

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: P561239

Luminaire Tested: **SDL-PA1-90-730-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561239
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-17)
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-T2R-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7079.7 lumens
Efficiency: N/A
Efficacy: 76.6 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 - U3 - 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



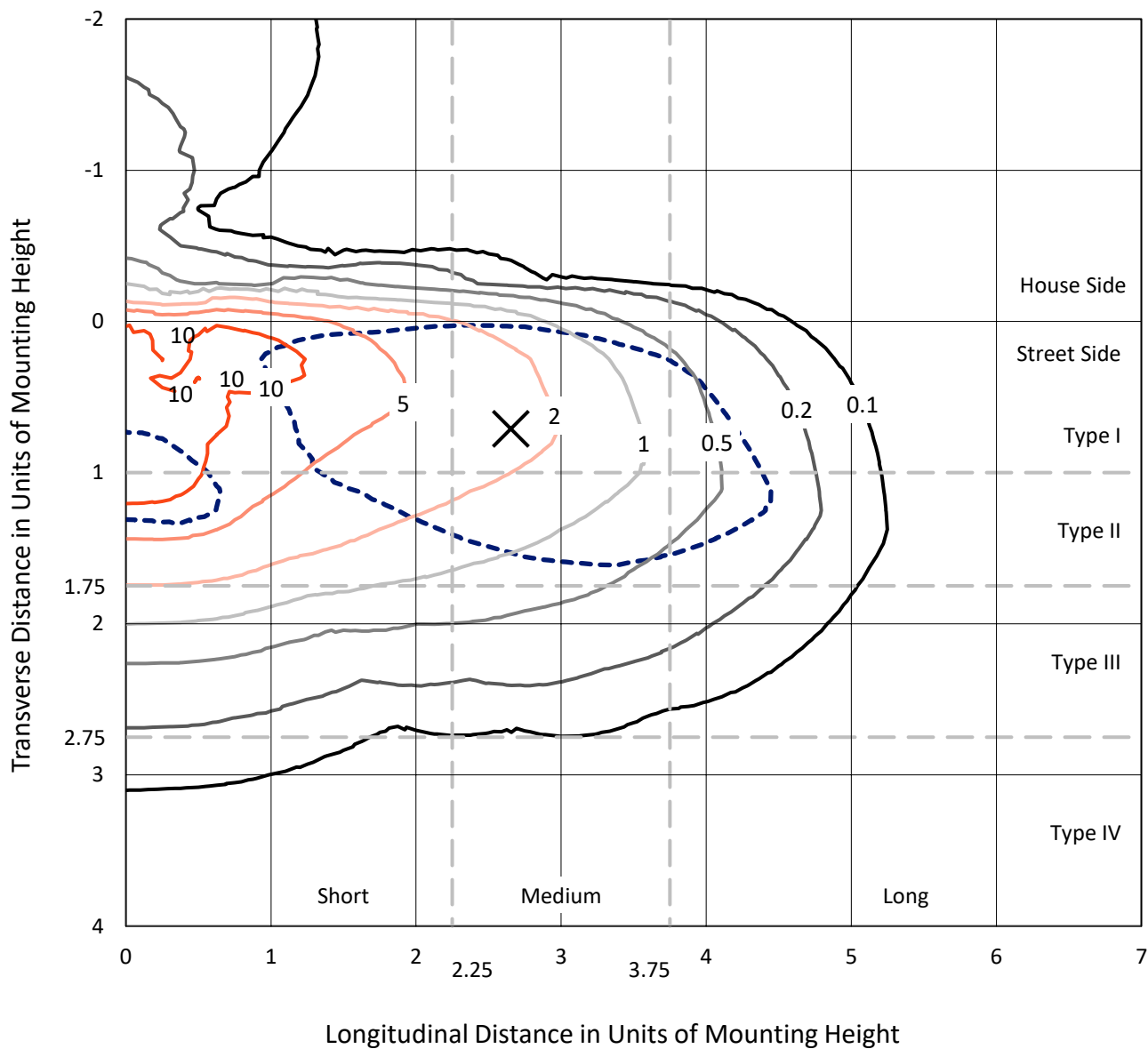
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



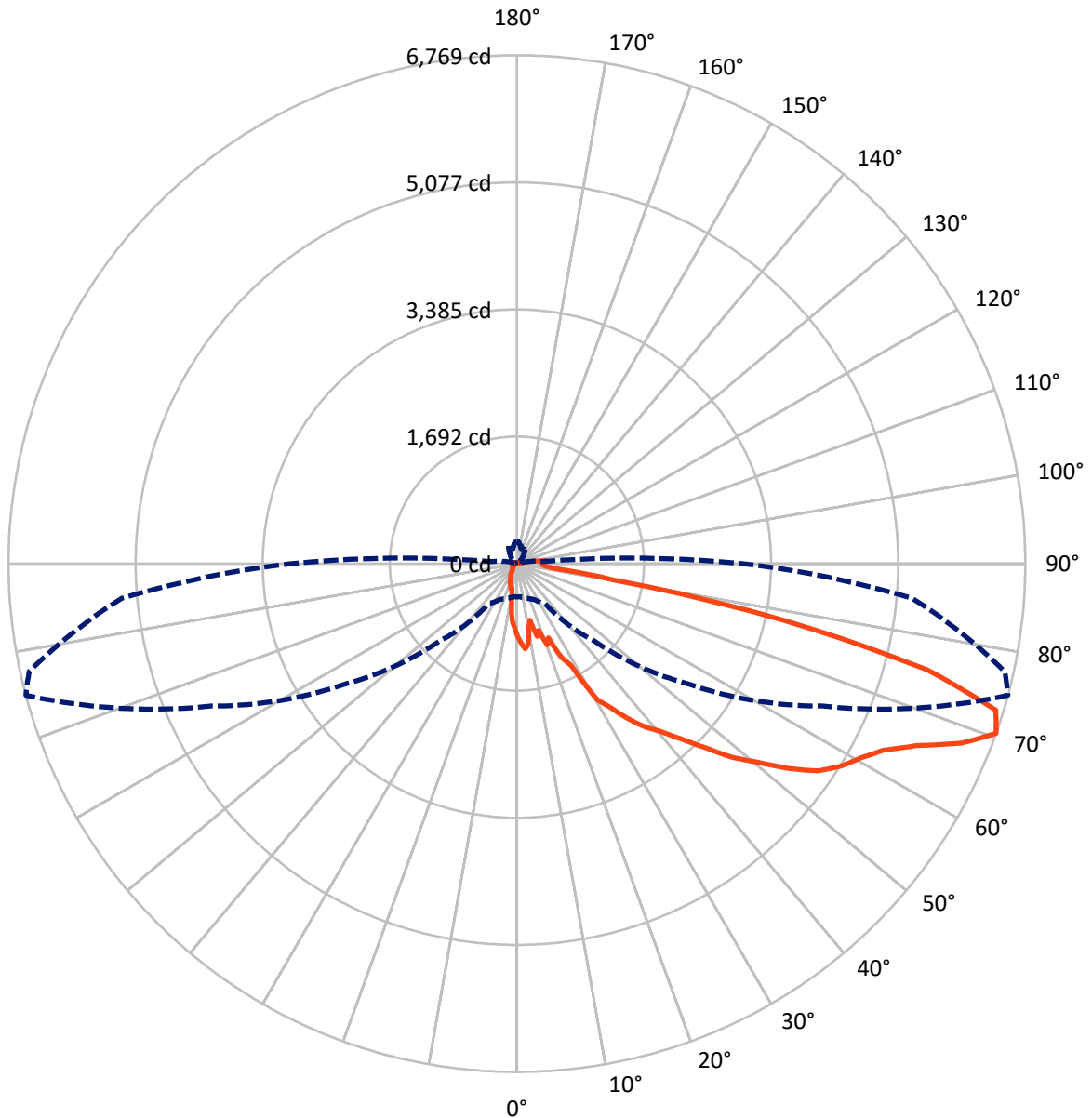
Based on 10 foot mounting height. Maximum calculated value = 17.7 fc

Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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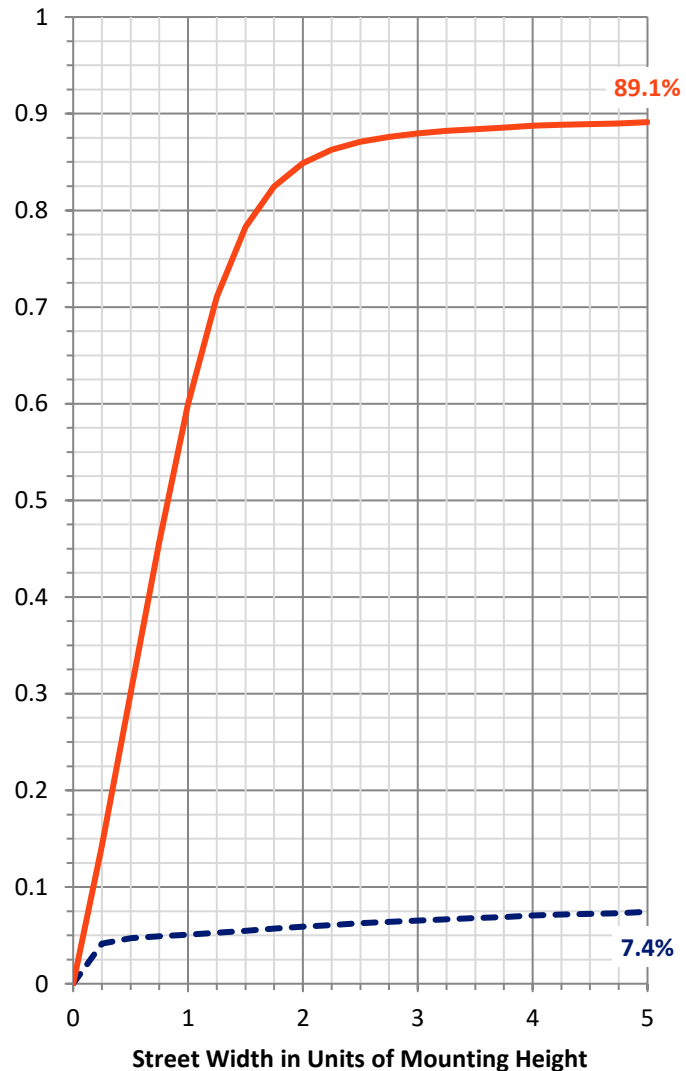
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	576.9	71.7	648.6
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	6340.9	90.2	6431.1
	% Fixture	89.6	1.3	90.8
Total	Lumens	6917.7	161.9	7079.7
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.5	1.1
10°-20°	186.7	2.6
20°-30°	350.4	4.9
30°-40°	786.2	11.1
40°-50°	1294.0	18.3
50°-60°	1586.2	22.4
60°-70°	1485.6	21.0
70°-80°	967.4	13.7
80°-90°	184.8	2.6
90°-100°	106.0	1.5
100°-110°	23.8	0.3
110°-120°	12.1	0.2
120°-130°	10.2	0.1
130°-140°	5.0	0.1
140°-150°	2.5	0.0
150°-160°	2.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	6917.7	97.7
0°-180°	7079.7	100.0



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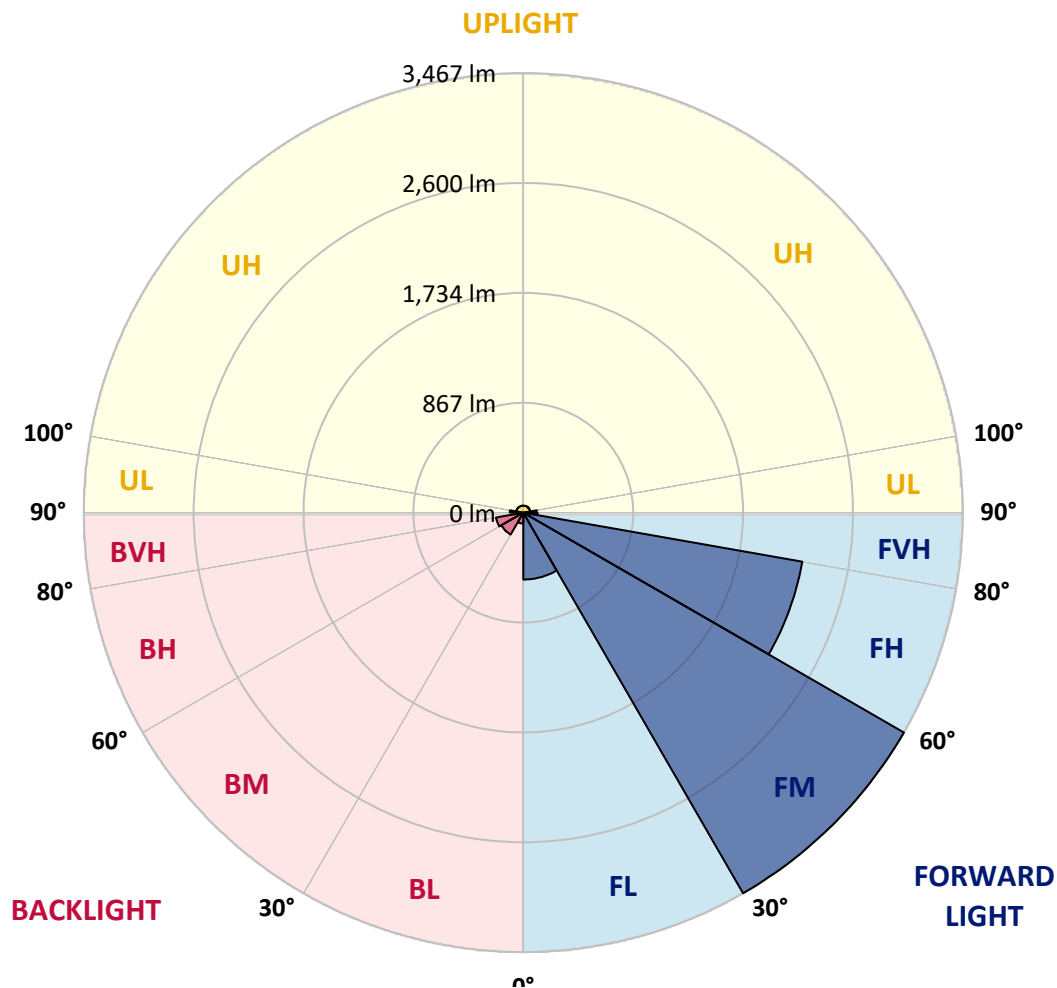
