

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: P561261

Luminaire Tested: **SDL-PA1-90-740-U-T2R-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561261
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-PA1-90-740-U-T2R-HSS-A
Description: Springdale
(1) 70 CRI, 4000K, 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: 7773.6 lumens
Efficiency: N/A
Efficacy: 84.1 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

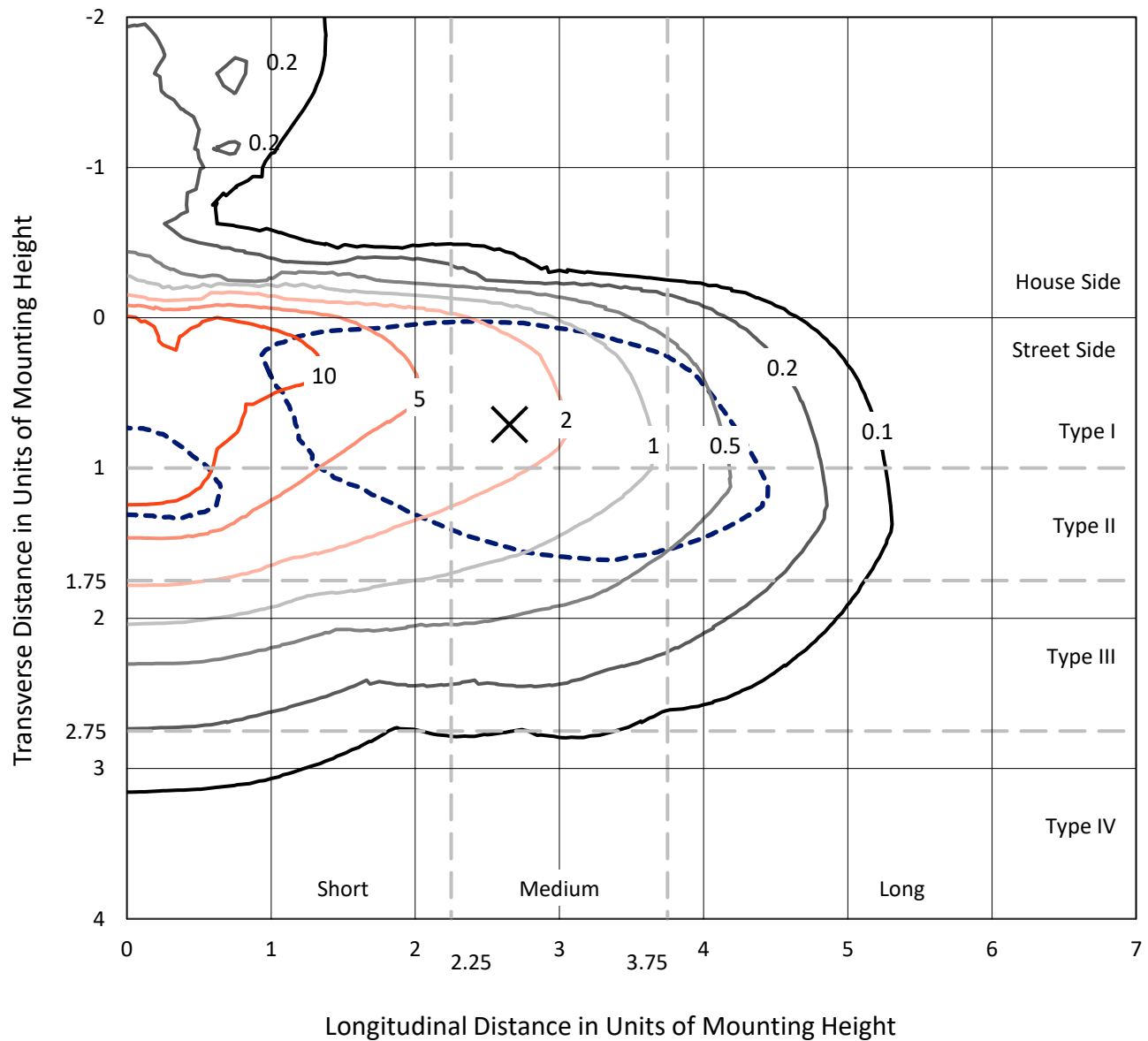


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

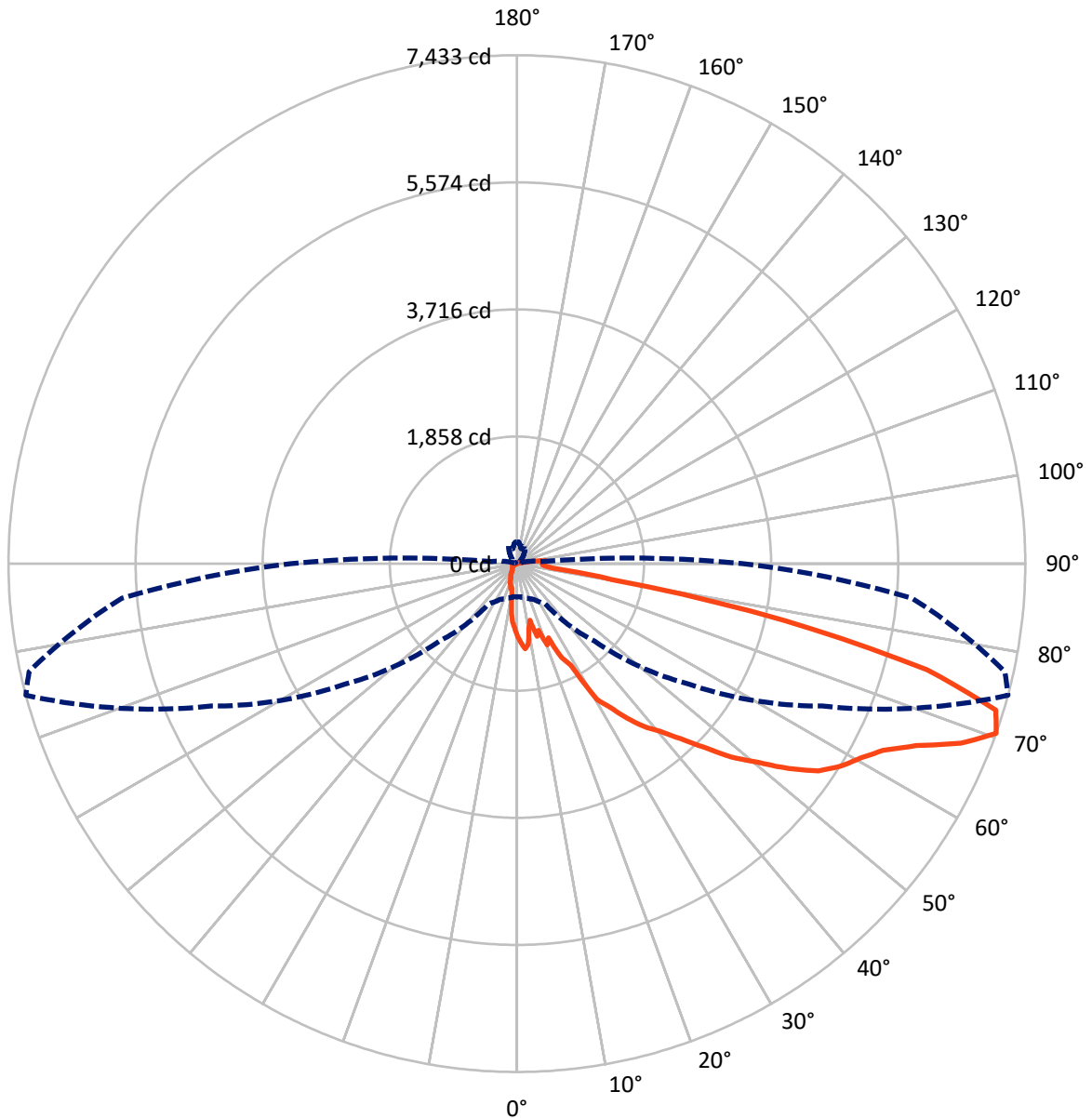


Based on 10 foot mounting height. Maximum calculated value = 19.4 fc
Type II - Medium - N/A

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Luminous Intensity Polar Plot



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

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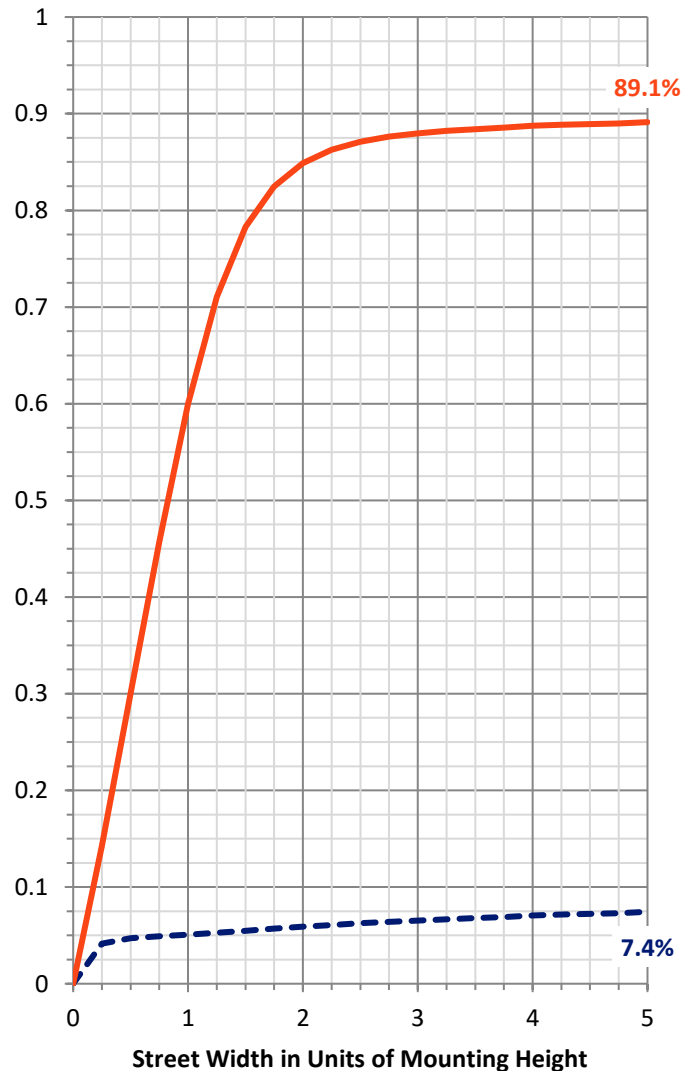
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	633.4	78.7	712.1
	% Fixture	8.1	1.0	9.2
Street Side	Lumens	6962.5	99.0	7061.5
	% Fixture	89.6	1.3	90.8
Total	Lumens	7595.9	177.7	7773.6
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.9	1.1
10°-20°	205.1	2.6
20°-30°	384.7	4.9
30°-40°	863.3	11.1
40°-50°	1420.8	18.3
50°-60°	1741.7	22.4
60°-70°	1631.2	21.0
70°-80°	1062.3	13.7
80°-90°	202.9	2.6
90°-100°	116.4	1.5
100°-110°	26.1	0.3
110°-120°	13.3	0.2
120°-130°	11.2	0.1
