

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: P561214

Luminaire Tested: **SDL-PA1-90-727-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561214
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-14)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-90-727-U-SL3-HSS
Description: Springdale
(1) 70 CRI, 2700K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7140.4 lumens
Efficiency: N/A
Efficacy: 77.3 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: B1 - U0 - 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

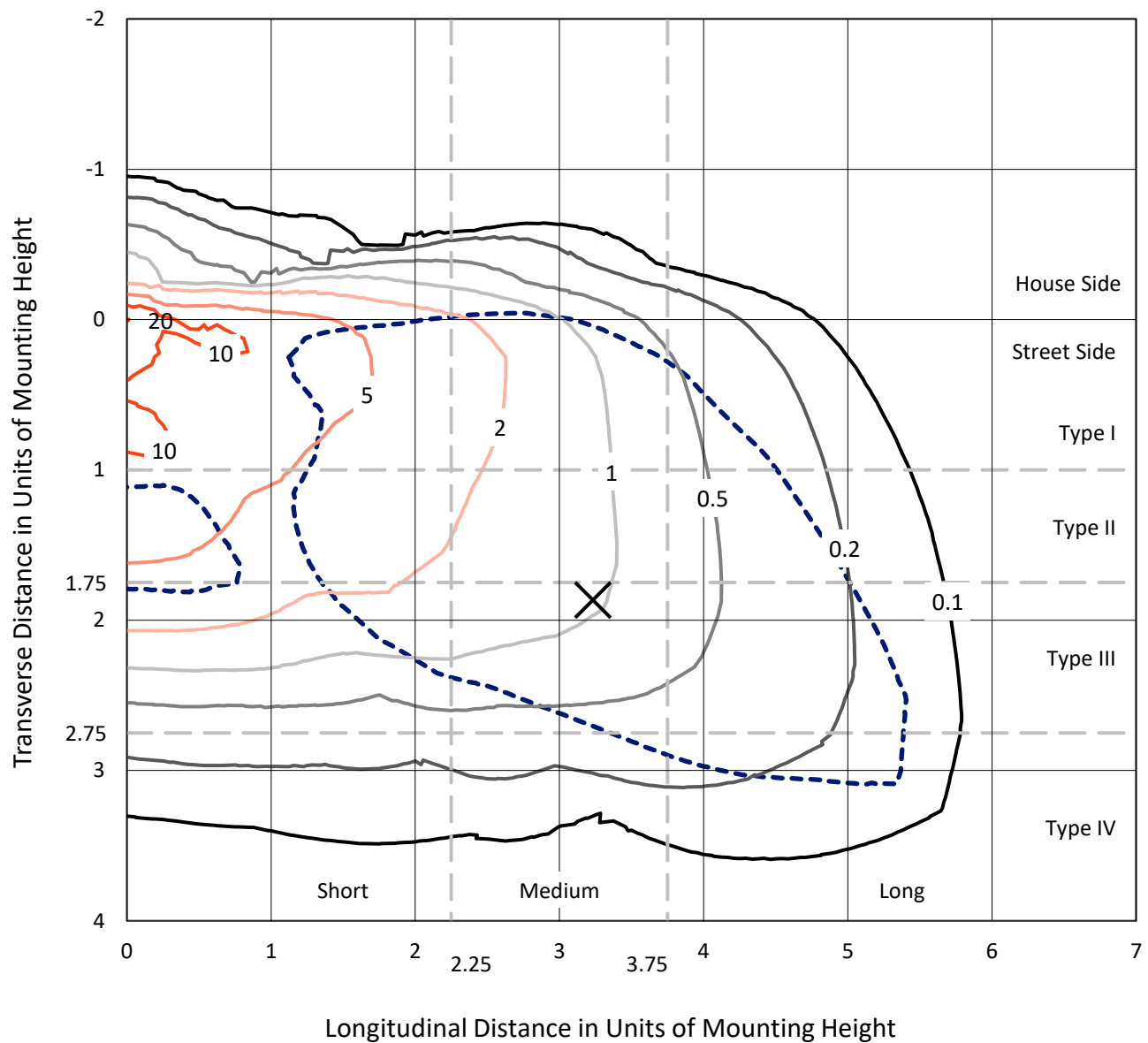


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

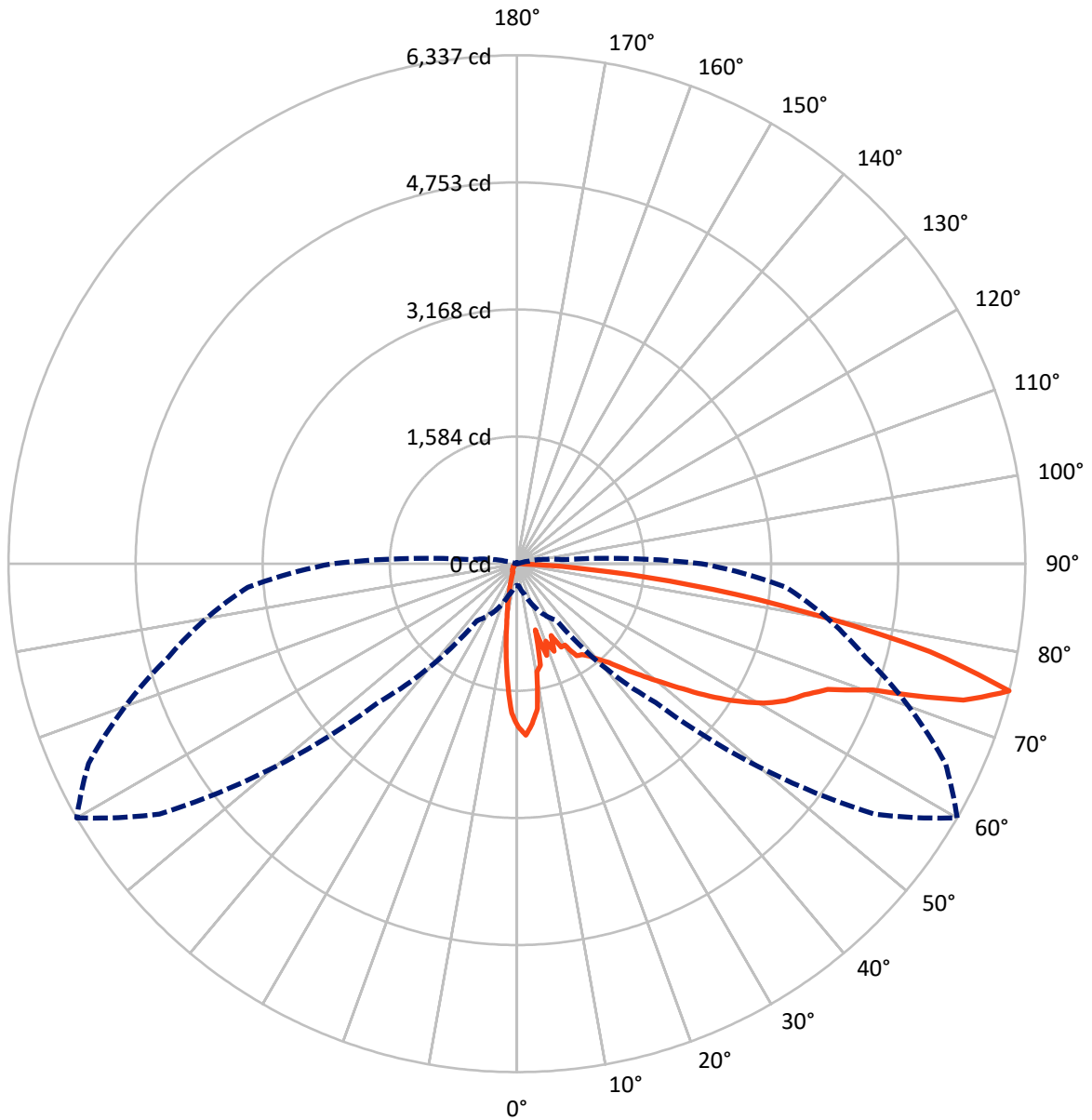


Based on 10 foot mounting height. Maximum calculated value = 20.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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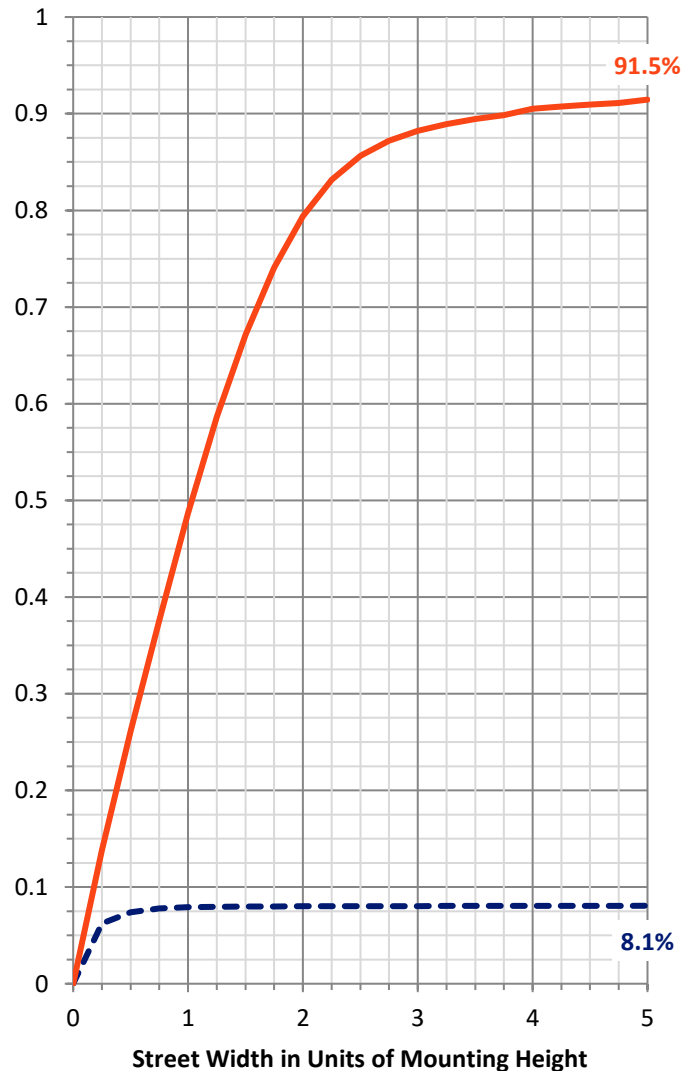
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	581.7	0.0	581.7
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	6558.7	0.0	6558.7
	% Fixture	91.9	0.0	91.9
Total	Lumens	7140.4	0.0	7140.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	140.8	2.0
10°-20°	233.6	3.3
20°-30°	334.7	4.7
30°-40°	595.9	8.3
40°-50°	980.9	13.7
50°-60°	1512.5	21.2
60°-70°	1762.7	24.7
70°-80°	1366.0	19.1
80°-90°	213.3	3.0
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°	7140.4	100.0