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	527.4	7.4			
FM	(30°-60°)	3467.0	49.0			
FH	(60°-80°)	2234.6	31.6			G2/5000
FVH	(80°-90°)	111.9	1.6			G2/225
BL	(0°-30°)	86.2	1.2	B0/110		
BM	(30°-60°)	199.4	2.8	B0/220		
BH	(60°-80°)	218.4	3.1	B1/500		G1/500
BVH	(80°-90°)	72.9	1.0			G1/100
UL	(90°-100°)	106.0	1.5		U3/500	
UH	(100°-180°)	55.9	0.8		U3/500	

BUG Rating: B1-U3-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	963.1	963.1	963.1	963.1	963.1	963.1	963.1	963.1	963.1	963.1	963.1
2.5°	1074.7	1142.2	1162.5	1196.3	1213.2	1192.9	1155.8	1108.4	1057.8	1044.2	1000.3
5°	1220.0	1206.5	1196.3	1196.3	1176.0	1132.1	1091.6	1216.6	1138.9	1122.0	1034.1
7.5°	1108.4	1213.2	1290.9	1297.7	1287.6	1253.8	1196.3	1067.9	1084.8	1064.5	956.4
10°	1341.6	1345.0	1331.5	1341.6	1247.0	1199.7	1013.8	936.1	875.3	956.4	858.4
12.5°	1111.8	1277.4	1372.0	1405.8	1287.6	1132.1	1037.5	996.9	773.9	753.6	777.3
15°	1358.5	1365.3	1375.4	1341.6	1044.2	1186.2	963.1	888.8	1003.7	976.7	959.8
17.5°	1074.7	1088.2	1318.0	1304.5	1209.8	939.5	1145.6	1020.6	932.7	898.9	875.3
20°	1368.7	1372.0	1368.7	1037.5	1128.7	1263.9	1078.0	1044.2	1155.8	1142.2	1081.4
22.5°	1149.0	1149.0	1226.7	1331.5	1186.2	1267.3	1098.3	1301.1	1074.7	1067.9	804.3
25°	1588.3	1588.3	1534.3	1176.0	1345.0	1192.9	1304.5	1169.3	1388.9	1341.6	1206.5
27.5°	1544.4	1497.1	1412.6	1483.6	1301.1	1493.7	1263.9	1426.1	1530.9	1574.8	1503.8
30°	2145.9	2145.9	2054.7	1588.3	1524.1	1443.0	1459.9	1706.6	2098.6	2105.4	1818.1
32.5°	2906.3	2852.2	2369.0	2047.9	1666.1	1811.4	1649.2	2007.4	2281.1	2271.0	1933.0
35°	3217.2	3200.3	3051.6	2514.3	1929.6	1983.7	1858.7	2122.3	2527.8	2460.2	2071.6
