

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: P561250

Luminaire Tested: **SDL-PA1-90-730-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561250
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-90-730-U-T4W-A
Description: Springdale
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8590.2 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B2 - U3 - G3

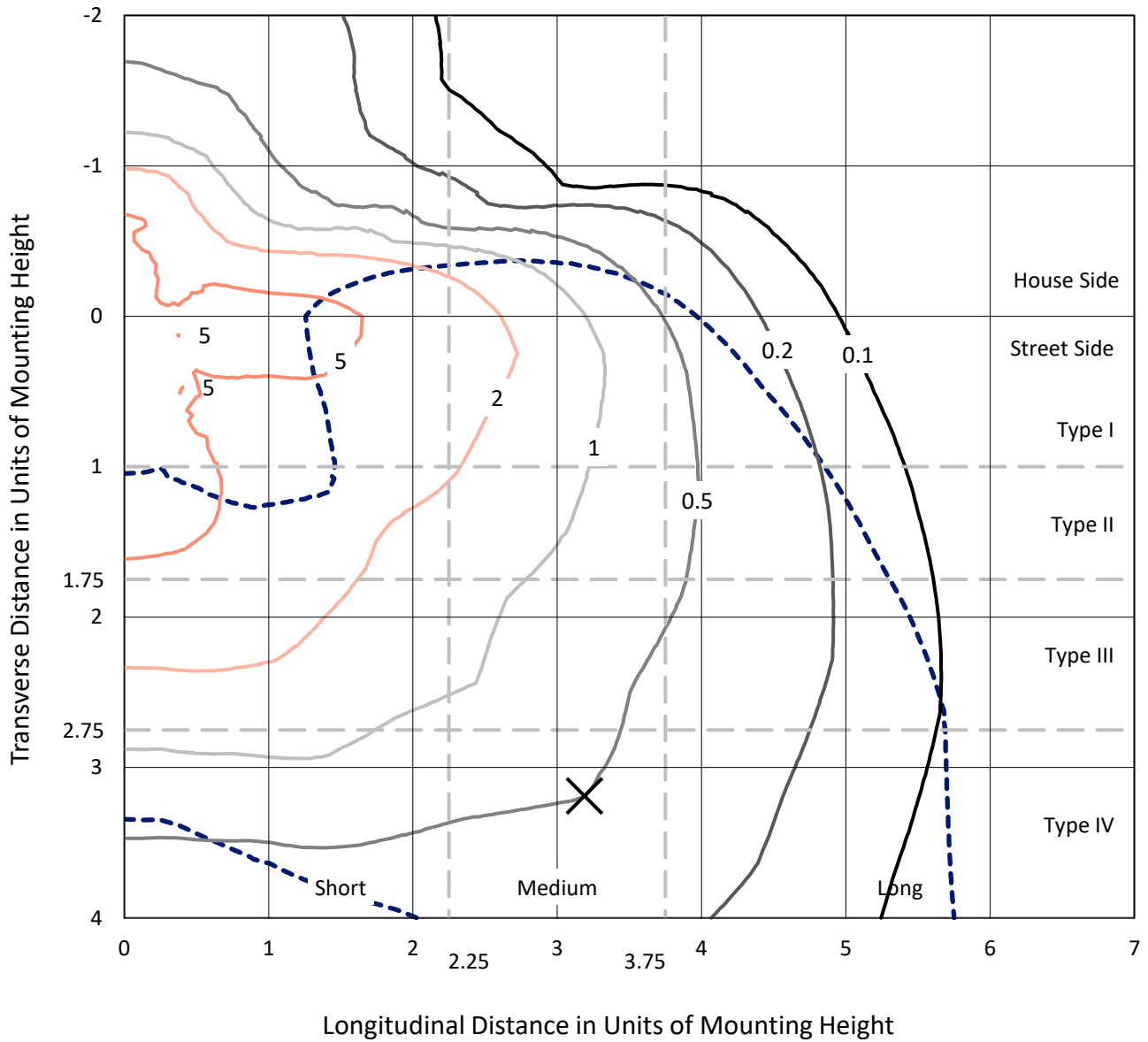
Input Watts (W): 92.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

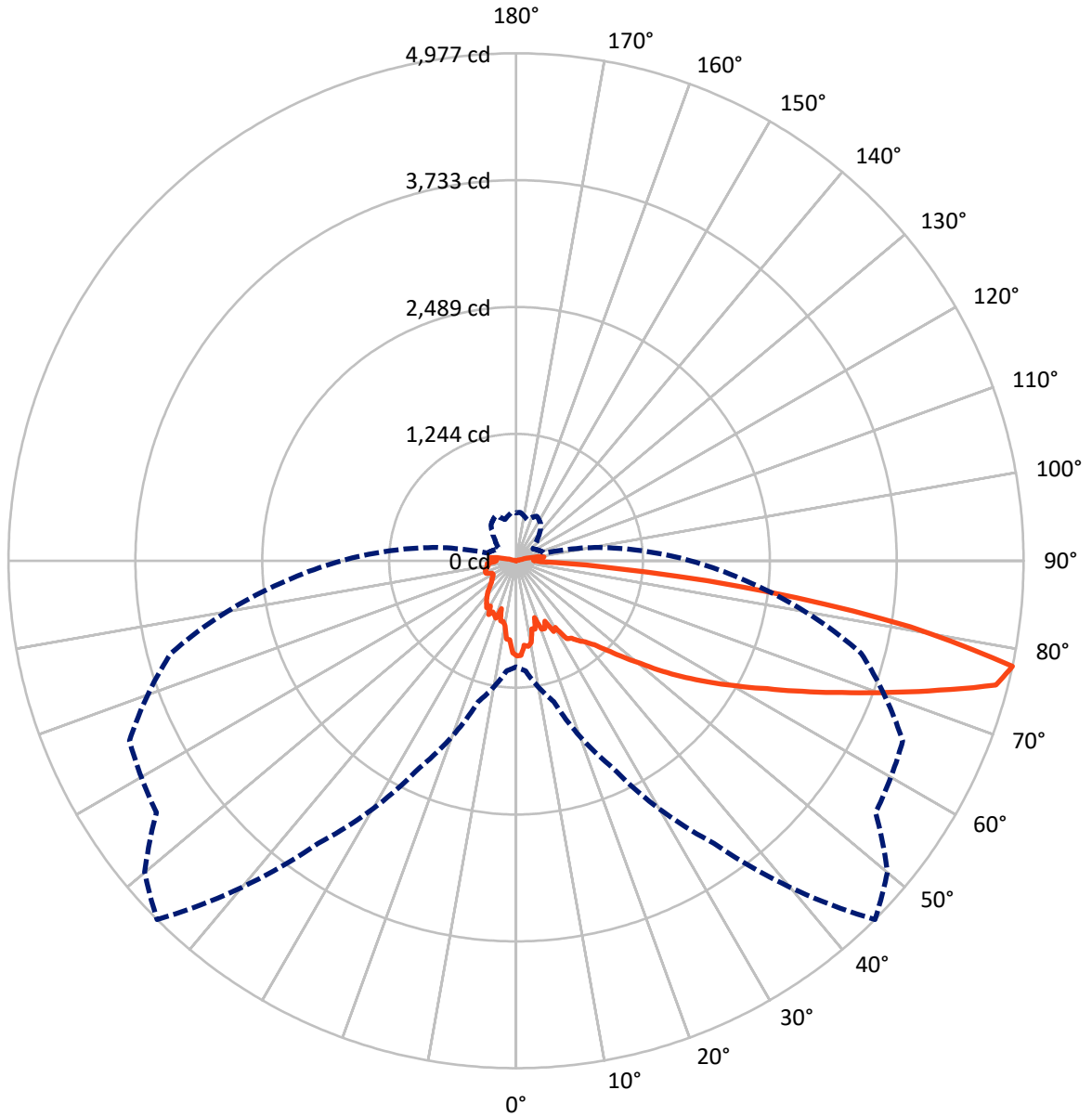
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 77.5-Deg Vertical



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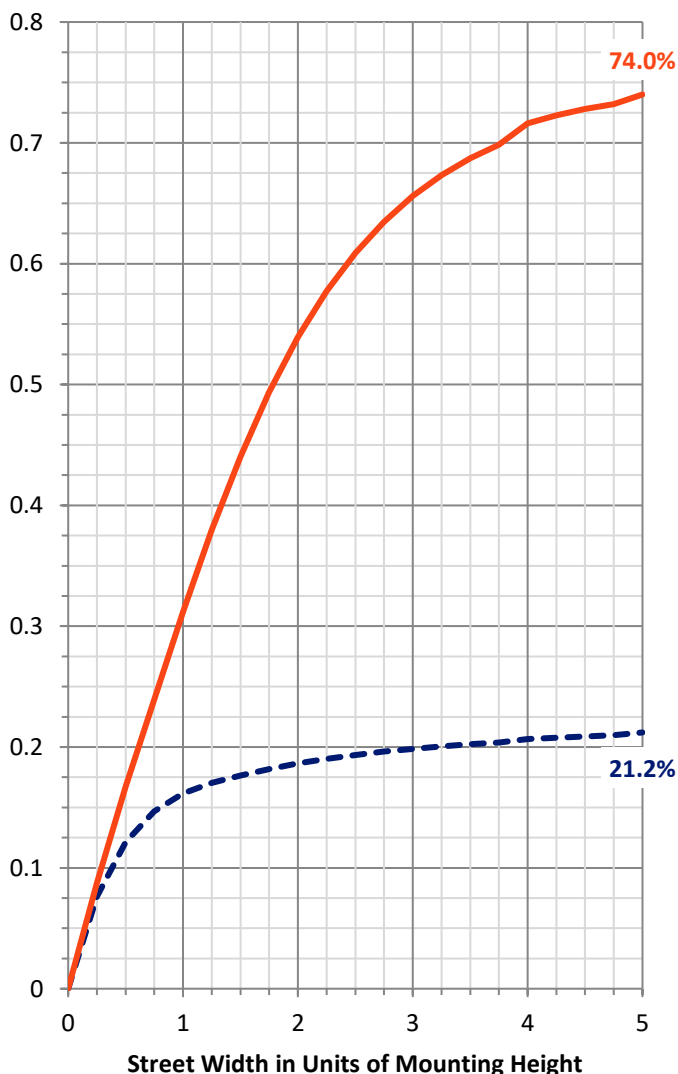
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1922.7	143.4	2066.1
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	6408.0	116.0	6524.1
	% Fixture	74.6	1.4	75.9
Total	Lumens	8330.7	259.5	8590.2
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.5	0.9
10°-20°	192.0	2.2
20°-30°	332.2	3.9
30°-40°	588.6	6.9
40°-50°	912.5	10.6
50°-60°	1469.0	17.1
60°-70°	2160.3	25.1
70°-80°	2079.9	24.2
80°-90°	518.7	6.0
90°-100°	193.4	2.3
100°-110°	42.8	0.5
110°-120°	9.2	0.1
120°-130°	7.7	0.1
130°-140°	3.3	0.0
140°-150°	1.4	0.0
150°-160°	1.5	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8330.7	97.0
0°-180°	8590.2	100.0

Coefficient of Utilization



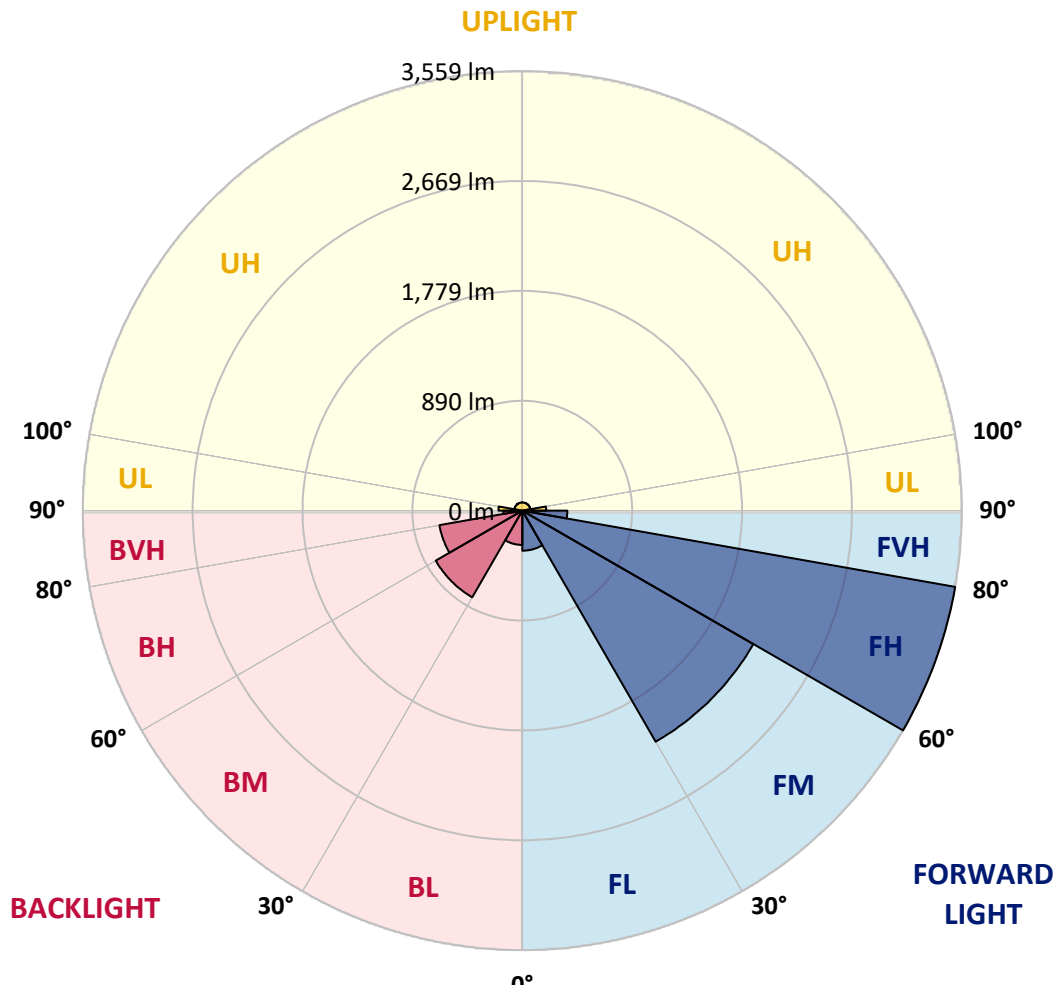
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	324.3	3.8			
FM (30°-60°)	2160.5	25.2			
FH (60°-80°)	3558.9	41.4			G2/5000
FVH (80°-90°)	364.3	4.2			G3/500
BL (0°-30°)	277.5	3.2	B1/500		
