	525.9	525.9
27.5°	1361.6	1054.6	608.3	494.6	423.6	454.8	389.4	423.6	400.8	403.7	403.7
30°	1623.2	1236.6	756.1	517.4	434.9	375.2	386.6	366.7	434.9	426.4	423.6
32.5°	1694.2	1247.9	727.7	548.6	423.6	378.1	349.6	378.1	403.7	440.6	440.6
35°	1776.7	1259.3	687.9	523.1	415.0	352.5	346.8	378.1	409.3	398.0	398.0
37.5°	1853.4	1267.8	656.7	491.8	380.9	344.0	344.0	349.6	380.9	363.9	363.9
40°	1941.5	1270.7	619.7	457.7	352.5	338.3	318.4	324.1	326.9	315.5	312.7
42.5°	2041.0	1267.8	577.1	426.4	326.9	315.5	301.3	301.3	309.9	307.0	304.2
45°	2149.1	1265.0	531.6	389.4	298.5	284.3	275.7	309.9	324.1	324.1	318.4
47.5°	2279.8	1265.0	488.9	346.8	278.6	255.8	250.2	287.1	315.5	321.2	326.9
50°	2430.5	1259.3	449.1	315.5	258.7	238.8	247.3	284.3	307.0	315.5	312.7
52.5°	2626.6	1247.9	415.0	290.0	244.5	218.9	233.1	275.7	304.2	307.0	304.2
55°	2797.2	1208.1	380.9	278.6	233.1	207.5	224.6	272.9	298.5	298.5	298.5
57.5°	2942.2	1151.3	352.5	270.1	230.3	204.7	221.7	270.1	287.1	295.6	295.6
60°	3118.4	1080.2	332.6	267.2	227.4	201.8	218.9	267.2	281.4	292.8	292.8
62.5°	3300.3	1020.5	321.2	267.2	218.9	204.7	218.9	267.2	278.6	292.8	290.0
65°	3448.2	943.8	309.9	272.9	216.0	204.7	218.9	267.2	275.7	290.0	290.0
67.5°	3439.6	838.6	295.6	287.1	218.9	207.5	218.9	264.4	270.1	290.0	284.3
70°	3246.3	716.4	272.9	284.3	227.4	207.5	216.0	255.8	258.7	284.3	275.7
72.5°	2896.7	579.9	241.6	267.2	227.4	210.4	210.4	244.5	244.5	272.9	255.8
75°	2424.8	446.3	199.0	235.9	216.0	216.0	199.0	230.3	224.6	241.6	224.6
77.5°	1807.9	338.3	153.5	196.1	196.1	213.2	190.5	213.2	204.7	207.5	199.0
80°	753.3	204.7	116.5	153.5	167.7	207.5	181.9	193.3	173.4	173.4	167.7
82.5°	312.7	130.8	79.6	96.7	113.7	184.8	173.4	164.9	142.1	130.8	122.2
85°	113.7	71.1	54.0	65.4	73.9	127.9	125.1	105.2	82.4	91.0	73.9
87.5°	8.5	11.4	11.4	14.2	14.2	17.1	28.4	28.4	17.1	14.2	8.5
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



REPORT NUMBER: P561043

CATALOG NUMBER: SDL-PA1-80-727-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



Report Generated By 670245982



--- HS --- SS



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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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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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(END OF REPORT)