130°-140°	5.5	0.1
140°-150°	2.7	0.0
150°-160°	2.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	7595.9	97.7
0°-180°	7773.6	100.0



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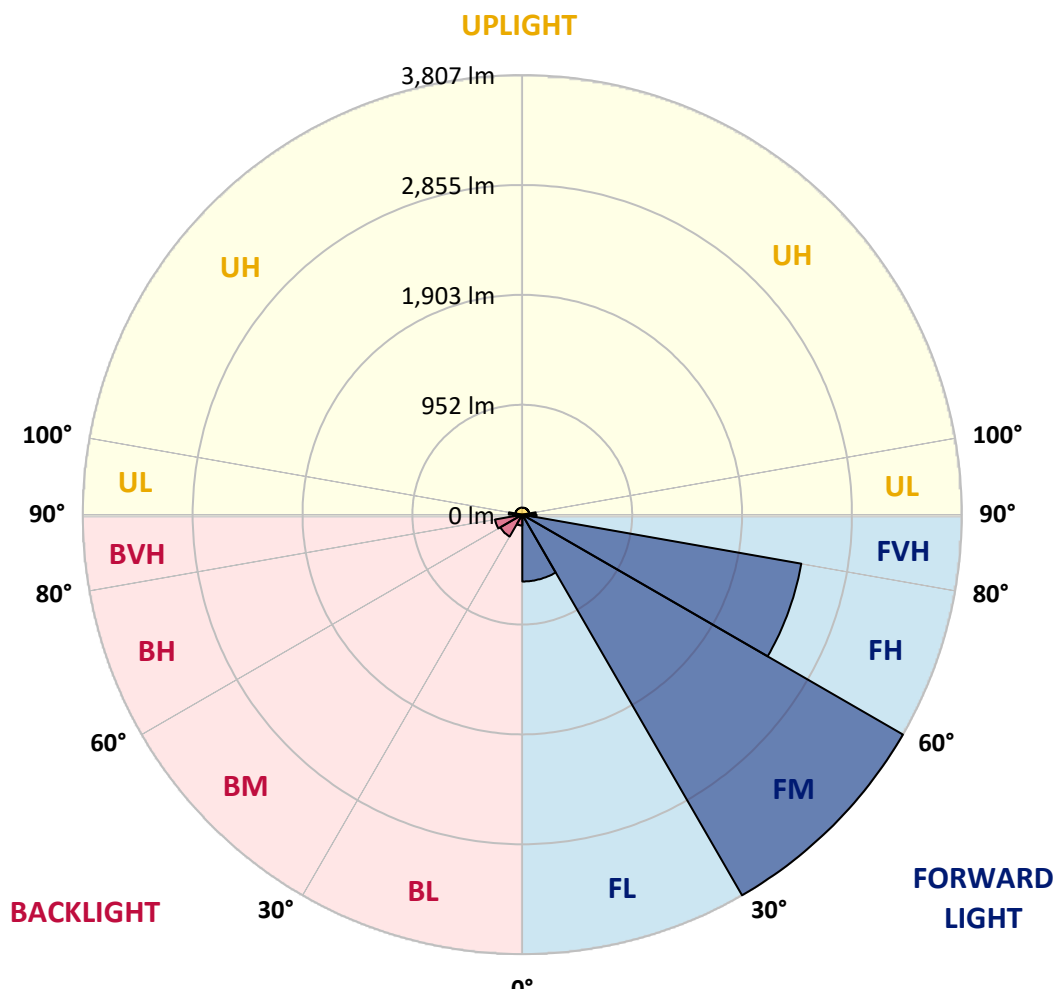
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	579.1	7.4			
FM	(30°-60°)	3806.9	49.0			
FH	(60°-80°)	2453.7	31.6			G2/5000
FVH	(80°-90°)	122.8	1.6			G2/225
BL	(0°-30°)	94.6	1.2	B0/110		
BM	(30°-60°)	218.9	2.8	B0/220		
BH	(60°-80°)	239.8	3.1	B1/500		G1/500
BVH	(80°-90°)	80.1	1.0			G1/100
UL	(90°-100°)	116.4	1.5		U3/500	
UH	(100°-180°)	61.3	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°	1057.6	1057.6	1057.6	1057.6	1057.6	1057.6	1057.6	1057.6	1057.6	1057.6	1057.6
2.5°	1180.0	1254.2	1276.5	1313.6	1332.2	1309.9	1269.1	1217.1	1161.5	1146.6	1098.4
5°	1339.6	1324.7	1313.6	1313.6	1291.3	1243.1	1198.6	1335.9	1250.5	1232.0	1135.5
7.5°	1217.1	1332.2	1417.5	1424.9	1413.8	1376.7	1313.6	1172.6	1191.1	1168.9	1050.1
10°	1473.2	1476.9	1462.0	1473.2	1369.3	1317.3	1113.2	1027.9	961.1	1050.1	942.5
12.5°	1220.8	1402.7	1506.6	1543.7	1413.8	1243.1	1139.2	1094.7	849.8	827.5	853.5
15°	1491.7	1499.1	1510.3	1473.2	1146.6	1302.5	1057.6	975.9	1102.1	1072.4	1053.8
17.5°	1180.0	1194.9	1447.2	1432.3	1328.4	1031.6	1257.9	1120.6	1024.2	987.1	961.1
20°	1502.8	1506.6	1502.8	1139.2	1239.4	1387.8	1183.7	1146.6	1269.1	1254.2	1187.4
