

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: P561175

Luminaire Tested: **SDL-PA1-80-830-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561175
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-PA1-80-830-U-T2R
Description: Springdale
(1) 80 CRI, 3000K, 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: 7345 lumens
Efficiency: N/A
Efficacy: 89.6 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): 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

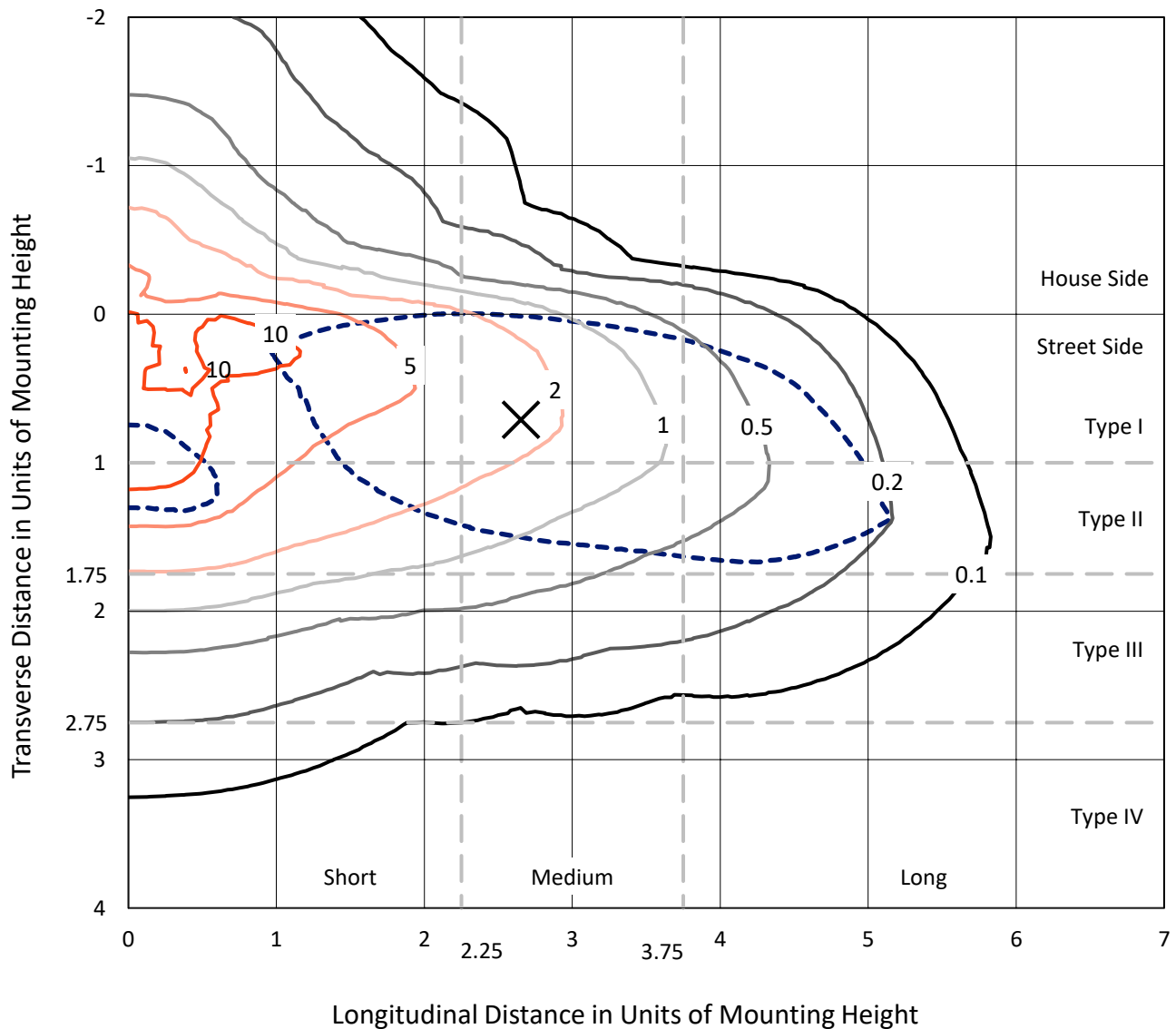


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

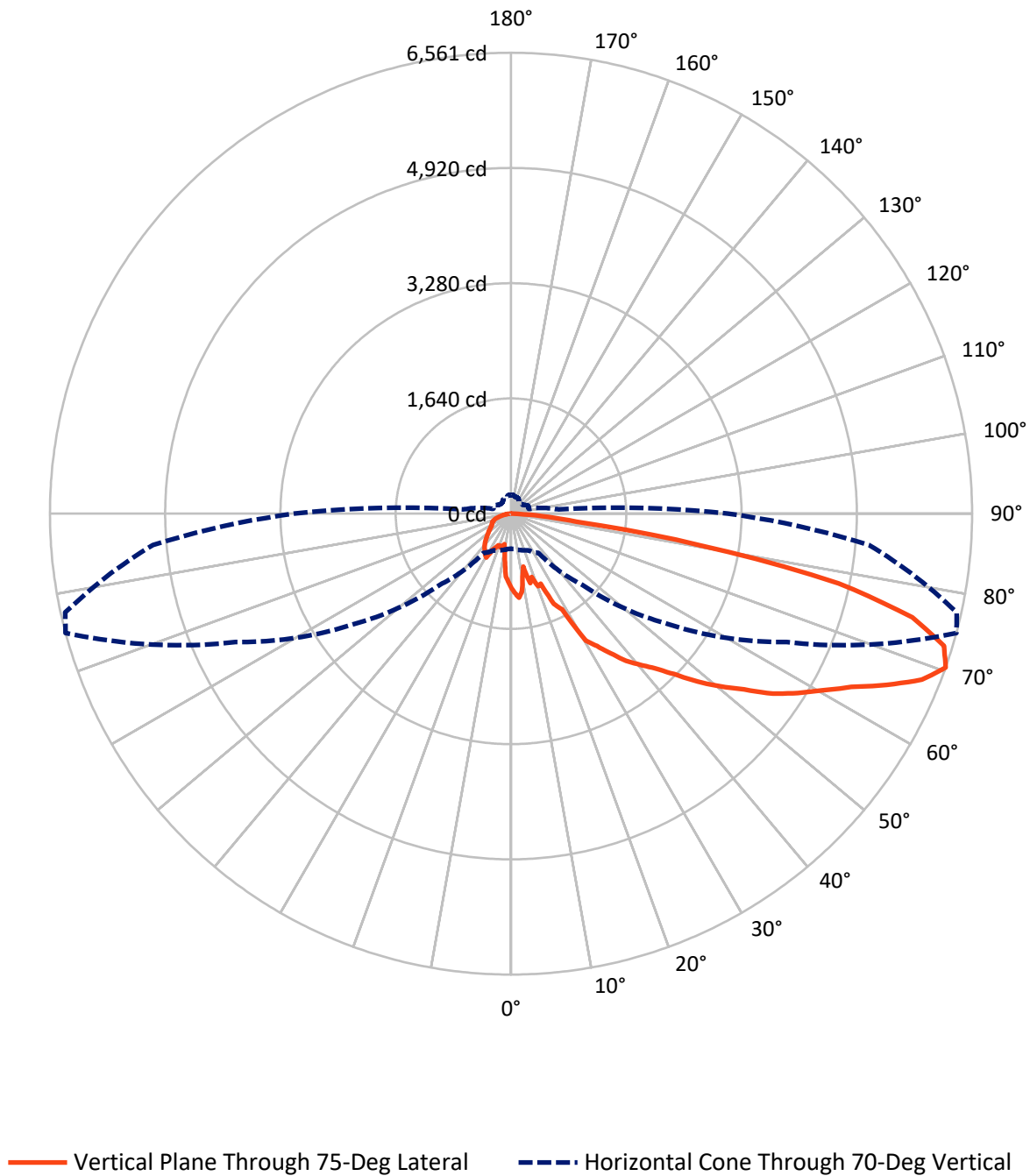


Based on 10 foot mounting height. Maximum calculated value = 16.7 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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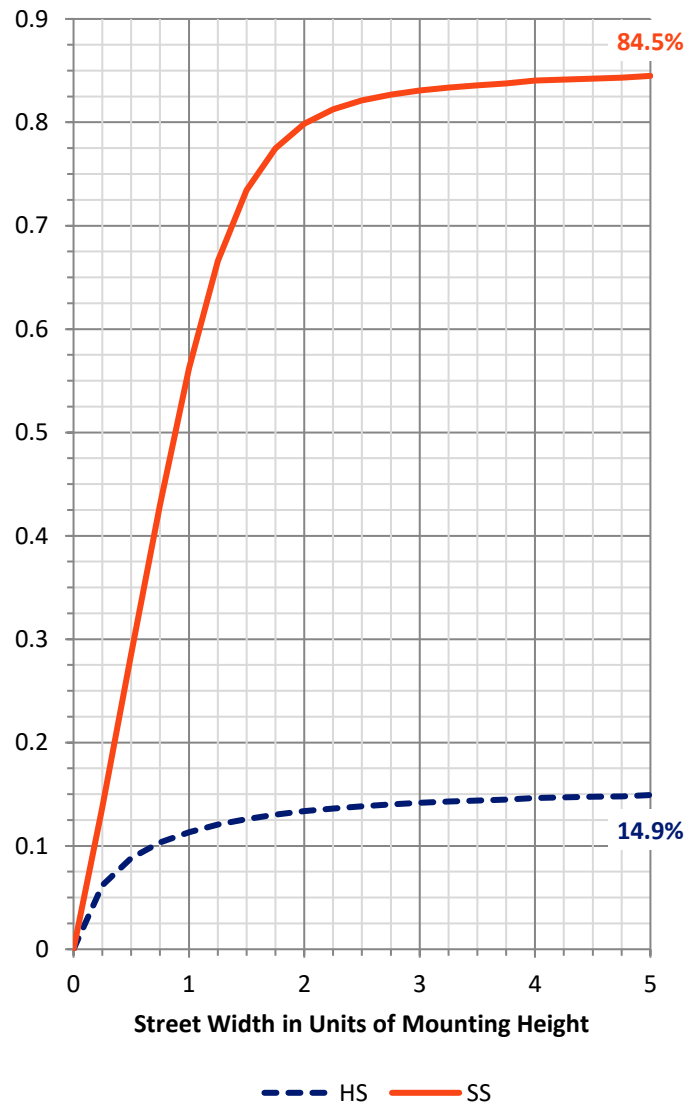
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1117.3	0.0	1117.3
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	6227.6	0.0	6227.6
	% Fixture	84.8	0.0	84.8
Total	Lumens	7345.0	0.0	7345.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.8	1.2
10°-20°	233.3	3.2
20°-30°	426.6	5.8
30°-40°	866.0	11.8
40°-50°	1329.1	18.1
50°-60°	1602.3	21.8
60°-70°	1549.6	21.1
70°-80°	1074.9	14.6