37.5°	3534.9	3507.8	3355.8	2777.9	2206.8	2277.7	2014.1	2291.2	2754.2	2656.2	2223.7
40°	3730.9	3734.3	3626.1	2987.4	2426.4	2463.6	2200.0	2497.4	2936.7	2957.0	2355.5
42.5°	3937.0	3933.6	3845.8	3234.1	2608.9	2656.2	2348.7	2693.4	3183.4	3207.1	2578.5
45°	4048.5	4041.8	3991.1	3403.1	2754.2	2788.0	2578.5	2933.3	3484.2	3477.4	2761.0
47.5°	4075.6	4085.7	4082.3	3568.7	2906.3	2919.8	2784.6	3109.1	3849.2	3774.8	3000.9
50°	3923.5	3930.3	3977.6	3700.5	3017.8	3031.3	2946.9	3308.5	4156.7	4068.8	3217.2
52.5°	3501.1	3541.6	3741.0	3619.4	3065.1	3115.8	3098.9	3460.5	4531.8	4423.7	3484.2
55°	2602.2	2696.8	3153.0	3315.2	3041.5	3119.2	3234.1	3737.6	4873.1	4741.3	3700.5
57.5°	2075.0	2091.9	2362.2	2808.3	2848.8	3102.3	3376.0	3906.6	5086.0	4954.2	3855.9
60°	1639.0	1666.1	1841.8	2200.0	2487.3	3000.9	3416.6	4079.0	5255.0	5143.5	4028.3
62.5°	1270.7	1267.3	1402.5	1642.4	2004.0	2788.0	3362.5	4183.7	5471.3	5386.8	4335.8
65°	885.4	885.4	1000.3	1192.9	1517.4	2406.1	3254.4	4332.4	5839.6	5816.0	4717.7
67.5°	604.9	618.4	696.2	790.8	1040.9	1956.7	3092.2	4484.5	6377.0	6265.4	5086.0
70°	442.7	442.7	473.1	523.8	648.8	1459.9	2801.5	4487.9	6769.0	6654.1	5278.7
72.5°	327.8	327.8	351.5	375.1	408.9	969.9	2298.0	4204.0	6667.6	6485.1	4886.6
75°	172.4	172.4	267.0	277.1	273.7	628.6	1696.5	3453.8	5636.9	5332.7	3825.5
77.5°	135.2	138.6	152.1	216.3	199.4	412.3	946.2	2125.7	3643.0	3271.3	2071.6
80°	98.0	94.6	118.3	138.6	118.3	239.9	446.1	932.7	1290.9	1118.6	682.6
82.5°	57.5	60.8	71.0	101.4	101.4	169.0	290.6	408.9	463.0	459.6	408.9
85°	6.8	10.1	37.2	67.6	60.8	98.0	243.3	283.9	365.0	371.7	365.0
