

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: P561246

Luminaire Tested: **SDL-PA1-90-730-U-T3-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561246
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-3)
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-T3-A
Description: Springdale
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8718.5 lumens
Efficiency: N/A
Efficacy: 94.4 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



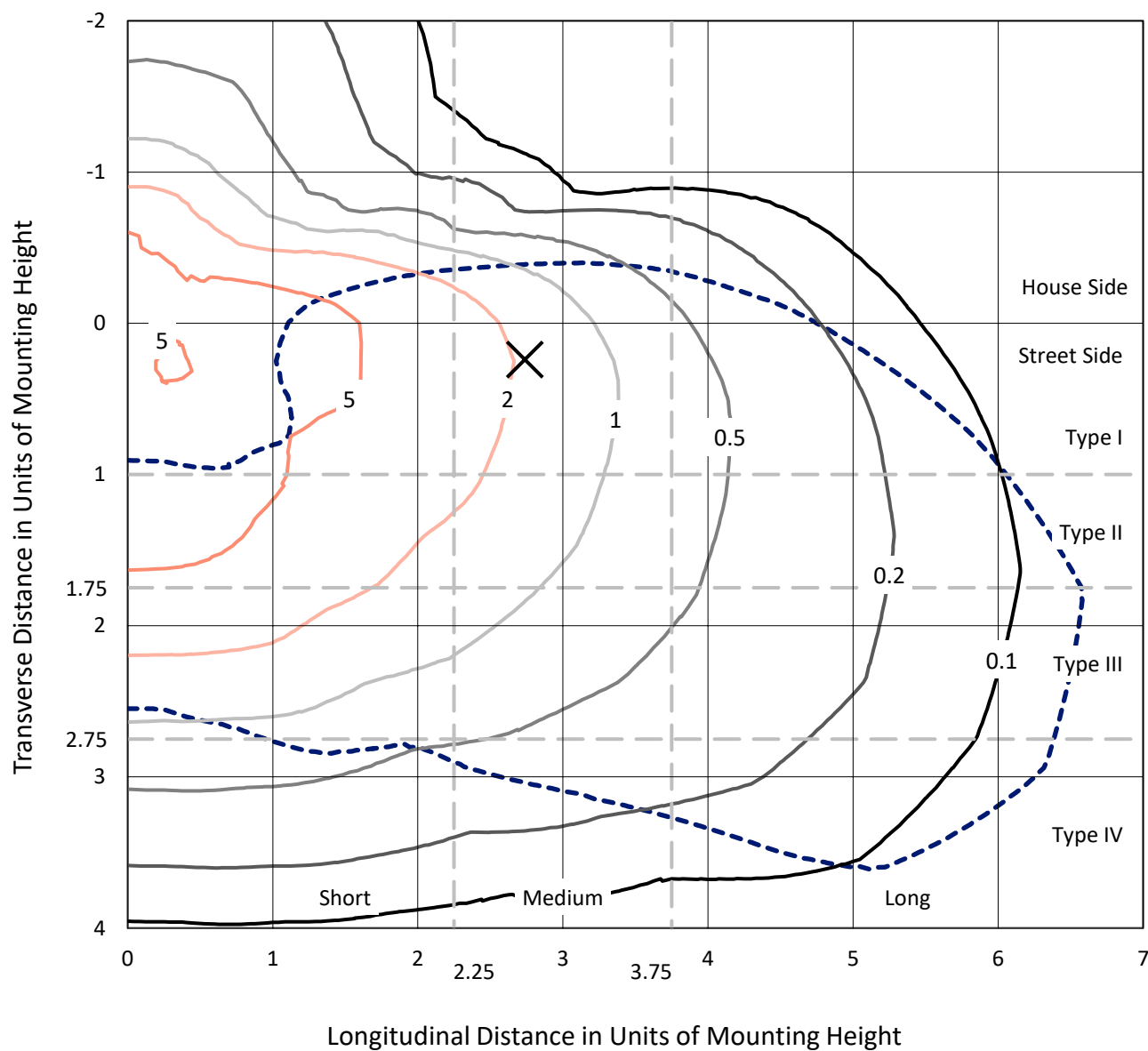
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

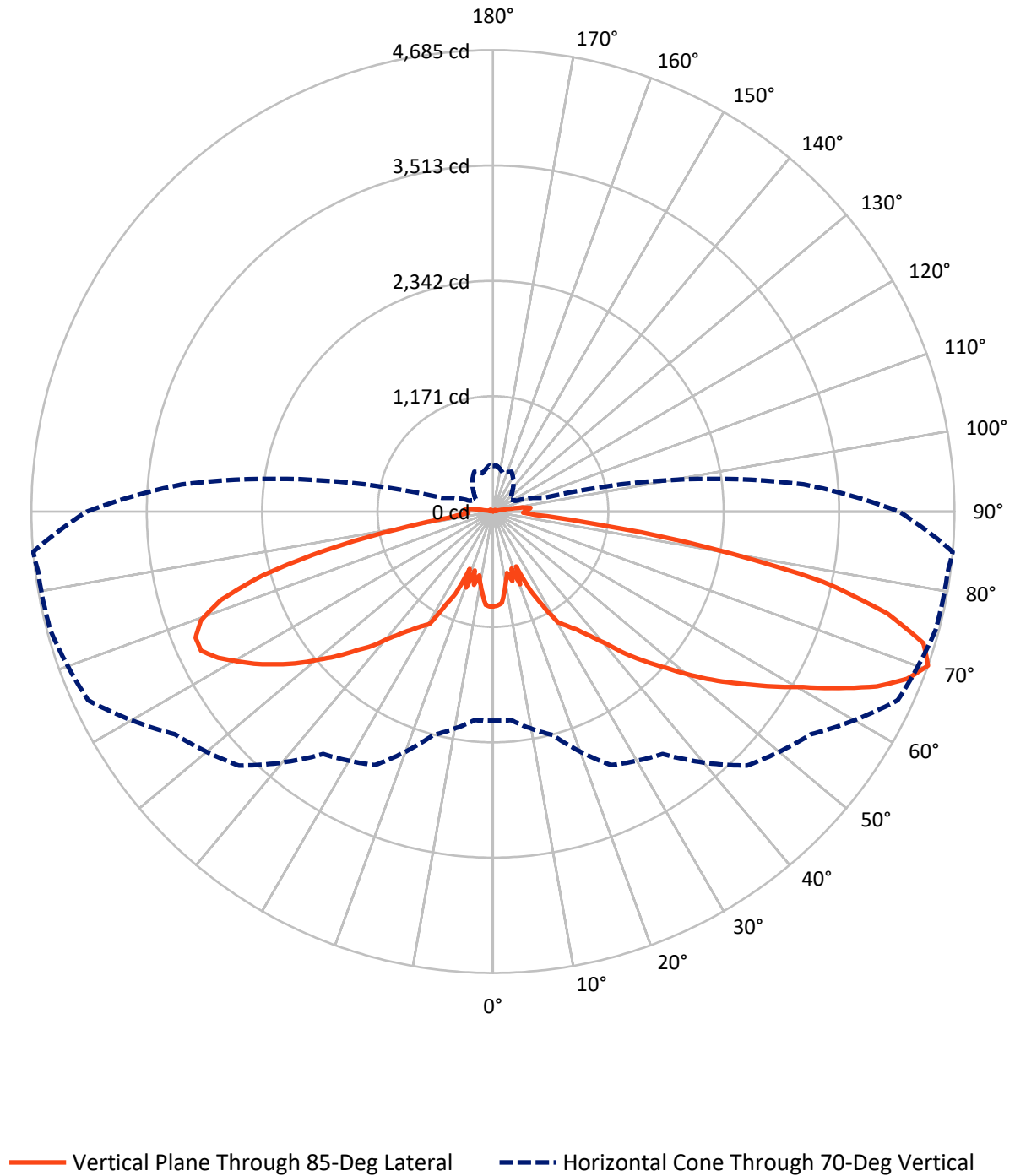


Based on 10 foot mounting height. Maximum calculated value = 9.8 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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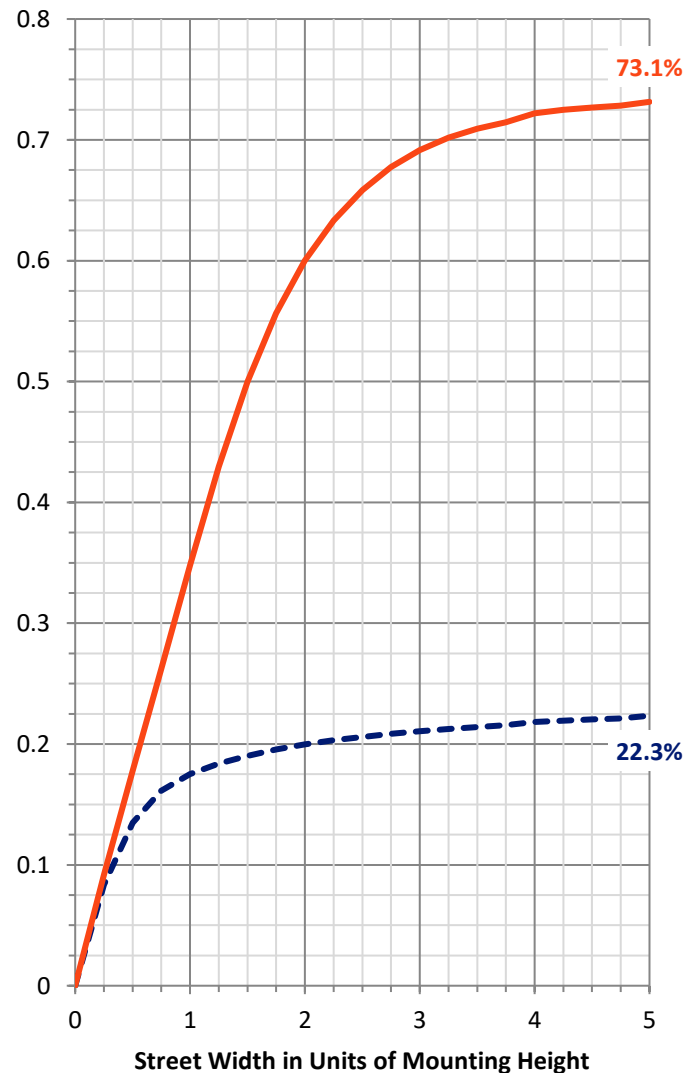
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2049.8	132.0	2181.8
	% Fixture	23.5	1.5	25.0
Street Side	Lumens	6425.1	111.6	6536.7
	% Fixture	73.7	1.3	75.0
Total	Lumens	8474.9	243.6	8718.5
	% Fixture	97.2	2.8	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.5	0.9
10°-20°	192.4	2.2
20°-30°	350.4	4.0
30°-40°	662.4	7.6
40°-50°	1107.0	12.7
50°-60°	1727.8	19.8
60°-70°	2142.6	24.6
70°-80°	1750.5	20.1
80°-90°	463.3	5.3
90°-100°	175.9	2.0
100°-110°	37.5	0.4
110°-120°	12.1	0.1
120°-130°	9.4	0.1
130°-140°	4.5	0.1
140°-150°	2.1	0.0
150°-160°	1.9	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	8474.9	97.2
0°-180°	8718.5	100.0



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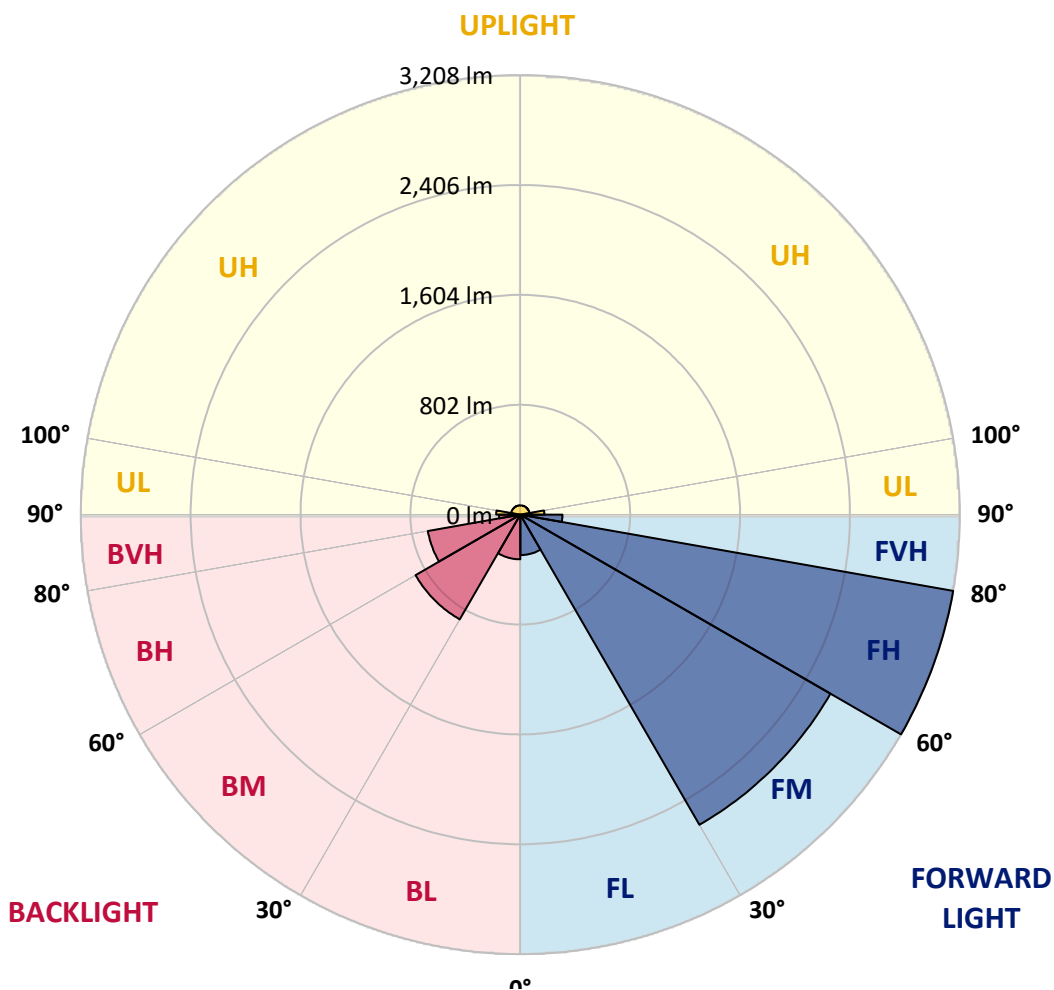
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	295.3	3.4			