80°-90°	175.5	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°	7345.0	100.0
0°-180°	7345.0	100.0

Coefficient of Utilization



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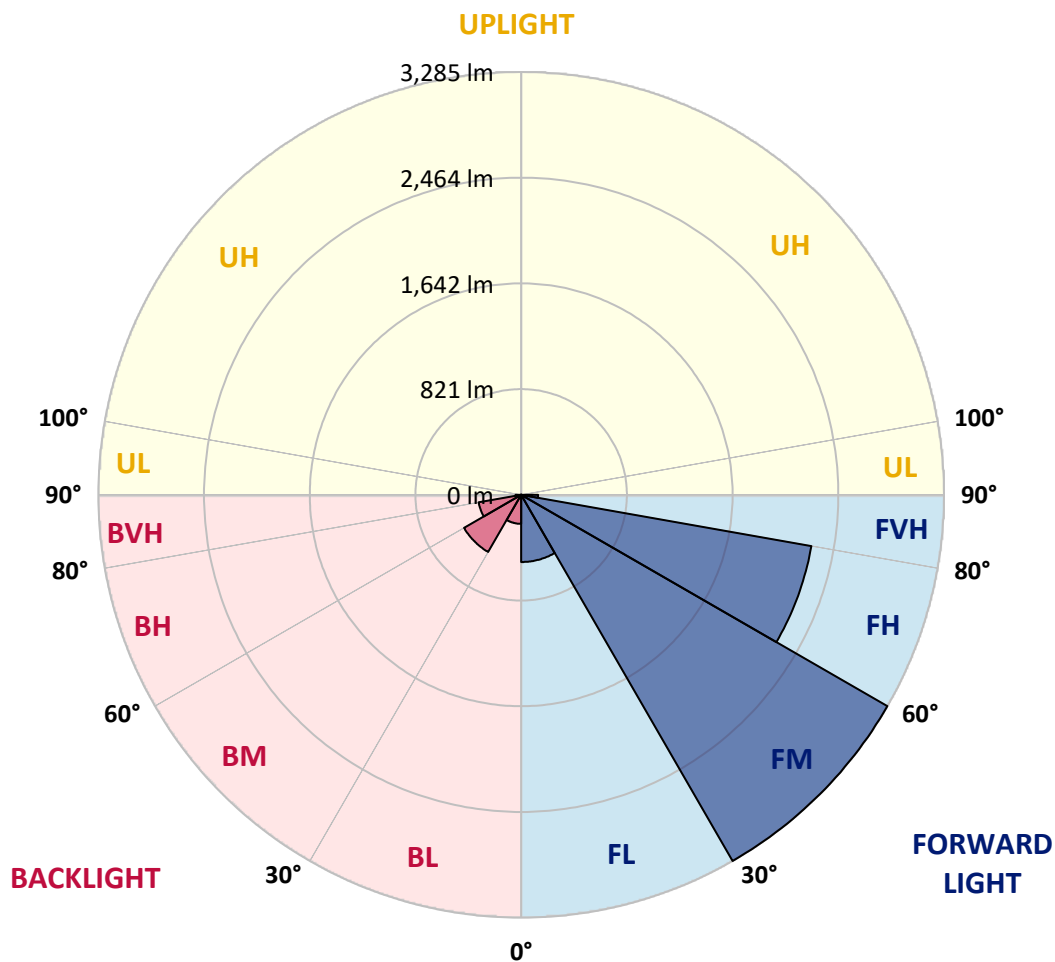
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	522.1	7.1			
FM	(30°-60°)	3284.8	44.7			
FH	(60°-80°)	2289.3	31.2			G2/5000
FVH	(80°-90°)	131.4	1.8			G2/225
BL	(0°-30°)	225.6	3.1	B1/500		
BM	(30°-60°)	512.5	7.0	B1/1000		
BH	(60°-80°)	335.2	4.6	B1/500		G1/500
BVH	(80°-90°)	44.1	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°	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5
2.5°	1102.0	1207.3	1156.0	1215.4	1245.1	1226.2	1210.0	1169.5	1134.4	1120.9	1085.8
5°	1215.4	1212.7	1199.2	1193.8	1169.5	1139.8	1115.5	1250.5	1201.9	1177.6	1115.5
7.5°	1077.7	1169.5	1237.0	1272.2	1272.2	1237.0	1199.2	1034.5	1118.2	1096.6	1007.5
10°	1353.2	1353.2	1350.5	1353.2	1110.1	1169.5	1004.8	934.5	904.8	975.0	904.8
12.5°	1150.6	1250.5	1364.0	1404.5	1293.8	1104.7	1029.1	988.6	775.2	759.0	802.2
15°	1353.2	1361.3	1372.1	1207.3	1026.4	1172.2	896.7	888.6	1026.4	1002.1	1012.9
17.5°	1085.8	1096.6	1331.6	1301.9	1193.8	888.6	1118.2	999.4	948.0	915.6	912.9
20°	1369.4	1374.8	1372.1	1029.1	1102.0	1210.0	1158.7	880.5	1104.7	1118.2	1131.7
