

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: P561153

Luminaire Tested: **SDL-PA1-80-827-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561153
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-PA1-80-827-U-T2R
Description: Springdale
(1) 80 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: 6795.3 lumens
Efficiency: N/A
Efficacy: 82.9 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

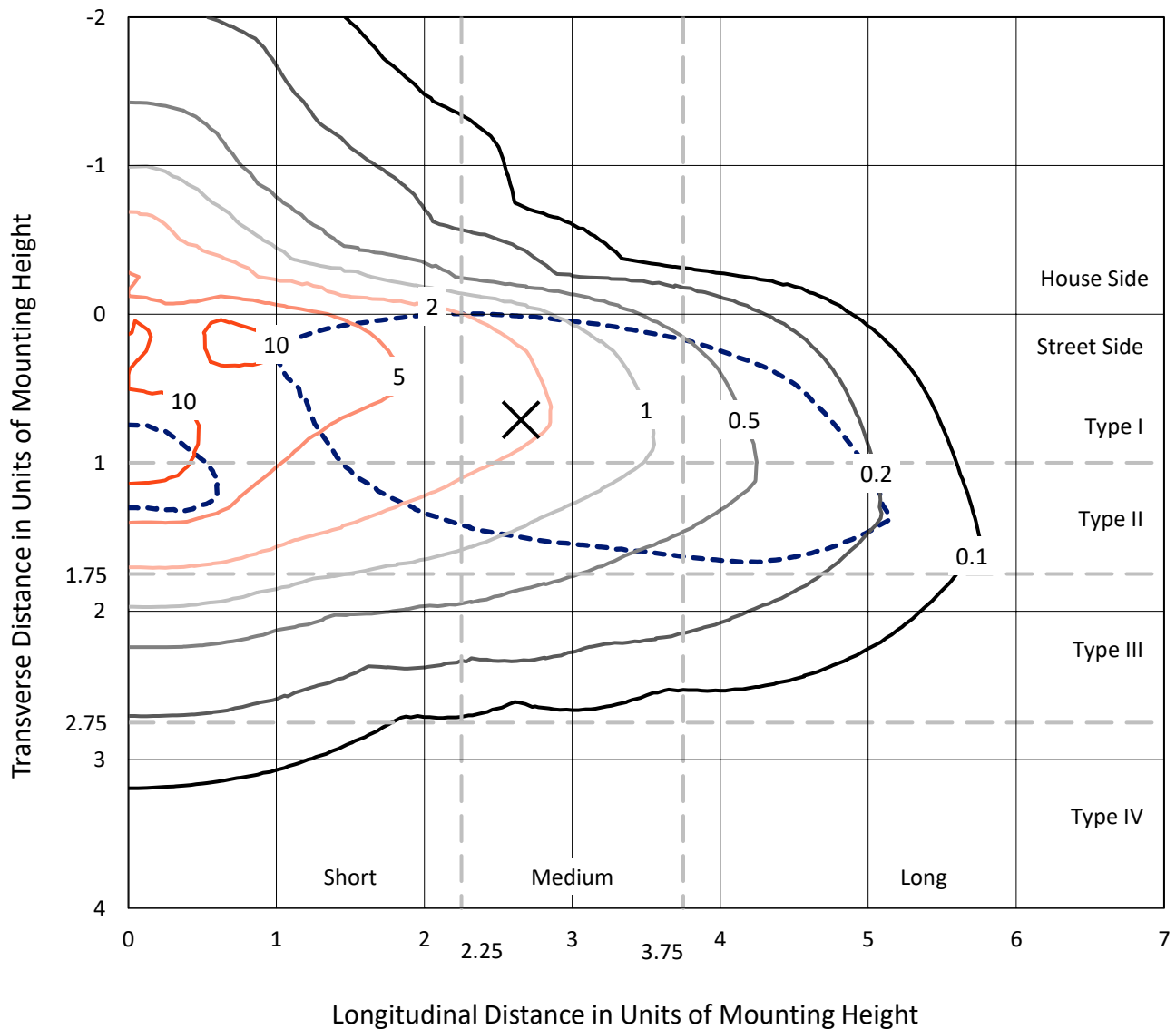


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

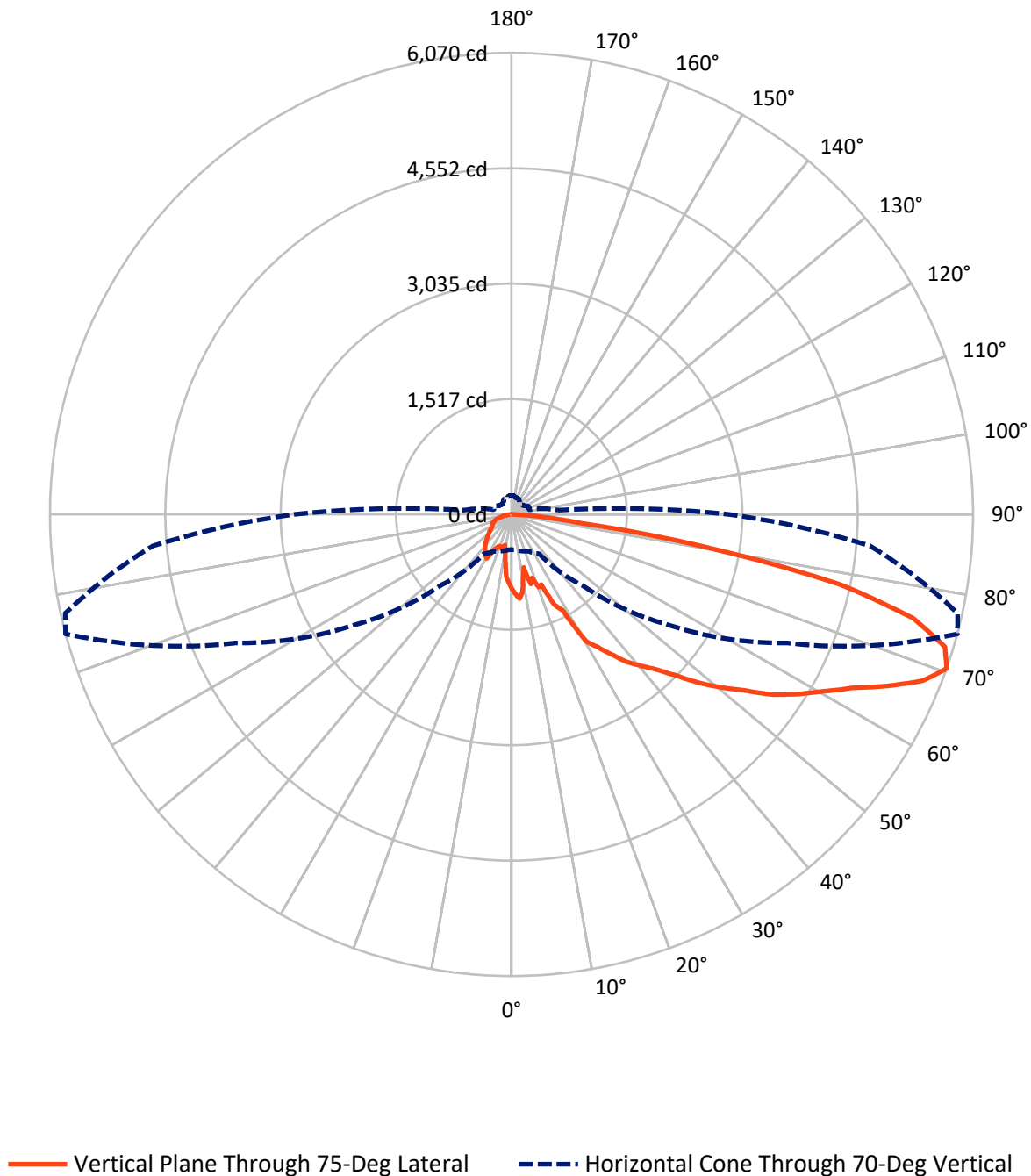


Based on 10 foot mounting height. Maximum calculated value = 15.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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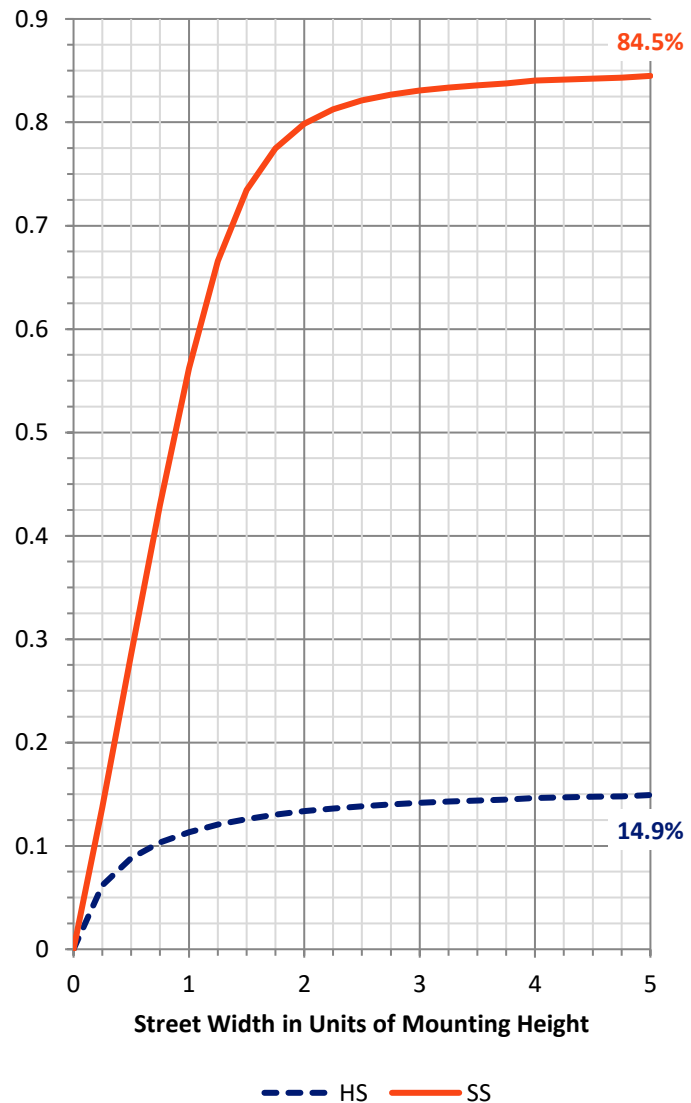
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1033.7	0.0	1033.7
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	5761.6	0.0	5761.6
	% Fixture	84.8	0.0	84.8
Total	Lumens	6795.3	0.0	6795.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.2	1.2
10°-20°	215.9	3.2
20°-30°	394.7	5.8
30°-40°	801.2	11.8
40°-50°	1229.6	18.1
50°-60°	1482.4	21.8
60°-70°	1433.6	21.1
70°-80°	994.4	14.6
80°-90°	162.4	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°	6795.3	100.0