FM	(30°-60°)	2614.2	30.0			
FH	(60°-80°)	3208.2	36.8			G2/5000
FVH	(80°-90°)	307.4	3.5			G3/500
BL	(0°-30°)	326.0	3.7	B1/500		
BM	(30°-60°)	882.9	10.1	B1/1000		
BH	(60°-80°)	684.9	7.9	B2/1000		G2/1000
BVH	(80°-90°)	156.0	1.8			G2/225
UL	(90°-100°)	175.9	2.0		U3/500	
UH	(100°-180°)	67.7	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°	55°	65°	75°	82.5°	85°
0°	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3
2.5°	797.6	875.4	861.9	885.5	899.0	919.3	932.8	939.6	946.4	953.1	953.1
5°	740.2	743.6	747.0	750.3	757.1	767.2	777.4	885.5	919.3	932.8	932.8
7.5°	676.0	672.6	686.1	703.0	726.7	740.2	750.3	753.7	790.9	821.3	828.1
10°	672.6	676.0	676.0	682.7	642.2	638.8	591.5	594.9	645.6	723.3	726.7
12.5°	584.7	601.6	638.8	665.8	625.3	561.1	550.9	578.0	540.8	635.4	638.8
15°	652.3	648.9	648.9	621.9	527.3	554.3	493.5	513.7	628.7	716.5	733.4
17.5°	567.8	561.1	628.7	608.4	547.5	463.0	554.3	547.5	567.8	618.5	608.4
20°	713.2	706.4	692.9	527.3	554.3	581.3	564.4	527.3	665.8	743.6	787.5
22.5°	665.8	672.6	706.4	669.2	571.2	598.2	534.0	648.9	628.7	598.2	605.0
25°	909.2	902.4	868.6	655.7	682.7	557.7	652.3	578.0	797.6	885.5	892.3
27.5°	838.2	828.1	804.4	824.7	692.9	730.1	635.4	757.1	882.1	1037.6	1084.9
30°	1112.0	1101.8	1074.8	831.4	824.7	723.3	770.6	929.5	1189.7	1308.0	1304.6
32.5°	1433.1	1358.7	1193.1	1064.7	882.1	939.6	882.1	1095.1	1267.5	1382.4	1382.4
35°	1629.1	1615.6	1527.7	1237.0	1027.5	1024.1	1014.0	1206.6	1399.3	1480.4	1473.6
37.5°	1794.7	1818.4	1754.2	1433.1	1159.3	1186.3	1135.6	1358.7	1561.5	1608.8	1602.1
40°	2024.5	2017.8	1984.0	1602.1	1321.5	1318.1	1281.0	1541.2	1740.6	1774.4	1757.5