22.5°	1158.7	1161.4	1174.9	1310.0	1115.5	1261.4	1045.3	1312.7	1083.1	1115.5	842.7
25°	1558.5	1558.5	1509.8	1180.3	1350.5	1150.6	1272.2	1129.0	1420.7	1382.9	1266.8
27.5°	1453.1	1442.3	1385.6	1461.2	1218.1	1455.8	1258.6	1418.0	1542.3	1488.2	1536.8
30°	2041.9	2055.4	1982.5	1517.9	1482.8	1396.4	1450.4	1680.0	2098.6	2068.9	1847.5
32.5°	2733.4	2606.4	2274.2	1966.3	1620.6	1704.3	1620.6	1982.5	2247.2	2252.6	1955.5
35°	3068.3	3057.5	2914.3	2320.1	1863.7	1863.7	1817.7	2068.9	2439.0	2403.9	2071.6
37.5°	3335.7	3319.5	3219.5	2622.6	2082.4	2071.6	1923.1	2201.3	2657.7	2568.6	2198.6
40°	3562.6	3541.0	3454.5	2833.3	2320.1	2268.8	2052.7	2352.5	2827.9	2836.0	2320.1
42.5°	3713.8	3705.7	3643.6	3025.1	2517.3	2425.5	2225.6	2547.0	3008.9	3054.8	2471.4
45°	3832.7	3830.0	3775.9	3235.8	2657.7	2568.6	2409.3	2692.9	3257.4	3284.4	2633.4
47.5°	3846.2	3857.0	3857.0	3341.1	2755.0	2695.6	2598.3	2822.5	3573.4	3516.7	2822.5
50°	3705.7	3716.5	3784.1	3516.7	2838.7	2800.9	2760.4	2979.2	3862.4	3778.6	3022.4
52.5°	3346.5	3370.8	3554.5	3430.2	2881.9	2879.2	2911.6	3181.7	4156.8	4067.7	3287.1
55°	2574.0	2590.2	3046.7	3176.3	2868.4	2898.1	3025.1	3432.9	4521.4	4443.1	3565.3
57.5°	1966.3	2012.2	2298.5	2695.6	2719.9	2881.9	3098.0	3608.5	4815.8	4737.5	3821.9