87.5°	6.8	6.8	10.1	13.5	16.9	64.2	206.1	246.7	337.9	361.6	365.0
90°	13.5	10.1	6.8	6.8	10.1	50.7	192.6	253.5	358.2	365.0	381.9
92.5°	16.9	13.5	6.8	3.4	10.1	40.6	182.5	253.5	371.7	395.4	412.3
95°	23.7	20.3	6.8	3.4	10.1	33.8	155.5	239.9	388.6	429.2	446.1
97.5°	30.4	27.0	6.8	6.8	10.1	27.0	121.7	189.2	256.8	290.6	314.3
100°	33.8	33.8	6.8	6.8	10.1	16.9	60.8	104.8	81.1	77.7	87.9
102.5°	37.2	37.2	6.8	6.8	6.8	10.1	20.3	43.9	16.9	16.9	27.0
105°	37.2	37.2	6.8	6.8	6.8	6.8	6.8	16.9	13.5	16.9	30.4
107.5°	33.8	37.2	6.8	10.1	10.1	6.8	6.8	6.8	13.5	20.3	30.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	23.7	16.9	3.4	10.1	6.8	6.8	3.4	6.8	16.9	23.7	33.8
115°	10.1	6.8	3.4	6.8	6.8	6.8	3.4	6.8	16.9	27.0	33.8
117.5°	6.8	3.4	3.4	3.4	3.4	6.8	3.4	10.1	23.7	30.4	40.6
120°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	10.1	30.4	33.8	47.3
122.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	30.4	33.8	47.3
125°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	23.7	30.4	40.6
127.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	16.9	23.7	33.8
130°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	16.9	20.3	27.0
132.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	10.1	13.5	20.3
135°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8	13.5
137.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
140°	3.4	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
142.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
145°	3.4	3.4	3.4	3.4	6.8	3.4	3.4	3.4	3.4	3.4	3.4
147.5°	3.4	3.4	3.4	6.8	6.8	6.8	3.4	3.4	3.4	3.4	3.4
150°	6.8	10.1	16.9	13.5	6.8	3.4	6.8	3.4	3.4	3.4	3.4