22.5°	1261.6	1261.6	1347.0	1462.0	1302.5	1391.5	1206.0	1428.6	1180.0	1172.6	883.2
25°	1744.0	1744.0	1684.7	1291.3	1476.9	1309.9	1432.3	1283.9	1525.1	1473.2	1324.7
27.5°	1695.8	1643.9	1551.1	1629.0	1428.6	1640.1	1387.8	1565.9	1681.0	1729.2	1651.3
30°	2356.3	2356.3	2256.1	1744.0	1673.5	1584.5	1603.0	1873.9	2304.4	2311.8	1996.4
32.5°	3191.2	3131.9	2601.2	2248.7	1829.4	1989.0	1810.8	2204.2	2504.7	2493.6	2122.5
35°	3532.6	3514.1	3350.8	2760.8	2118.8	2178.2	2040.9	2330.3	2775.6	2701.4	2274.7
37.5°	3881.4	3851.7	3684.8	3050.2	2423.1	2501.0	2211.6	2515.9	3024.2	2916.6	2441.7
40°	4096.6	4100.4	3981.6	3280.3	2664.3	2705.1	2415.7	2742.2	3224.6	3246.9	2586.4
42.5°	4323.0	4319.3	4222.8	3551.2	2864.7	2916.6	2579.0	2957.5	3495.5	3521.5	2831.3
45°	4445.5	4438.0	4382.4	3736.7	3024.2	3061.4	2831.3	3220.9	3825.8	3818.3	3031.7
47.5°	4475.1	4486.3	4482.6	3918.5	3191.2	3206.1	3057.6	3413.9	4226.5	4144.9	3295.1
50°	4308.2	4315.6	4367.5	4063.3	3313.7	3328.5	3235.8	3632.8	4564.2	4467.7	3532.6
52.5°	3844.3	3888.8	4107.8	3974.2	3365.6	3421.3	3402.7	3799.8	4976.1	4857.4	3825.8
55°	2857.3	2961.2	3462.1	3640.2	3339.7	3425.0	3551.2	4104.1	5350.9	5206.2	4063.3
57.5°	2278.4	2296.9	2593.8	3083.6	3128.1	3406.5	3707.0	4289.6	5584.7	5439.9	4233.9
60°	1799.7	1829.4	2022.3	2415.7	2731.1	3295.1	3751.6	4478.9	5770.2	5647.7	4423.2
62.5°	1395.2	1391.5	1540.0	1803.4	2200.5	3061.4	3692.2	4593.9	6007.7	5914.9	4760.9