42.5°	2365.9	2328.7	2227.3	1828.5	1493.9	1493.9	1426.3	1713.6	1960.3	1963.7	1973.8
45°	2785.0	2768.1	2589.0	2180.0	1717.0	1713.6	1602.1	1896.1	2183.4	2200.3	2169.9
47.5°	3075.7	3025.0	2937.1	2501.1	2061.7	1984.0	1815.0	2075.2	2450.4	2436.9	2376.0
50°	3363.0	3322.4	3241.3	2852.6	2420.0	2264.5	2014.4	2261.1	2707.3	2670.1	2612.6
52.5°	3609.7	3555.6	3467.7	3139.9	2734.3	2612.6	2244.2	2430.1	2967.5	2906.7	2852.6
55°	3751.7	3640.1	3646.9	3396.8	2970.9	2872.9	2501.1	2703.9	3221.0	3133.1	3089.2
57.5°	3575.9	3569.1	3680.7	3555.6	3187.2	3089.2	2774.9	2977.7	3484.6	3369.7	3349.4
60°	3400.1	3420.4	3579.3	3602.9	3356.2	3285.2	3011.5	3366.3	3741.5	3616.5	3616.5
62.5°	3156.8	3214.3	3437.3	3619.8	3373.1	3477.9	3258.2	3697.6	4022.0	3907.1	3944.3
65°	2879.6	2879.6	3136.5	3481.3	3319.0	3606.3	3532.0	4059.2	4268.8	4201.2	4278.9
67.5°	2501.1	2507.9	2774.9	3210.9	3221.0	3670.5	3751.7	4343.1	4525.6	4474.9	4532.4
70°	2122.6	2125.9	2349.0	2839.1	3004.7	3646.9	3940.9	4532.4	4650.7	4657.5	4684.5
72.5°	1588.5	1646.0	1855.5	2305.1	2629.5	3548.9	4038.9	4586.5	4647.3	4657.5	4569.6
75°	855.1	882.1	1115.4	1500.7	1953.6	3146.7	4008.5	4529.0	4485.1	4366.8	4137.0
77.5°	297.4	310.9	392.1	655.7	1108.6	2227.3	3717.9	4278.9	4137.0	3765.2	3427.2
80°	192.7	192.7	212.9	314.3	503.6	1054.5	2886.4	3667.2	3332.6	2538.3	2224.0
82.5°	135.2	138.6	155.5	209.6	324.5	452.9	1500.7	1862.3	1835.3	1264.1	1064.7
85°	98.0	101.4	108.2	121.7	223.1	280.5	584.7	895.7	828.1	452.9	425.9
87.5°	43.9	50.7	43.9	54.1	87.9	172.4	280.5	277.1	263.6	300.8	307.6
90°	33.8	33.8	27.0	30.4	60.8	155.5	260.2	250.1	267.0	327.8	324.5