BM (30°-60°)	809.5	9.4	B1/1000		
BH (60°-80°)	681.3	7.9	B2/1000		G2/1000
BVH (80°-90°)	154.4	1.8			G2/225
UL (90°-100°)	193.4	2.3		U3/500	
UH (100°-180°)	66.1	0.8		U3/500	

BUG Rating: B2-U3-G3
 Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	932.6	932.6	932.6	932.6	932.6	932.6	932.6	932.6	932.6	932.6	932.6
2.5°	848.1	929.2	915.7	925.8	925.8	929.2	932.6	932.6	935.9	932.6	932.6
5°	865.0	861.6	854.8	848.1	841.3	831.2	831.2	831.2	912.3	919.0	912.3
7.5°	807.5	878.5	871.7	858.2	858.2	848.1	834.6	821.1	797.4	790.6	800.8
10°	912.3	908.9	898.8	878.5	804.2	817.7	733.2	662.2	635.2	652.1	696.0
12.5°	810.9	868.4	892.0	892.0	797.4	685.9	611.6	652.1	628.5	560.9	611.6
15°	956.2	949.4	922.4	878.5	699.4	696.0	655.5	574.4	584.5	635.2	682.5
17.5°	817.7	817.7	915.7	837.9	719.7	584.5	581.2	645.4	591.3	564.3	591.3
20°	986.6	983.2	952.8	696.0	726.4	716.3	591.3	658.9	564.3	648.7	709.5
22.5°	837.9	831.2	878.5	834.6	692.7	723.1	554.1	625.1	672.4	594.7	550.7
25°	986.6	993.4	979.9	743.3	787.3	655.5	669.0	712.9	618.3	753.5	783.9
27.5°	868.4	868.4	831.2	831.2	729.8	787.3	628.5	669.0	736.6	814.3	956.2
30°	1064.3	1067.7	1044.1	800.8	807.5	756.9	729.8	777.1	885.2	1057.6	1121.8
32.5°	1300.8	1300.8	1118.4	956.2	810.9	912.3	770.4	848.1	1003.5	1091.4	1175.8
35°	1449.5	1432.6	1351.5	1074.5	875.1	932.6	871.7	902.1	1040.7	1169.1	1229.9
37.5°	1662.4	1655.6	1574.5	1179.2	939.3	993.4	905.5	939.3	1108.2	1226.5	1297.5
40°	1956.3	1922.5	1851.6	1361.7	1017.0	1047.4	946.1	986.6	1189.3	1300.8	1385.3
42.5°	2189.5	2196.2	2145.5	1577.9	1145.4	1125.1	1017.0	1047.4	1277.2	1415.7	1510.3