65°	972.2	972.2	1098.4	1309.9	1666.1	2642.0	3573.4	4757.2	6412.1	6386.2	5180.2
67.5°	664.2	679.1	764.4	868.3	1142.9	2148.5	3395.3	4924.1	7002.2	6879.7	5584.7
70°	486.1	486.1	519.5	575.2	712.5	1603.0	3076.2	4927.9	7432.6	7306.4	5796.2
72.5°	359.9	359.9	385.9	411.9	449.0	1065.0	2523.3	4616.2	7321.3	7120.9	5365.7
75°	189.2	189.2	293.1	304.3	300.6	690.2	1862.8	3792.4	6189.5	5855.5	4200.6
77.5°	148.4	152.1	167.0	237.5	218.9	452.7	1039.0	2334.1	4000.2	3592.0	2274.7
80°	107.6	103.9	129.9	152.1	129.9	263.5	489.8	1024.2	1417.5	1228.3	749.6
82.5°	63.1	66.8	77.9	111.3	111.3	185.5	319.1	449.0	508.4	504.7	449.0
85°	7.4	11.1	40.8	74.2	66.8	107.6	267.2	311.7	400.8	408.2	400.8
87.5°	7.4	7.4	11.1	14.8	18.6	70.5	226.4	270.9	371.1	397.0	400.8
90°	14.8	11.1	7.4	7.4	11.1	55.7	211.5	278.3	393.3	400.8	419.3
92.5°	18.6	14.8	7.4	3.7	11.1	44.5	200.4	278.3	408.2	434.2	452.7
95°	26.0	22.3	7.4	3.7	11.1	37.1	170.7	263.5	426.7	471.3	489.8
97.5°	33.4	29.7	7.4	7.4	11.1	29.7	133.6	207.8	282.0	319.1	345.1
100°	37.1	37.1	7.4	7.4	11.1	18.6	66.8	115.0	89.1	85.3	96.5
102.5°	40.8	40.8	7.4	7.4	7.4	11.1	22.3	48.2	18.6	18.6	29.7
105°	40.8	40.8	7.4	7.4	7.4	7.4	7.4	18.6	14.8	18.6	33.4
107.5°	37.1	40.8	7.4	11.1	11.1	7.4	7.4	7.4	14.8	22.3	33.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	26.0	18.6	3.7	11.1	7.4	7.4	3.7	7.4	18.6	26.0	37.1
115°	11.1	7.4	3.7	7.4	7.4	7.4	3.7	7.4	18.6	29.7	37.1
117.5°	7.4	3.7	3.7	3.7	3.7	7.4	3.7	11.1	26.0	33.4	44.5