60°	1582.8	1615.2	1782.6	2131.1	2401.2	2811.7	3197.9	3827.3	5102.1	5064.3	4097.4
62.5°	1239.7	1261.4	1377.5	1607.1	1950.1	2646.9	3260.1	4065.0	5431.6	5412.7	4456.6
65°	888.6	910.2	1012.9	1164.1	1507.1	2336.3	3230.4	4291.8	5874.6	5855.7	4805.0
67.5°	648.2	653.6	721.2	823.8	1069.6	1890.7	3084.5	4435.0	6306.8	6268.9	5072.4
70°	499.7	505.1	537.5	575.3	683.3	1431.5	2744.2	4326.9	6560.6	6495.8	5112.9
72.5°	405.1	405.1	418.6	437.6	467.3	934.5	2155.4	3902.9	6441.8	6314.9	4775.3
75°	340.3	340.3	348.4	343.0	326.8	583.4	1499.0	3260.1	5898.9	5739.5	4156.8
77.5°	286.3	283.6	283.6	286.3	253.9	397.0	915.6	2511.9	4767.2	4613.2	3081.8
80°	235.0	235.0	235.0	235.0	208.0	283.6	545.6	1666.5	2738.8	2390.4	1412.6
82.5°	172.9	175.6	183.7	183.7	172.9	208.0	283.6	696.8	937.2	829.2	499.7
85°	81.0	83.7	108.0	113.4	110.7	102.6	148.6	313.3	437.6	397.0	116.1
87.5°	2.7	2.7	10.8	24.3	21.6	16.2	29.7	43.2	16.2	18.9	13.5
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°	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5	1061.5
2.5°	1061.5	1037.2	980.4	931.8	880.5	845.4	767.1	710.4	680.6	675.2	683.3
5°	1066.9	1012.9	899.4	756.3	648.2	621.2	610.4	607.7	605.0	605.0	605.0
7.5°	939.9	869.7	699.5	594.2	610.4	610.4	610.4	602.3	553.7	532.1	532.1