0°-180°	7140.4	100.0



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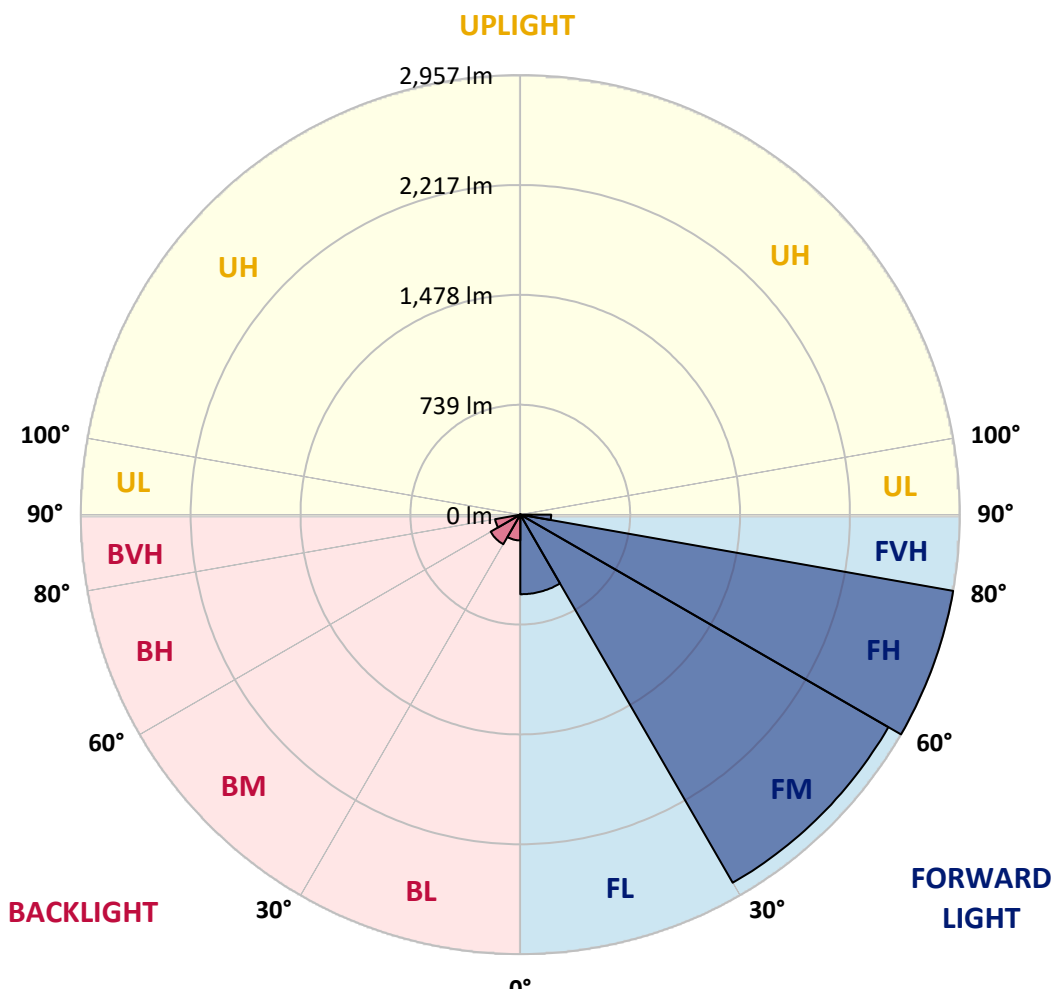
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	535.7	7.5			
FM	(30°-60°)	2859.0	40.0			
FH	(60°-80°)	2956.6	41.4			G2/5000
FVH	(80°-90°)	207.4	2.9			G2/225
BL	(0°-30°)	173.4	2.4	B1/500		
BM	(30°-60°)	230.3	3.2	B1/1000		
BH	(60°-80°)	172.1	2.4	B1/500		G1/500
BVH	(80°-90°)	5.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2034.7	2034.7	2034.7	2034.7	2034.7	2034.7	2034.7	2034.7	2034.7	2034.7	2034.7
2.5°	1901.4	1972.7	2016.1	2056.4	2109.2	2161.9	2165.0	2168.1	2168.1	2168.1	2165.0
5°	1836.2	1842.4	1842.4	1842.4	1851.7	1861.0	1867.2	1870.3	1873.4	1873.4	1870.3
7.5°	1436.1	1550.9	1622.2	1690.4	1709.0	1727.7	1752.5	1774.2	1792.8	1808.3	1820.7
10°	1591.2	1603.6	1603.6	1600.5	1616.0	1628.4	1507.4	1383.4	1433.0	1482.6	1420.6
12.5°	1228.3	1290.3	1367.9	1442.3	1491.9	1541.6	1485.7	1429.9	1343.0	1253.1	1246.9
15°	1436.1	1445.4	1448.5	1451.6	1367.9	1281.0	1178.7	1073.2	1144.5	1215.9	1113.5
17.5°	1104.2	1113.5	1200.4	1287.2	1296.5	1305.8	1240.7	1172.4	1023.6	874.7	1014.3
20°	1321.3	1327.5	1327.5	1327.5	1163.1	998.8	1011.2	1020.5	1067.0	1113.5	1079.4
22.5°	1063.9	1051.5	1057.7	1060.8	1110.4	1156.9	1060.8	961.5	1032.9	1101.1	1042.2
25°	1330.6	1333.7	1315.1	1293.4	1147.6	998.8	1051.5	1101.1	1017.4	930.5	1014.3