120°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	11.1	33.4	37.1	52.0
122.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.4	33.4	37.1	52.0
125°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.4	26.0	33.4	44.5
127.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.4	18.6	26.0	37.1
130°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	18.6	22.3	29.7
132.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	11.1	14.8	22.3
135°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.4	7.4	14.8
137.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
140°	3.7	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
142.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
145°	3.7	3.7	3.7	3.7	7.4	3.7	3.7	3.7	3.7	3.7	3.7
147.5°	3.7	3.7	3.7	7.4	7.4	7.4	3.7	3.7	3.7	3.7	3.7
150°	7.4	11.1	18.6	14.8	7.4	3.7	7.4	3.7	3.7	3.7	3.7
152.5°	18.6	18.6	14.8	14.8	3.7	3.7	7.4	7.4	3.7	3.7	3.7
155°	14.8	14.8	11.1	3.7	3.7	3.7	3.7	7.4	11.1	14.8	11.1
157.5°	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7
160°	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7	3.7
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°	1057.6	1057.6	1057.6	1057.6	1057.6	1057.6	1057.6	1057.6	1057.6	1057.6	1057.6
2.5°	1061.3	1024.2	942.5	879.4	812.7	775.5	705.0	645.7	601.1	593.7	593.7
5°	1061.3	987.1	842.3	686.5	541.8	467.6	426.7	400.8	382.2	374.8	371.1