45°	2405.7	2399.0	2409.1	1838.1	1304.2	1250.2	1142.0	1145.4	1388.7	1557.6	1686.0
47.5°	2554.4	2551.0	2574.7	2081.3	1506.9	1409.0	1280.6	1267.1	1517.1	1800.9	1925.9
50°	2733.5	2723.3	2709.8	2341.5	1736.7	1581.3	1463.0	1415.7	1682.6	2074.6	2230.0
52.5°	2953.1	2929.4	2885.5	2544.2	1990.1	1800.9	1669.1	1604.9	1905.6	2382.1	2581.4
55°	3162.6	3128.8	3091.6	2770.6	2223.3	2020.5	1878.6	1841.5	2196.2	2699.7	2956.5
57.5°	3368.7	3351.8	3321.4	3071.3	2520.6	2250.3	2091.5	2084.7	2534.1	3007.1	3358.5
60°	3561.3	3534.2	3574.8	3395.7	2797.7	2493.6	2324.6	2375.3	2905.8	3314.6	3804.5
62.5°	3679.5	3669.4	3757.2	3693.0	3054.4	2763.9	2591.5	2679.4	3263.9	3615.3	4199.9
65°	3503.8	3530.9	3878.9	3878.9	3351.8	3084.9	2915.9	2970.0	3601.8	3919.4	4561.4
67.5°	3182.8	3220.0	3693.0	3983.6	3618.7	3446.4	3270.7	3301.1	3902.5	4166.1	4855.3
70°	2909.2	2936.2	3375.4	3990.4	3787.6	3865.4	3611.9	3584.9	4135.7	4372.2	4963.5
72.5°	2669.3	2706.4	3068.0	3949.8	3953.2	4341.8	4017.4	3855.2	4348.5	4449.9	4618.8
75°	2115.1	2098.2	2507.1	3473.4	4007.3	4862.1	4493.8	4155.9	4453.3	4183.0	3622.1
77.5°	1040.7	1084.6	1429.2	2236.8	3382.2	4977.0	4754.0	4304.6	4183.0	3503.8	2260.4
80°	307.5	317.6	398.7	800.8	1942.8	3919.4	3926.2	3561.3	3145.7	2047.6	1020.4
82.5°	172.3	175.7	229.8	348.0	797.4	2483.4	2584.8	2138.8	1392.1	756.9	510.2
85°	91.2	94.6	118.3	182.5	405.5	990.0	1050.8	817.7	672.4	493.3	375.0
87.5°	43.9	43.9	40.5	60.8	148.7	239.9	266.9	304.1	270.3	253.4	310.9
90°	37.2	37.2	30.4	33.8	81.1	172.3	209.5	233.1	212.9	233.1	341.3
92.5°	40.5	40.5	30.4	33.8	87.8	192.6	229.8	260.2	226.4	250.0	378.4
95°	37.2	40.5	27.0	30.4	87.8	236.5	277.1	283.8	233.1	273.7	405.5