0°-180°	6795.3	100.0

Coefficient of Utilization



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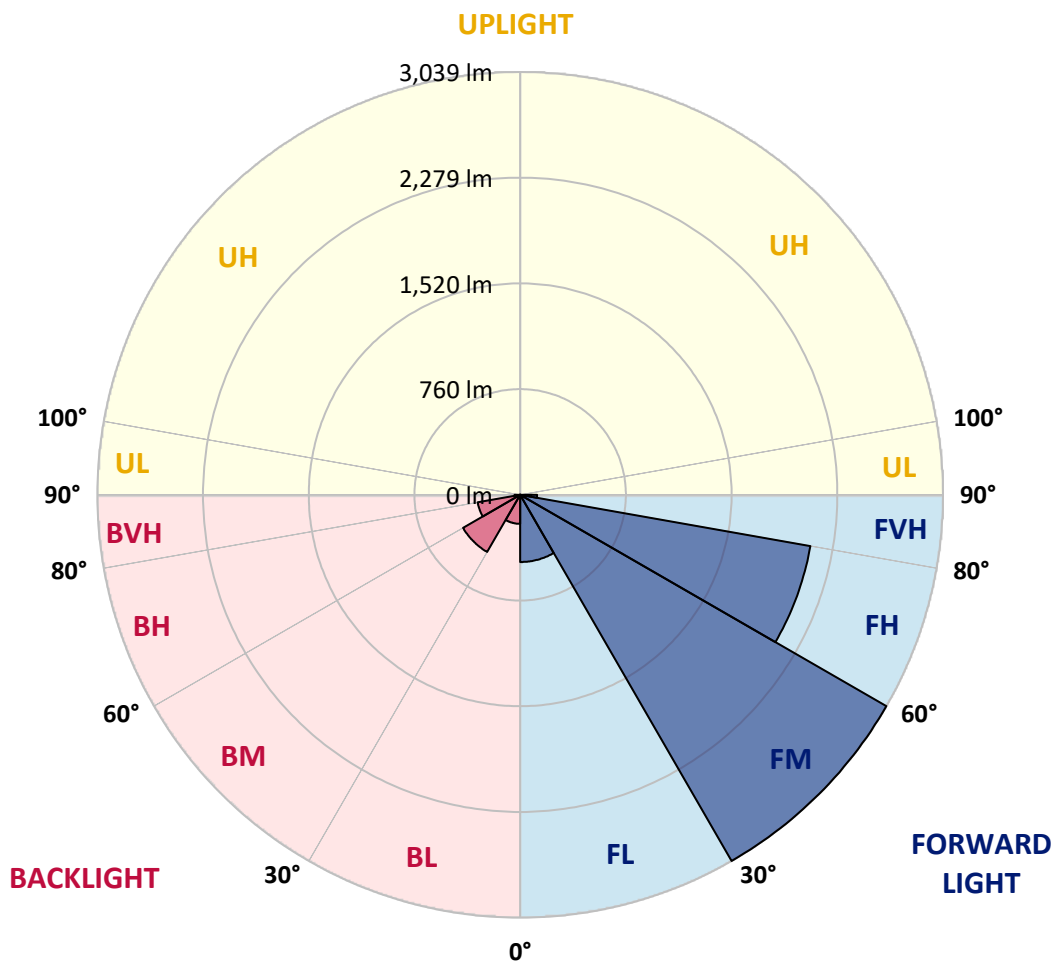
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	483.0	7.1			
FM	(30°-60°)	3039.0	44.7			
FH	(60°-80°)	2118.0	31.2			G2/5000
FVH	(80°-90°)	121.6	1.8			G2/225
BL	(0°-30°)	208.7	3.1	B1/500		
BM	(30°-60°)	474.2	7.0	B1/1000		
BH	(60°-80°)	310.1	4.6	B1/500		G1/500
BVH	(80°-90°)	40.8	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°	982.0	982.0	982.0	982.0	982.0	982.0	982.0	982.0	982.0	982.0	982.0
2.5°	1019.5	1117.0	1069.5	1124.5	1152.0	1134.5	1119.5	1082.0	1049.5	1037.0	1004.5
5°	1124.5	1122.0	1109.5	1104.5	1082.0	1054.5	1032.0	1157.0	1112.0	1089.5	1032.0
7.5°	997.0	1082.0	1144.5	1177.0	1177.0	1144.5	1109.5	957.1	1034.5	1014.5	932.1
10°	1251.9	1251.9	1249.4	1251.9	1027.0	1082.0	929.6	864.6	837.1	902.1	837.1
12.5°	1064.5	1157.0	1261.9	1299.4	1196.9	1022.0	952.1	914.6	717.2	702.2	742.2
15°	1251.9	1259.4	1269.4	1117.0	949.6	1084.5	829.6	822.1	949.6	927.1	937.1
17.5°	1004.5	1014.5	1231.9	1204.4	1104.5	822.1	1034.5	924.6	877.1	847.1	844.6
20°	1266.9	1271.9	1269.4	952.1	1019.5	1119.5	1072.0	814.6	1022.0	1034.5	1047.0
22.5°	1072.0	1074.5	1087.0	1211.9	1032.0	1167.0	967.1	1214.4	1002.0	1032.0	779.6