10°	829.2	737.4	521.3	480.8	483.5	507.8	572.6	640.1	653.6	656.3	659.0
12.5°	718.5	629.3	443.0	467.3	421.4	499.7	591.5	659.0	594.2	561.8	561.8
15°	904.8	777.9	513.2	410.5	415.9	499.7	451.1	610.4	653.6	656.3	659.0
17.5°	815.7	686.0	478.1	432.2	456.5	380.8	515.9	578.0	532.1	526.7	521.3
20°	991.3	815.7	499.7	429.5	426.8	461.9	437.6	437.6	594.2	594.2	594.2
22.5°	734.7	605.0	486.2	483.5	407.8	456.5	434.9	486.2	467.3	459.2	459.2
25°	1077.7	853.5	532.1	424.1	437.6	402.4	448.4	399.7	494.3	499.7	499.7
27.5°	1293.8	1002.1	578.0	470.0	402.4	432.2	370.0	402.4	380.8	383.5	383.5
30°	1542.3	1174.9	718.5	491.6	413.2	356.5	367.3	348.4	413.2	405.1	402.4
32.5°	1609.8	1185.7	691.4	521.3	402.4	359.2	332.2	359.2	383.5	418.6	418.6
35°	1688.1	1196.5	653.6	497.0	394.3	334.9	329.5	359.2	388.9	378.1	378.1
37.5°	1761.0	1204.6	623.9	467.3	361.9	326.8	326.8	332.2	361.9	345.7	345.7
40°	1844.8	1207.3	588.8	434.9	334.9	321.4	302.5	307.9	310.6	299.8	297.1
42.5°	1939.3	1204.6	548.3	405.1	310.6	299.8	286.3	286.3	294.4	291.7	289.0
45°	2041.9	1201.9	505.1	370.0	283.6	270.1	262.0	294.4	307.9	307.9	302.5
47.5°	2166.2	1201.9	464.6	329.5	264.7	243.1	237.7	272.8	299.8	305.2	310.6
50°	2309.3	1196.5	426.8	299.8	245.8	226.9	235.0	270.1	291.7	299.8	297.1