97.5°	30.4	30.4	20.3	23.7	77.7	277.1	304.1	294.0	206.1	209.5	324.4
100°	23.7	23.7	13.5	20.3	54.1	223.0	260.2	246.7	135.2	33.8	81.1
102.5°	20.3	20.3	10.1	16.9	23.7	108.1	138.5	135.2	81.1	20.3	16.9
105°	20.3	20.3	10.1	13.5	13.5	30.4	47.3	60.8	33.8	10.1	16.9
107.5°	20.3	20.3	10.1	6.8	6.8	13.5	16.9	16.9	16.9	10.1	20.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	20.3	20.3	6.8	6.8	3.4	6.8	6.8	6.8	6.8	10.1	20.3
115°	16.9	16.9	3.4	6.8	3.4	3.4	6.8	3.4	6.8	6.8	16.9
117.5°	16.9	13.5	3.4	3.4	3.4	3.4	3.4	3.4	6.8	10.1	20.3
120°	16.9	16.9	6.8	3.4	3.4	3.4	3.4	3.4	6.8	13.5	23.7
122.5°	16.9	16.9	6.8	3.4	0.0	3.4	3.4	3.4	6.8	13.5	27.0
125°	20.3	16.9	6.8	3.4	0.0	0.0	3.4	3.4	3.4	13.5	23.7
127.5°	16.9	13.5	6.8	3.4	0.0	0.0	3.4	3.4	3.4	10.1	20.3
130°	16.9	13.5	6.8	0.0	0.0	0.0	3.4	3.4	3.4	10.1	16.9
132.5°	13.5	10.1	6.8	0.0	0.0	0.0	3.4	3.4	3.4	6.8	13.5
135°	10.1	10.1	3.4	0.0	3.4	0.0	3.4	3.4	3.4	3.4	10.1
137.5°	6.8	6.8	3.4	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
140°	3.4	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
142.5°	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4
145°	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4
147.5°	3.4	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
150°	10.1	10.1	10.1	6.8	3.4	3.4	3.4	6.8	3.4	3.4	3.4
152.5°	10.1	10.1	10.1	6.8	0.0	0.0	3.4	3.4	6.8	3.4	3.4
155°	6.8	6.8	6.8	0.0	0.0	0.0	3.4	3.4	3.4	6.8	6.8
157.5°	3.4	3.4	3.4	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
160°	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4
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°	932.6	932.6	932.6	932.6	932.6	932.6	932.6	932.6	932.6	932.6	932.6