152.5°	16.9	16.9	13.5	13.5	3.4	3.4	6.8	6.8	3.4	3.4	3.4
155°	13.5	13.5	10.1	3.4	3.4	3.4	3.4	6.8	10.1	13.5	10.1
157.5°	0.0	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4
160°	0.0	0.0	0.0	0.0	3.4	3.4	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°	963.1	963.1	963.1	963.1	963.1	963.1	963.1	963.1	963.1	963.1	963.1
2.5°	966.5	932.7	858.4	800.9	740.1	706.3	642.1	588.0	547.5	540.7	540.7
5°	966.5	898.9	767.1	625.2	493.4	425.8	388.6	365.0	348.1	341.3	337.9
7.5°	865.1	777.3	601.5	435.9	378.5	317.7	273.7	239.9	209.5	199.4	189.2
10°	757.0	648.8	408.9	300.8	239.9	199.4	179.1	169.0	158.8	155.5	155.5
12.5°	672.5	561.0	327.8	246.7	169.0	141.9	135.2	128.4	125.0	121.7	118.3
15°	821.2	672.5	341.3	169.0	118.3	101.4	94.6	98.0	104.8	104.8	104.8
17.5°	760.4	591.4	283.9	128.4	98.0	74.3	81.1	87.9	94.6	84.5	81.1
20°	909.1	696.2	277.1	101.4	81.1	74.3	71.0	60.8	77.7	77.7	77.7
22.5°	659.0	527.2	209.5	94.6	67.6	64.2	54.1	60.8	64.2	54.1	54.1
25°	976.7	686.0	206.1	74.3	67.6	50.7	54.1	43.9	54.1	54.1	54.1
27.5°	1209.8	811.1	182.5	77.7	57.5	50.7	40.6	43.9	40.6	40.6	40.6
30°	1439.6	912.4	165.6	77.7	54.1	40.6	37.2	33.8	40.6	40.6	40.6
32.5°	1507.2	888.8	131.8	81.1	50.7	37.2	30.4	33.8	33.8	37.2	37.2
35°	1584.9	868.5	111.5	71.0	47.3	33.8	27.0	30.4	33.8	37.2	37.2
37.5°	1659.3	834.7	101.4	64.2	40.6	30.4	23.7	27.0	71.0	77.7	77.7
40°	1753.9	794.2	94.6	57.5	33.8	23.7	20.3	54.1	64.2	74.3	74.3
42.5°	1889.1	770.5	87.9	54.1	30.4	20.3	20.3	47.3	91.2	101.4	101.4
45°	2000.6	730.0	84.5	47.3	27.0	16.9	33.8	64.2	74.3	94.6	91.2
47.5°	2139.2	692.8	81.1	43.9	23.7	16.9	37.2	67.6	94.6	108.1	108.1
50°	2287.9	672.5	77.7	40.6	23.7	16.9	64.2	64.2	77.7	121.7	121.7