7.5°	949.9	853.5	660.5	478.7	415.6	348.8	300.6	263.5	230.1	218.9	207.8
10°	831.2	712.5	449.0	330.3	263.5	218.9	196.7	185.5	174.4	170.7	170.7
12.5°	738.4	616.0	359.9	270.9	185.5	155.9	148.4	141.0	137.3	133.6	129.9
15°	901.7	738.4	374.8	185.5	129.9	111.3	103.9	107.6	115.0	115.0	115.0
17.5°	834.9	649.4	311.7	141.0	107.6	81.6	89.1	96.5	103.9	92.8	89.1
20°	998.2	764.4	304.3	111.3	89.1	81.6	77.9	66.8	85.3	85.3	85.3
22.5°	723.6	578.9	230.1	103.9	74.2	70.5	59.4	66.8	70.5	59.4	59.4
25°	1072.4	753.3	226.4	81.6	74.2	55.7	59.4	48.2	59.4	59.4	59.4
27.5°	1328.4	890.6	200.4	85.3	63.1	55.7	44.5	48.2	44.5	44.5	44.5
30°	1580.8	1001.9	181.8	85.3	59.4	44.5	40.8	37.1	44.5	44.5	44.5
32.5°	1655.0	975.9	144.7	89.1	55.7	40.8	33.4	37.1	37.1	40.8	40.8
35°	1740.3	953.7	122.5	77.9	52.0	37.1	29.7	33.4	37.1	40.8	40.8
37.5°	1822.0	916.6	111.3	70.5	44.5	33.4	26.0	29.7	77.9	85.3	85.3
40°	1925.9	872.0	103.9	63.1	37.1	26.0	22.3	59.4	70.5	81.6	81.6
42.5°	2074.3	846.0	96.5	59.4	33.4	22.3	22.3	52.0	100.2	111.3	111.3
45°	2196.8	801.5	92.8	52.0	29.7	18.6	37.1	70.5	81.6	103.9	100.2
47.5°	2348.9	760.7	89.1	48.2	26.0	18.6	40.8	74.2	103.9	118.7	118.7
50°	2512.2	738.4	85.3	44.5	26.0	18.6	70.5	70.5	85.3	133.6	133.6
52.5°	2720.0	723.6	77.9	37.1	22.3	37.1	96.5	85.3	103.9	137.3	137.3
55°	2820.2	675.4	74.2	33.4	18.6	37.1	103.9	96.5	107.6	144.7	144.7
57.5°	2909.2	627.1	66.8	33.4	18.6	48.2	111.3	122.5	103.9	126.2	141.0