2.5°	929.2	925.8	922.4	919.0	912.3	905.5	888.6	817.7	817.7	821.1	821.1
5°	912.3	908.9	898.8	834.6	797.4	777.1	783.9	783.9	783.9	787.3	794.0
7.5°	797.4	794.0	746.7	743.3	756.9	773.7	783.9	767.0	733.2	733.2	733.2
10°	696.0	692.7	608.2	591.3	608.2	648.7	753.5	773.7	787.3	790.6	797.4
12.5°	608.2	598.0	523.7	577.8	540.6	608.2	702.8	780.5	709.5	696.0	696.0
15°	675.8	672.4	584.5	506.8	510.2	608.2	557.5	733.2	773.7	780.5	783.9
17.5°	591.3	584.5	537.2	533.9	564.3	489.9	618.3	699.4	665.6	675.8	675.8
20°	706.2	702.8	614.9	510.2	503.4	598.0	547.4	635.2	756.9	780.5	783.9
22.5°	547.4	547.4	564.3	598.0	544.0	571.0	584.5	672.4	648.7	662.2	702.8
25°	777.1	770.4	682.5	537.2	584.5	550.7	611.6	638.6	750.1	777.1	783.9
27.5°	942.7	925.8	733.2	604.8	527.1	591.3	587.9	618.3	635.2	740.0	753.5
30°	1111.6	1094.7	942.7	679.1	547.4	510.2	560.9	662.2	763.6	780.5	794.0
32.5°	1172.4	1158.9	963.0	719.7	550.7	544.0	557.5	662.2	837.9	905.5	919.0
35°	1236.6	1219.7	983.2	702.8	537.2	506.8	527.1	682.5	834.6	878.5	888.6
37.5°	1314.4	1283.9	1006.9	669.0	500.1	479.8	503.4	621.7	794.0	837.9	844.7
40°	1412.3	1381.9	1037.3	631.8	462.9	446.0	459.5	577.8	696.0	733.2	750.1
42.5°	1561.0	1503.6	1050.8	601.4	429.1	412.2	425.7	520.3	611.6	635.2	645.4
45°	1753.6	1652.2	1071.1	560.9	398.7	375.0	395.3	476.4	520.3	520.3	520.3
47.5°	1990.1	1827.9	1081.2	527.1	361.5	341.3	361.5	432.5	456.1	442.6	439.2
50°	2280.7	2050.9	1131.9	486.5	331.1	314.2	348.0	381.8	391.9	398.7	398.7
52.5°	2622.0	2307.7	1162.3	446.0	310.9	300.7	334.5	358.2	361.5	368.3	368.3