52.5°	2477.1	659.0	71.0	33.8	20.3	33.8	87.9	77.7	94.6	125.0	125.0
55°	2568.4	615.1	67.6	30.4	16.9	33.8	94.6	87.9	98.0	131.8	131.8
57.5°	2649.5	571.1	60.8	30.4	16.9	43.9	101.4	111.5	94.6	114.9	128.4
60°	2723.8	527.2	54.1	27.0	16.9	54.1	111.5	155.5	131.8	155.5	155.5
62.5°	2896.2	493.4	47.3	30.4	13.5	60.8	145.3	189.2	148.7	189.2	185.9
65°	3058.4	452.8	43.9	27.0	16.9	71.0	158.8	219.7	162.2	219.7	219.7
67.5°	3122.6	402.2	40.6	27.0	16.9	81.1	158.8	243.3	192.6	246.7	250.1
70°	3011.1	331.2	37.2	30.4	20.3	91.2	165.6	260.2	206.1	287.3	287.3
72.5°	2558.2	226.4	37.2	33.8	40.6	101.4	196.0	270.4	216.3	344.7	348.1
75°	1909.4	128.4	40.6	37.2	43.9	114.9	216.3	280.5	226.4	348.1	348.1
77.5°	1088.2	87.9	40.6	43.9	54.1	114.9	226.4	290.6	223.0	341.3	334.6
80°	378.5	64.2	40.6	50.7	67.6	114.9	229.8	287.3	216.3	317.7	317.7
82.5°	256.8	54.1	40.6	50.7	81.1	121.7	226.4	270.4	192.6	267.0	256.8
85°	239.9	43.9	43.9	54.1	87.9	121.7	206.1	233.2	162.2	199.4	196.0
87.5°	236.6	40.6	50.7	57.5	94.6	111.5	175.7	192.6	131.8	162.2	158.8
90°	246.7	40.6	54.1	60.8	87.9	91.2	141.9	162.2	108.1	128.4	125.0
92.5°	263.6	40.6	57.5	67.6	77.7	67.6	114.9	128.4	91.2	98.0	94.6
95°	280.5	40.6	64.2	71.0	64.2	50.7	87.9	104.8	74.3	71.0	71.0
97.5°	185.9	30.4	67.6	71.0	54.1	37.2	67.6	81.1	43.9	37.2	37.2
100°	60.8	23.7	71.0	74.3	50.7	27.0	57.5	60.8	33.8	16.9	16.9
102.5°	27.0	23.7	64.2	64.2	43.9	20.3	40.6	43.9	23.7	6.8	6.8
105°	23.7	13.5	37.2	47.3	30.4	10.1	20.3	23.7	13.5	6.8	6.8
107.5°	27.0	13.5	20.3	27.0	13.5	10.1	10.1	10.1	6.8	6.8	6.8



REPORT NUMBER: P561239