25°	1441.8	1441.8	1396.9	1092.0	1249.4	1064.5	1177.0	1044.5	1314.4	1279.4	1172.0
27.5°	1344.4	1334.4	1281.9	1351.9	1127.0	1346.9	1164.5	1311.9	1426.8	1376.9	1421.8
30°	1889.1	1901.6	1834.2	1404.4	1371.9	1291.9	1341.9	1554.3	1941.6	1914.1	1709.2
32.5°	2528.8	2411.4	2104.0	1819.2	1499.3	1576.8	1499.3	1834.2	2079.0	2084.0	1809.2
35°	2838.7	2828.7	2696.3	2146.5	1724.2	1724.2	1681.7	1914.1	2256.5	2224.0	1916.6
37.5°	3086.1	3071.1	2978.6	2426.4	1926.6	1916.6	1779.2	2036.6	2458.9	2376.4	2034.1
40°	3296.0	3276.0	3196.0	2621.3	2146.5	2099.0	1899.1	2176.5	2616.3	2623.8	2146.5
42.5°	3435.9	3428.4	3370.9	2798.7	2328.9	2244.0	2059.1	2356.4	2783.7	2826.2	2286.4
45°	3545.9	3543.4	3493.4	2993.6	2458.9	2376.4	2229.0	2491.4	3013.6	3038.6	2436.4
47.5°	3558.4	3568.4	3568.4	3091.1	2548.8	2493.8	2403.9	2611.3	3306.0	3253.5	2611.3
50°	3428.4	3438.4	3500.9	3253.5	2626.3	2591.3	2553.8	2756.2	3573.4	3495.9	2796.2
52.5°	3096.1	3118.6	3288.5	3173.5	2666.3	2663.8	2693.8	2943.6	3845.7	3763.3	3041.1
55°	2381.4	2396.4	2818.7	2938.6	2653.8	2681.3	2798.7	3176.0	4183.1	4110.6	3298.5
57.5°	1819.2	1861.6	2126.5	2493.8	2516.3	2666.3	2866.2	3338.5	4455.4	4383.0	3535.9
60°	1464.3	1494.3	1649.2	1971.6	2221.5	2601.3	2958.6	3540.9	4720.3	4685.3	3790.8