55°	2993.6	2588.2	1179.2	408.8	297.3	283.8	321.0	344.6	344.6	351.4	351.4
57.5°	3378.8	2912.5	1223.1	381.8	283.8	270.3	307.5	348.0	334.5	348.0	351.4
60°	3784.3	3213.2	1186.0	354.8	263.5	260.2	310.9	371.7	368.3	385.2	388.6
62.5°	4166.1	3453.1	1020.4	331.1	250.0	263.5	348.0	419.0	408.8	435.9	435.9
65°	4382.3	3534.2	750.1	317.6	239.9	283.8	385.2	466.3	432.5	446.0	439.2
67.5°	4429.6	3453.1	540.6	300.7	236.5	317.6	412.2	476.4	429.1	442.6	442.6
70°	4318.1	3263.9	435.9	287.2	233.1	321.0	419.0	476.4	432.5	462.9	456.1
72.5°	3814.7	2777.4	371.7	273.7	233.1	314.2	429.1	479.8	442.6	493.3	483.2
75°	2875.4	2078.0	327.7	260.2	219.6	304.1	435.9	483.2	429.1	483.2	476.4
77.5°	1709.7	1186.0	290.6	243.3	202.7	294.0	429.1	483.2	419.0	476.4	469.7
80°	723.1	557.5	246.7	212.9	185.8	280.4	422.4	479.8	402.1	462.9	452.8
82.5°	456.1	378.4	209.5	175.7	182.5	277.1	425.7	473.0	395.3	466.3	432.5
85°	368.3	310.9	179.1	148.7	168.9	283.8	408.8	429.1	341.3	402.1	391.9
87.5°	310.9	260.2	81.1	64.2	125.0	219.6	310.9	321.0	246.7	314.2	300.7
90°	341.3	283.8	77.7	54.1	111.5	192.6	287.2	280.4	236.5	300.7	297.3
92.5°	371.7	300.7	74.3	57.4	125.0	209.5	314.2	283.8	250.0	304.1	300.7
95°	385.2	307.5	71.0	60.8	148.7	229.8	334.5	277.1	263.5	280.4	277.1
97.5°	290.6	223.0	67.6	64.2	155.4	260.2	314.2	233.1	172.3	172.3	168.9
100°	74.3	74.3	60.8	60.8	104.7	189.2	239.9	172.3	98.0	74.3	77.7
102.5°	20.3	23.7	54.1	57.4	57.4	84.5	135.2	111.5	64.2	10.1	10.1
105°	20.3	20.3	37.2	43.9	30.4	27.0	54.1	60.8	47.3	6.8	10.1
107.5°	20.3	20.3	16.9	23.7	10.1	13.5	13.5	16.9	16.9	6.8	6.8