27.5°	1203.5	1191.1	1147.6	1104.2	1125.9	1147.6	1048.4	946.0	1026.7	1104.2	1067.0
30°	1585.0	1578.8	1522.9	1464.0	1290.3	1113.5	1094.9	1073.2	1026.7	977.0	1042.2
32.5°	2115.4	2040.9	1833.1	1622.2	1513.6	1402.0	1265.5	1129.0	1144.5	1156.9	1166.2
35°	2233.2	2199.1	2109.2	2019.2	1851.7	1681.1	1495.0	1305.8	1262.4	1219.0	1243.8
37.5°	2264.3	2251.8	2239.4	2223.9	2025.4	1826.9	1640.8	1451.6	1417.5	1380.3	1352.3
40°	2295.3	2307.7	2344.9	2379.0	2192.9	2006.8	1833.1	1656.3	1616.0	1575.7	1504.3
42.5°	2419.3	2428.6	2484.5	2540.3	2360.4	2177.4	2025.4	1873.4	1814.5	1755.6	1690.4
45°	2683.0	2692.3	2723.3	2754.3	2586.8	2416.2	2248.7	2078.2	2031.6	1982.0	1907.6
47.5°	3049.0	3058.3	3042.8	3027.3	2835.0	2639.6	2441.1	2242.5	2227.0	2211.5	2134.0
50°	3467.7	3455.3	3371.6	3287.8	3076.9	2866.0	2633.4	2397.6	2410.0	2422.4	2366.6
52.5°	3660.0	3653.8	3557.7	3461.5	3244.4	3024.2	2782.2	2537.2	2580.6	2621.0	2589.9
55°	3647.6	3644.5	3579.4	3514.2	3309.5	3104.8	2878.4	2652.0	2751.2	2847.4	2828.8
57.5°	3511.1	3517.3	3508.0	3498.7	3318.8	3138.9	2955.9	2772.9	2921.8	3067.6	3092.4
60°	3297.1	3297.1	3343.7	3387.1	3281.6	3173.1	3021.1	2866.0	3070.7	3275.4	3337.4
62.5°	2850.5	2900.1	2999.4	3098.6	3132.7	3166.9	3042.8	2918.7	3201.0	3483.2	3573.2
65°	2196.0	2217.7	2397.6	2577.5	2745.0	2909.4	2918.7	2928.0	3359.2	3787.2	3818.2
67.5°	1274.8	1364.8	1563.3	1758.7	2087.5	2413.1	2580.6	2748.1	3427.4	4103.6	4137.7