92.5°	33.8	33.8	27.0	30.4	57.5	155.5	273.8	243.4	277.1	351.5	354.9
95°	33.8	37.2	27.0	27.0	47.3	158.9	290.7	260.2	294.0	381.9	381.9
97.5°	30.4	30.4	20.3	23.7	37.2	145.3	290.7	223.1	216.3	307.6	304.2
100°	23.7	27.0	13.5	20.3	27.0	87.9	216.3	138.6	60.8	71.0	108.2
102.5°	23.7	23.7	13.5	16.9	20.3	37.2	114.9	81.1	16.9	23.7	23.7
105°	23.7	27.0	13.5	13.5	13.5	16.9	54.1	40.6	13.5	20.3	23.7
107.5°	27.0	27.0	10.1	10.1	10.1	10.1	20.3	16.9	13.5	23.7	27.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	82.5°	85°
112.5°	23.7	23.7	10.1	10.1	6.8	6.8	6.8	10.1	13.5	20.3	23.7
115°	16.9	16.9	6.8	10.1	6.8	6.8	6.8	10.1	10.1	16.9	20.3
117.5°	16.9	13.5	6.8	6.8	3.4	6.8	6.8	10.1	13.5	23.7	23.7
120°	16.9	16.9	6.8	3.4	3.4	3.4	3.4	6.8	16.9	27.0	30.4
122.5°	16.9	16.9	6.8	3.4	3.4	3.4	3.4	6.8	16.9	27.0	30.4
125°	20.3	16.9	10.1	3.4	3.4	3.4	3.4	3.4	13.5	23.7	27.0
127.5°	16.9	16.9	10.1	3.4	3.4	3.4	3.4	3.4	10.1	20.3	23.7
130°	16.9	16.9	10.1	3.4	3.4	3.4	3.4	3.4	10.1	16.9	16.9
132.5°	13.5	13.5	10.1	3.4	3.4	3.4	3.4	3.4	6.8	13.5	13.5
135°	13.5	13.5	6.8	3.4	3.4	3.4	3.4	3.4	3.4	10.1	10.1
137.5°	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
140°	0.0	3.4	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
142.5°	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
145°	0.0	0.0	0.0	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
147.5°	3.4	3.4	3.4	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4
150°	10.1	10.1	10.1	6.8	6.8	3.4	6.8	3.4	3.4	3.4	3.4
152.5°	10.1	10.1	13.5	6.8	3.4	3.4	3.4	6.8	3.4	3.4	3.4
155°	6.8	6.8	6.8	3.4	3.4	3.4	3.4	3.4	6.8	6.8	10.1