62.5°	1147.0	1167.0	1274.4	1486.8	1804.2	2448.9	3016.1	3760.8	5025.2	5007.7	4123.1
65°	822.1	842.1	937.1	1077.0	1394.4	2161.5	2988.6	3970.7	5435.0	5417.5	4445.4
67.5°	599.7	604.7	667.2	762.1	989.5	1749.2	2853.7	4103.1	5834.8	5799.8	4692.8
70°	462.3	467.3	497.3	532.3	632.2	1324.4	2538.8	4003.2	6069.7	6009.7	4730.3
72.5°	374.8	374.8	387.3	404.8	432.3	864.6	1994.1	3610.8	5959.8	5842.3	4418.0
75°	314.9	314.9	322.4	317.4	302.4	539.8	1386.9	3016.1	5457.5	5310.1	3845.7
77.5°	264.9	262.4	262.4	264.9	234.9	367.3	847.1	2323.9	4410.5	4268.0	2851.2
80°	217.4	217.4	217.4	217.4	192.4	262.4	504.8	1541.8	2533.8	2211.5	1306.9
82.5°	159.9	162.4	169.9	169.9	159.9	192.4	262.4	644.7	867.1	767.1	462.3
85°	75.0	77.5	100.0	105.0	102.5	95.0	137.4	289.9	404.8	367.3	107.5
87.5°	2.5	2.5	10.0	22.5	20.0	15.0	27.5	40.0	15.0	17.5	12.5
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
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°	982.0	982.0	982.0	982.0	982.0	982.0	982.0	982.0	982.0	982.0	982.0
2.5°	982.0	959.6	907.1	862.1	814.6	782.1	709.7	657.2	629.7	624.7	632.2
5°	987.0	937.1	832.1	699.7	599.7	574.7	564.7	562.2	559.7	559.7	559.7
7.5°	869.6	804.6	647.2	549.7	564.7	564.7	564.7	557.2	512.3	492.3	492.3