70°	670.0	707.2	803.3	896.4	1191.1	1482.6	1898.3	2310.8	3269.2	4224.5	4522.3
72.5°	459.1	493.2	545.9	598.6	710.3	818.9	1116.6	1411.3	2602.3	3793.4	4717.7
75°	269.8	279.2	344.3	409.4	530.4	651.4	759.9	865.4	1656.3	2444.2	3942.3
77.5°	108.6	117.9	145.8	173.7	344.3	511.8	623.4	735.1	924.3	1113.5	2707.8
80°	58.9	58.9	71.3	80.6	155.1	226.4	418.7	611.0	704.1	797.1	1755.6
82.5°	34.1	34.1	43.4	49.6	77.5	105.5	238.8	372.2	549.0	722.7	1184.9
85°	12.4	12.4	15.5	18.6	37.2	52.7	86.8	117.9	341.2	561.4	682.4
87.5°	3.1	3.1	6.2	6.2	9.3	12.4	15.5	15.5	12.4	9.3	62.0
90°	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	2034.7	2034.7	2034.7	2034.7	2034.7	2034.7	2034.7	2034.7	2034.7	2034.7	2034.7
2.5°	2158.8	2140.2	2127.8	2106.1	2084.4	2065.7	2044.0	2016.1	1994.4	1966.5	1938.6
5°	1867.2	1997.5	2130.9	2118.5	2103.0	2059.5	2016.1	1966.5	1920.0	1864.1	1808.3
7.5°	1830.0	1826.9	1699.7	1764.9	1826.9	1777.3	1727.7	1671.8	1609.8	1501.2	1392.7
10°	1358.6	1367.9	1364.8	1380.3	1395.8	1436.1	1473.3	1392.7	1315.1	1144.5	970.8
12.5°	1240.7	1299.6	1315.1	1209.7	1104.2	1147.6	1191.1	1110.4	1032.9	874.7	716.5
15°	1008.1	856.1	1073.2	1215.9	1355.5	1377.2	1395.8	1290.3	1166.2	949.1	728.9
17.5°	1150.7	1203.5	1141.4	1144.5	1144.5	1147.6	1150.7	1054.6	930.5	766.1	601.7
20°	1045.3	1029.8	1036.0	1138.3	1240.7	1308.9	1374.1	1228.3	1070.1	815.8	558.3