157.5°	3.4	3.4	3.4	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°	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3	963.3
2.5°	956.5	963.3	966.6	976.8	976.8	976.8	953.1	895.7	895.7	899.0	902.4
5°	943.0	949.7	963.3	915.9	868.6	865.2	882.1	892.3	895.7	899.0	892.3
7.5°	834.8	848.3	841.6	845.0	868.6	892.3	912.6	899.0	865.2	841.6	848.3
10°	743.6	757.1	682.7	689.5	716.5	784.1	895.7	932.8	956.5	966.6	966.6
12.5°	652.3	662.5	598.2	692.9	645.6	750.3	872.0	963.3	872.0	834.8	834.8
15°	747.0	767.2	689.5	615.1	628.7	760.5	669.2	919.3	946.4	953.1	959.9
17.5°	638.8	625.3	638.8	648.9	706.4	591.5	767.2	865.2	811.2	790.9	801.0
20°	804.4	817.9	747.0	638.8	645.6	753.7	682.7	774.0	922.7	926.1	932.8
22.5°	611.8	628.7	669.2	760.5	665.8	730.1	719.9	804.4	753.7	757.1	784.1
25°	899.0	912.6	841.6	679.4	726.7	659.1	726.7	716.5	845.0	851.7	851.7
27.5°	1101.8	1071.4	919.3	767.2	638.8	696.3	655.7	682.7	652.3	743.6	757.1
30°	1311.4	1311.4	1193.1	855.1	676.0	591.5	598.2	648.9	723.3	736.8	736.8
32.5°	1375.6	1372.2	1220.1	926.1	665.8	611.8	550.9	611.8	740.2	804.4	811.2
35°	1466.9	1453.3	1267.5	902.4	642.2	557.7	520.5	615.1	709.8	719.9	713.2
37.5°	1581.8	1548.0	1324.9	858.5	588.1	523.9	500.2	554.3	635.4	635.4	635.4
40°	1723.7	1669.7	1345.2	797.6	530.6	479.9	456.3	513.7	567.8	537.4	527.3
42.5°	1916.4	1835.3	1362.1	753.7	479.9	442.8	412.3	466.4	493.5	476.6	469.8
45°	2095.5	1973.8	1389.1	706.4	439.4	409.0	381.9	429.2	449.5	432.6	429.2
47.5°	2308.5	2146.2	1392.5	662.5	409.0	381.9	361.6	402.2	415.7	415.7	412.3
50°	2528.1	2311.8	1419.5	625.3	378.5	354.9	351.5	381.9	392.1	385.3	381.9
52.5°	2778.3	2497.7	1429.7	578.0	341.4	324.5	341.4	361.6	392.1	395.4	395.4