10°	767.1	682.2	482.3	444.8	447.3	469.8	529.8	592.2	604.7	607.2	609.7
12.5°	664.7	582.2	409.8	432.3	389.8	462.3	547.2	609.7	549.7	519.8	519.8
15°	837.1	719.7	474.8	379.8	384.8	462.3	417.3	564.7	604.7	607.2	609.7
17.5°	754.7	634.7	442.3	399.8	422.3	352.3	477.3	534.8	492.3	487.3	482.3
20°	917.1	754.7	462.3	397.3	394.8	427.3	404.8	404.8	549.7	549.7	549.7
22.5°	679.7	559.7	449.8	447.3	377.3	422.3	402.3	449.8	432.3	424.8	424.8
25°	997.0	789.6	492.3	392.3	404.8	372.3	414.8	369.8	457.3	462.3	462.3
27.5°	1196.9	927.1	534.8	434.8	372.3	399.8	342.3	372.3	352.3	354.8	354.8
30°	1426.8	1087.0	664.7	454.8	382.3	329.8	339.8	322.4	382.3	374.8	372.3
32.5°	1489.3	1097.0	639.7	482.3	372.3	332.3	307.4	332.3	354.8	387.3	387.3
35°	1561.8	1107.0	604.7	459.8	364.8	309.9	304.9	332.3	359.8	349.8	349.8
37.5°	1629.2	1114.5	577.2	432.3	334.8	302.4	302.4	307.4	334.8	319.9	319.9
40°	1706.7	1117.0	544.7	402.3	309.9	297.4	279.9	284.9	287.4	277.4	274.9
42.5°	1794.2	1114.5	507.3	374.8	287.4	277.4	264.9	264.9	272.4	269.9	267.4
45°	1889.1	1112.0	467.3	342.3	262.4	249.9	242.4	272.4	284.9	284.9	279.9
47.5°	2004.1	1112.0	429.8	304.9	244.9	224.9	219.9	252.4	277.4	282.4	287.4
50°	2136.5	1107.0	394.8	277.4	227.4	209.9	217.4	249.9	269.9	277.4	274.9