22.5°	983.2	1184.9	1271.7	1228.3	1184.9	1076.3	964.6	853.0	722.7	595.5	465.3
25°	1094.9	989.4	1057.7	1225.2	1392.7	1392.7	1392.7	1200.4	986.3	713.4	440.4
27.5°	1029.8	1175.6	1243.8	1377.2	1507.4	1563.3	1616.0	1371.0	1088.7	750.6	409.4
30°	1107.3	1175.6	1417.5	1684.2	1951.0	1904.5	1854.8	1541.6	1184.9	787.8	390.8
32.5°	1175.6	1367.9	1581.9	1783.5	1985.1	1932.4	1876.5	1529.1	1129.0	710.3	291.6
35°	1268.6	1392.7	1591.2	1836.2	2081.3	2000.6	1916.9	1535.4	1085.6	651.4	217.1
37.5°	1324.4	1460.9	1674.9	1932.4	2186.7	2087.5	1988.2	1563.3	1048.4	607.9	167.5
40°	1429.9	1566.4	1780.4	2050.2	2320.1	2205.3	2087.5	1612.9	1026.7	583.1	139.6
42.5°	1625.3	1687.3	1926.2	2211.5	2496.9	2375.9	2251.8	1718.4	1020.5	570.7	121.0
45°	1830.0	1870.3	2081.3	2400.7	2717.1	2593.0	2465.9	1848.6	1042.2	580.0	114.8
47.5°	2053.3	2075.0	2267.4	2664.4	3061.4	2890.8	2720.2	2028.5	1088.7	598.6	108.6
50°	2310.8	2310.8	2496.9	2924.9	3353.0	3176.2	2999.4	2239.4	1147.6	626.5	105.5
52.5°	2555.8	2589.9	2732.6	3170.0	3607.3	3442.9	3275.4	2472.1	1225.2	663.8	99.3
55°	2807.1	2915.6	2968.3	3415.0	3861.6	3672.4	3483.2	2642.7	1271.7	682.4	93.1
57.5°	3117.2	3232.0	3259.9	3638.3	4016.7	3833.7	3647.6	2788.4	1305.8	697.9	89.9
60°	3399.5	3529.8	3585.6	3864.7	4140.8	3951.6	3762.4	2915.6	1336.8	710.3	80.6
62.5°	3660.0	3759.3	3846.1	4026.0	4205.9	4029.1	3849.2	3027.3	1355.5	713.4	71.3