55°	3045.3	2670.1	1422.9	513.7	314.3	307.6	331.2	375.2	402.2	381.9	378.5
57.5°	3305.5	2842.5	1426.3	442.8	287.3	300.8	334.6	392.1	412.3	388.7	378.5
60°	3538.7	2997.9	1379.0	378.5	267.0	283.9	348.1	409.0	402.2	409.0	398.8
62.5°	3826.0	3160.2	1243.8	338.0	250.1	277.1	348.1	419.1	392.1	419.1	419.1
65°	4062.6	3281.9	1051.1	304.2	236.6	277.1	351.5	422.5	381.9	425.9	425.9
67.5°	4164.0	3278.5	760.5	277.1	219.7	270.4	351.5	436.0	392.1	439.4	436.0
70°	4123.4	3166.9	537.4	256.9	209.6	273.8	365.0	446.1	402.2	466.4	463.0
72.5°	3849.7	2903.3	388.7	240.0	196.0	260.2	375.2	459.7	412.3	507.0	507.0
75°	3390.0	2426.7	314.3	223.1	182.5	256.9	378.5	466.4	419.1	513.7	513.7
77.5°	2592.4	1744.0	263.6	206.2	169.0	250.1	375.2	476.6	415.7	513.7	513.7
80°	1554.7	993.7	219.7	185.9	172.4	246.7	381.9	476.6	415.7	507.0	507.0
82.5°	716.5	456.3	196.0	155.5	162.2	243.4	388.7	469.8	398.8	507.0	486.7
85°	398.8	321.1	169.0	131.8	145.3	229.8	368.4	422.5	358.3	419.1	412.3
87.5°	297.4	250.1	108.2	67.6	94.6	162.2	283.9	334.6	270.4	324.5	321.1
90°	317.7	263.6	98.0	67.6	101.4	148.7	267.0	297.4	250.1	300.8	297.4
92.5°	341.4	277.1	98.0	71.0	114.9	162.2	267.0	290.7	246.7	273.8	277.1
95°	358.3	287.3	94.6	77.7	121.7	175.8	260.2	267.0	226.5	236.6	246.7
97.5°	280.5	216.3	84.5	81.1	118.3	142.0	212.9	209.6	155.5	145.3	145.3
100°	87.9	60.8	74.4	84.5	71.0	67.6	125.1	148.7	91.3	60.8	57.5
102.5°	27.0	23.7	67.6	81.1	54.1	30.4	67.6	94.6	67.6	10.1	13.5
105°	27.0	27.0	43.9	67.6	37.2	13.5	27.0	50.7	40.6	10.1	10.1
107.5°	27.0	23.7	16.9	37.2	13.5	10.1	13.5	13.5	13.5	10.1	10.1