60°	2990.9	578.9	59.4	29.7	18.6	59.4	122.5	170.7	144.7	170.7	170.7
62.5°	3180.1	541.8	52.0	33.4	14.8	66.8	159.6	207.8	163.3	207.8	204.1
65°	3358.2	497.2	48.2	29.7	18.6	77.9	174.4	241.2	178.1	241.2	241.2
67.5°	3428.7	441.6	44.5	29.7	18.6	89.1	174.4	267.2	211.5	270.9	274.6
70°	3306.3	363.7	40.8	33.4	22.3	100.2	181.8	285.7	226.4	315.4	315.4
72.5°	2809.0	248.6	40.8	37.1	44.5	111.3	215.2	296.9	237.5	378.5	382.2
75°	2096.6	141.0	44.5	40.8	48.2	126.2	237.5	308.0	248.6	382.2	382.2
77.5°	1194.9	96.5	44.5	48.2	59.4	126.2	248.6	319.1	244.9	374.8	367.4
80°	415.6	70.5	44.5	55.7	74.2	126.2	252.3	315.4	237.5	348.8	348.8
82.5°	282.0	59.4	44.5	55.7	89.1	133.6	248.6	296.9	211.5	293.1	282.0
85°	263.5	48.2	48.2	59.4	96.5	133.6	226.4	256.0	178.1	218.9	215.2
87.5°	259.8	44.5	55.7	63.1	103.9	122.5	193.0	211.5	144.7	178.1	174.4
90°	270.9	44.5	59.4	66.8	96.5	100.2	155.9	178.1	118.7	141.0	137.3
92.5°	289.4	44.5	63.1	74.2	85.3	74.2	126.2	141.0	100.2	107.6	103.9
95°	308.0	44.5	70.5	77.9	70.5	55.7	96.5	115.0	81.6	77.9	77.9
97.5°	204.1	33.4	74.2	77.9	59.4	40.8	74.2	89.1	48.2	40.8	40.8
100°	66.8	26.0	77.9	81.6	55.7	29.7	63.1	66.8	37.1	18.6	18.6
102.5°	29.7	26.0	70.5	70.5	48.2	22.3	44.5	48.2	26.0	7.4	7.4
105°	26.0	14.8	40.8	52.0	33.4	11.1	22.3	26.0	14.8	7.4	7.4
107.5°	29.7	14.8	22.3	29.7	14.8	11.1	11.1	11.1	7.4	7.4	7.4



REPORT NUMBER: P561261

CATALOG NUMBER: SDL-PA1-90-740-U-T2R-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	33.4	14.8	11.1	14.8	11.1	11.1	7.4	7.4	14.8	26.0	26.0