65°	3849.2	3939.2	4063.3	4165.6	4268.0	4134.6	4001.2	3219.6	1408.2	732.0	52.7
67.5°	4168.7	4178.0	4249.4	4333.1	4416.8	4345.5	4274.2	3486.3	1470.2	756.8	40.3
70°	4817.0	4711.5	4618.5	4702.2	4782.8	4683.6	4584.3	3563.9	1327.5	679.3	31.0
72.5°	5642.0	5818.8	5369.1	5195.4	5018.6	4652.6	4283.5	3067.6	942.9	483.9	24.8
75°	5440.4	6336.8	5893.3	5195.4	4497.5	3933.0	3365.4	2301.5	580.0	300.9	18.6
77.5°	4299.0	5260.5	5102.3	4382.7	3660.0	2965.2	2270.5	1414.4	204.7	111.7	18.6
80°	2714.0	3638.3	3501.8	2847.4	2189.8	1557.1	924.3	431.1	77.5	49.6	21.7
82.5°	1647.0	2168.1	1702.8	1067.0	431.1	304.0	176.8	93.1	24.8	21.7	18.6
85°	800.2	896.4	586.2	338.1	86.8	80.6	71.3	46.5	12.4	12.4	9.3
87.5°	111.7	80.6	49.6	34.1	15.5	15.5	15.5	9.3	9.3	9.3	6.2
90°	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	2034.7	2034.7	2034.7	2034.7	2034.7	2034.7	2034.7	2034.7	2034.7	2034.7	2034.7
2.5°	1916.9	1892.0	1864.1	1836.2	1805.2	1774.2	1684.2	1591.2	1541.6	1488.8	1476.4
5°	1705.9	1603.6	1476.4	1346.1	1290.3	1234.5	1206.6	1175.6	1156.9	1135.2	1116.6
7.5°	1250.0	1104.2	1104.2	1101.1	1054.6	1008.1	955.3	899.5	865.4	831.3	741.3
10°	893.3	812.7	756.8	701.0	679.3	657.6	589.3	518.0	524.2	527.3	508.7
12.5°	691.7	663.8	561.4	459.1	424.9	390.8	369.1	347.4	316.4	285.4	263.6
15°	592.4	456.0	378.4	300.9	266.7	229.5	198.5	164.4	155.1	142.7	158.2
17.5°	487.0	369.1	294.7	220.2	170.6	121.0	127.2	133.4	145.8	158.2	164.4