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 CATALOG NUMBER: SDL-PA1-90-730-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.7	20.3	10.1	6.8	6.8	6.8	6.8	6.8	6.8	16.9	16.9
115°	20.3	16.9	10.1	6.8	6.8	6.8	6.8	3.4	6.8	20.3	20.3
117.5°	23.7	20.3	10.1	6.8	3.4	6.8	6.8	3.4	6.8	23.7	23.7
120°	27.0	23.7	10.1	6.8	3.4	3.4	3.4	3.4	10.1	23.7	23.7
122.5°	27.0	27.0	13.5	3.4	3.4	3.4	3.4	3.4	10.1	23.7	23.7
125°	27.0	23.7	10.1	3.4	3.4	3.4	0.0	3.4	10.1	23.7	27.0
127.5°	20.3	20.3	10.1	3.4	3.4	3.4	0.0	3.4	10.1	20.3	23.7
130°	16.9	16.9	6.8	3.4	3.4	3.4	0.0	3.4	10.1	20.3	20.3
132.5°	13.5	13.5	6.8	3.4	3.4	0.0	0.0	0.0	10.1	16.9	16.9
135°	10.1	10.1	3.4	3.4	3.4	0.0	0.0	0.0	6.8	13.5	13.5
137.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	3.4	6.8	6.8
140°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4
142.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4
145°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	3.4
147.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4
150°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	3.4	6.8	3.4	6.8
152.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	3.4	6.8	6.8	6.8
155°	6.8	6.8	6.8	3.4	3.4	0.0	0.0	0.0	3.4	6.8	6.8
157.5°	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.4	3.4	3.4	3.4	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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Peachtree City, GA 30269

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110°	23.7	23.7	6.8	6.8	6.8	6.8	6.8	6.8	6.8	10.1	20.3
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110°	23.7	20.3	10.1	10.1	6.8	6.8	6.8	6.8	6.8	13.5	13.5
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(END OF REPORT)