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CATALOG NUMBER: SDL-PA1-90-730-U-T3-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	27.0	27.0	13.5	13.5	10.1	10.1	6.8	6.8	10.1	23.7	23.7
115°	23.7	23.7	13.5	10.1	6.8	10.1	6.8	6.8	10.1	27.0	27.0
117.5°	27.0	27.0	13.5	10.1	6.8	6.8	6.8	3.4	10.1	30.4	33.8
120°	33.8	30.4	16.9	6.8	6.8	6.8	6.8	6.8	13.5	27.0	30.4
122.5°	33.8	33.8	16.9	6.8	3.4	3.4	3.4	6.8	13.5	27.0	30.4
125°	30.4	30.4	16.9	6.8	3.4	3.4	3.4	3.4	13.5	23.7	23.7
127.5°	27.0	27.0	13.5	6.8	3.4	3.4	3.4	3.4	10.1	20.3	23.7
130°	20.3	20.3	10.1	6.8	3.4	3.4	3.4	3.4	10.1	16.9	20.3
132.5°	16.9	16.9	10.1	6.8	3.4	3.4	3.4	3.4	10.1	13.5	16.9
135°	10.1	10.1	6.8	3.4	3.4	3.4	3.4	3.4	6.8	10.1	13.5
137.5°	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8
140°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4
142.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	3.4	3.4	3.4	3.4
145°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
147.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4
150°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	6.8	6.8	10.1	6.8
152.5°	3.4	3.4	3.4	6.8	3.4	0.0	0.0	6.8	6.8	10.1	10.1
155°	10.1	10.1	6.8	3.4	3.4	0.0	0.0	0.0	6.8	6.8	6.8
157.5°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	3.4	3.4	3.4
160°	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	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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110°	27.0	27.0	10.1	10.1	6.8	6.8	10.1	10.1	13.5	23.7	27.0
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110°	27.0	27.0	13.5	13.5	10.1	10.1	10.1	6.8	6.8	16.9	16.9
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(END OF REPORT)