20°	418.7	279.2	214.0	148.9	133.4	117.9	124.1	127.2	124.1	117.9	136.5
22.5°	341.2	217.1	164.4	108.6	111.7	114.8	105.5	96.2	114.8	133.4	133.4
25°	291.6	142.7	127.2	111.7	102.4	93.1	105.5	114.8	108.6	102.4	117.9
27.5°	266.7	124.1	108.6	93.1	96.2	99.3	96.2	89.9	99.3	108.6	105.5
30°	254.3	114.8	105.5	93.1	89.9	83.7	86.8	86.8	83.7	80.6	89.9
32.5°	204.7	117.9	102.4	83.7	80.6	74.4	71.3	68.2	71.3	74.4	77.5
35°	164.4	108.6	96.2	80.6	74.4	68.2	65.1	58.9	58.9	58.9	62.0
37.5°	133.4	99.3	86.8	71.3	65.1	58.9	55.8	49.6	49.6	49.6	49.6
40°	117.9	93.1	80.6	65.1	58.9	49.6	46.5	40.3	40.3	37.2	37.2
42.5°	102.4	83.7	71.3	55.8	49.6	43.4	37.2	31.0	31.0	27.9	27.9
45°	96.2	77.5	65.1	52.7	43.4	34.1	31.0	24.8	24.8	21.7	21.7
47.5°	93.1	74.4	62.0	46.5	37.2	27.9	24.8	18.6	18.6	18.6	18.6
50°	86.8	68.2	55.8	40.3	34.1	24.8	21.7	15.5	15.5	15.5	15.5
52.5°	83.7	65.1	49.6	34.1	27.9	18.6	15.5	12.4	12.4	12.4	12.4
55°	80.6	68.2	49.6	31.0	24.8	15.5	12.4	9.3	9.3	9.3	9.3
57.5°	77.5	65.1	46.5	24.8	18.6	12.4	9.3	6.2	6.2	6.2	6.2
60°	68.2	55.8	37.2	18.6	15.5	9.3	6.2	3.1	6.2	6.2	6.2
62.5°	58.9	43.4	31.0	15.5	12.4	6.2	6.2	3.1	6.2	6.2	6.2
65°	43.4	34.1	24.8	12.4	9.3	3.1	3.1	3.1	6.2	6.2	6.2
67.5°	34.1	24.8	18.6	9.3	6.2	3.1	3.1	3.1	6.2	6.2	6.2
70°	24.8	18.6	12.4	6.2	6.2	3.1	3.1	3.1	6.2	6.2	6.2
72.5°	18.6	12.4	9.3	6.2	6.2	3.1	6.2	6.2	6.2	6.2	6.2
75°	15.5	12.4	9.3	6.2	6.2	3.1	6.2	6.2	9.3	9.3	9.3