52.5°	2495.7	1185.7	394.3	275.5	232.3	208.0	221.5	262.0	289.0	291.7	289.0
55°	2657.7	1147.9	361.9	264.7	221.5	197.2	213.4	259.3	283.6	283.6	283.6
57.5°	2795.5	1093.9	334.9	256.6	218.8	194.5	210.7	256.6	272.8	280.9	280.9
60°	2963.0	1026.4	316.0	253.9	216.1	191.8	208.0	253.9	267.4	278.2	278.2
62.5°	3135.8	969.6	305.2	253.9	208.0	194.5	208.0	253.9	264.7	278.2	275.5
65°	3276.3	896.7	294.4	259.3	205.3	194.5	208.0	253.9	262.0	275.5	275.5
67.5°	3268.2	796.8	280.9	272.8	208.0	197.2	208.0	251.2	256.6	275.5	270.1
70°	3084.5	680.6	259.3	270.1	216.1	197.2	205.3	243.1	245.8	270.1	262.0
72.5°	2752.3	551.0	229.6	253.9	216.1	199.9	199.9	232.3	232.3	259.3	243.1
75°	2303.9	424.1	189.1	224.2	205.3	205.3	189.1	218.8	213.4	229.6	213.4
77.5°	1717.8	321.4	145.9	186.4	186.4	202.6	181.0	202.6	194.5	197.2	189.1
80°	715.8	194.5	110.7	145.9	159.4	197.2	172.9	183.7	164.8	164.8	159.4
82.5°	297.1	124.2	75.6	91.8	108.0	175.6	164.8	156.7	135.0	124.2	116.1
85°	108.0	67.5	51.3	62.1	70.2	121.5	118.8	99.9	78.3	86.4	70.2
87.5°	8.1	10.8	10.8	13.5	13.5	16.2	27.0	27.0	16.2	13.5	8.1
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: P561175

CATALOG NUMBER: SDL-PA1-80-830-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)