115°	33.4	14.8	11.1	14.8	11.1	11.1	7.4	3.7	14.8	37.1	40.8
117.5°	37.1	18.6	7.4	11.1	7.4	7.4	7.4	3.7	18.6	48.2	48.2
120°	44.5	18.6	7.4	7.4	7.4	3.7	7.4	7.4	18.6	52.0	52.0
122.5°	44.5	22.3	7.4	7.4	7.4	3.7	3.7	7.4	22.3	48.2	52.0
125°	37.1	18.6	7.4	7.4	7.4	3.7	3.7	7.4	22.3	44.5	52.0
127.5°	29.7	18.6	7.4	7.4	7.4	3.7	3.7	7.4	22.3	37.1	40.8
130°	26.0	14.8	7.4	7.4	7.4	3.7	3.7	7.4	18.6	29.7	33.4
132.5°	18.6	11.1	7.4	7.4	7.4	3.7	3.7	3.7	18.6	29.7	29.7
135°	14.8	11.1	7.4	7.4	7.4	3.7	3.7	3.7	14.8	22.3	22.3
137.5°	7.4	3.7	7.4	7.4	7.4	3.7	3.7	3.7	11.1	11.1	11.1
140°	3.7	3.7	3.7	7.4	3.7	3.7	3.7	3.7	3.7	7.4	3.7
142.5°	3.7	3.7	3.7	7.4	3.7	3.7	3.7	3.7	3.7	3.7	3.7
145°	3.7	3.7	3.7	7.4	3.7	3.7	3.7	3.7	3.7	3.7	3.7
147.5°	3.7	3.7	3.7	7.4	3.7	3.7	3.7	3.7	3.7	3.7	3.7
150°	3.7	3.7	3.7	7.4	3.7	3.7	3.7	3.7	3.7	3.7	3.7
152.5°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7
155°	7.4	7.4	3.7	7.4	3.7	3.7	0.0	3.7	3.7	3.7	3.7
157.5°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7
160°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	3.7	3.7	3.7	3.7
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°		33.4	33.4	7.4	11.1	11.1	7.4	3.7	7.4	14.8	22.3	37.1
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110°	29.7	14.8	11.1	18.6	14.8	11.1	7.4	7.4	7.4	11.1	11.1
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(END OF REPORT)