77.5°	15.5	9.3	9.3	6.2	6.2	3.1	6.2	9.3	9.3	9.3	9.3
80°	15.5	9.3	9.3	6.2	6.2	3.1	6.2	9.3	9.3	9.3	9.3
82.5°	15.5	9.3	9.3	6.2	6.2	3.1	6.2	9.3	9.3	9.3	9.3
85°	9.3	9.3	9.3	9.3	6.2	3.1	9.3	12.4	12.4	9.3	9.3
87.5°	6.2	6.2	9.3	9.3	6.2	3.1	9.3	12.4	12.4	9.3	9.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P561214

CATALOG NUMBER: SDL-PA1-90-727-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	2034.7	2034.7	2034.7	2034.7
2.5°	1460.9	1445.4	1426.8	1464.0
5°	1098.0	1085.6	1073.2	1094.9
7.5°	651.4	654.5	654.5	620.3
10°	487.0	459.1	428.0	428.0
12.5°	241.9	223.3	204.7	201.6
15°	173.7	176.8	179.9	179.9
17.5°	170.6	164.4	155.1	148.9
20°	152.0	158.2	161.3	161.3
22.5°	133.4	130.3	124.1	124.1
25°	133.4	136.5	139.6	139.6
27.5°	102.4	102.4	99.3	99.3
30°	99.3	99.3	99.3	99.3
32.5°	77.5	80.6	80.6	80.6
35°	65.1	65.1	65.1	65.1
37.5°	49.6	49.6	49.6	46.5
40°	37.2	37.2	37.2	37.2
42.5°	27.9	27.9	27.9	27.9
45°	21.7	21.7	21.7	21.7
47.5°	18.6	18.6	15.5	15.5
50°	12.4	12.4	12.4	12.4
52.5°	9.3	9.3	9.3	9.3
55°	6.2	6.2	6.2	6.2
57.5°	6.2	6.2	6.2	6.2
60°	3.1	3.1	3.1	3.1
62.5°	3.1	3.1	3.1	3.1
65°	3.1	3.1	3.1	3.1
67.5°	3.1	3.1	3.1	3.1
70°	3.1	3.1	3.1	3.1
72.5°	6.2	6.2	3.1	3.1
75°	6.2	6.2	3.1	3.1
77.5°	6.2	6.2	3.1	3.1
80°	6.2	6.2	3.1	3.1
82.5°	6.2	6.2	3.1	3.1
85°	6.2	6.2	6.2	3.1
87.5°	6.2	6.2	6.2	3.1
90°	0.0	0.0	0.0	0.0



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