52.5°	2308.9	1097.0	364.8	254.9	214.9	192.4	204.9	242.4	267.4	269.9	267.4
55°	2458.9	1062.0	334.8	244.9	204.9	182.4	197.4	239.9	262.4	262.4	262.4
57.5°	2586.3	1012.0	309.9	237.4	202.4	179.9	194.9	237.4	252.4	259.9	259.9
60°	2741.2	949.6	292.4	234.9	199.9	177.4	192.4	234.9	247.4	257.4	257.4
62.5°	2901.2	897.1	282.4	234.9	192.4	179.9	192.4	234.9	244.9	257.4	254.9
65°	3031.1	829.6	272.4	239.9	189.9	179.9	192.4	234.9	242.4	254.9	254.9
67.5°	3023.6	737.2	259.9	252.4	192.4	182.4	192.4	232.4	237.4	254.9	249.9
70°	2853.7	629.7	239.9	249.9	199.9	182.4	189.9	224.9	227.4	249.9	242.4
72.5°	2546.3	509.8	212.4	234.9	199.9	184.9	184.9	214.9	214.9	239.9	224.9
75°	2131.5	392.3	174.9	207.4	189.9	189.9	174.9	202.4	197.4	212.4	197.4
77.5°	1589.3	297.4	134.9	172.4	172.4	187.4	167.4	187.4	179.9	182.4	174.9
80°	662.2	179.9	102.5	134.9	147.4	182.4	159.9	169.9	152.4	152.4	147.4
82.5°	274.9	114.9	70.0	85.0	100.0	162.4	152.4	144.9	124.9	114.9	107.5
85°	100.0	62.5	47.5	57.5	65.0	112.4	109.9	92.5	72.5	80.0	65.0
87.5°	7.5	10.0	10.0	12.5	12.5	15.0	25.0	25.0	15.0	12.5	7.5
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
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: P561153

CATALOG NUMBER: SDL-PA1-80-827-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)