CATALOG NUMBER: SDL-PA1-90-730-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	30.4	13.5	10.1	13.5	10.1	10.1	6.8	6.8	13.5	23.7	23.7
115°	30.4	13.5	10.1	13.5	10.1	10.1	6.8	3.4	13.5	33.8	37.2
117.5°	33.8	16.9	6.8	10.1	6.8	6.8	6.8	3.4	16.9	43.9	43.9
120°	40.6	16.9	6.8	6.8	6.8	3.4	6.8	6.8	16.9	47.3	47.3
122.5°	40.6	20.3	6.8	6.8	6.8	3.4	3.4	6.8	20.3	43.9	47.3
125°	33.8	16.9	6.8	6.8	6.8	3.4	3.4	6.8	20.3	40.6	47.3
127.5°	27.0	16.9	6.8	6.8	6.8	3.4	3.4	6.8	20.3	33.8	37.2
130°	23.7	13.5	6.8	6.8	6.8	3.4	3.4	6.8	16.9	27.0	30.4
132.5°	16.9	10.1	6.8	6.8	6.8	3.4	3.4	3.4	16.9	27.0	27.0
135°	13.5	10.1	6.8	6.8	6.8	3.4	3.4	3.4	13.5	20.3	20.3
137.5°	6.8	3.4	6.8	6.8	6.8	3.4	3.4	3.4	10.1	10.1	10.1
140°	3.4	3.4	3.4	6.8	3.4	3.4	3.4	3.4	3.4	6.8	3.4
142.5°	3.4	3.4	3.4	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4
145°	3.4	3.4	3.4	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4
147.5°	3.4	3.4	3.4	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4
150°	3.4	3.4	3.4	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4
152.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4
155°	6.8	6.8	3.4	6.8	3.4	3.4	0.0	3.4	3.4	3.4	3.4
157.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4
160°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	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



Report Generated By 670245982



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110°		30.4	30.4	6.8	10.1	10.1	6.8	3.4	6.8	13.5	20.3	33.8
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110°	27.0	13.5	10.1	16.9	13.5	10.1	6.8	6.8	6.8	10.1	10.1
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(END OF REPORT)