

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: P560907

Luminaire Tested: **SDL-PA1-70-740-U-SL3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560907
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-16)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-740-U-SL3
Description: Springdale
(1) 70 CRI, 4000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8454.1 lumens
Efficiency: N/A
Efficacy: 117.1 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G3

Input Watts (W): 72.2
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

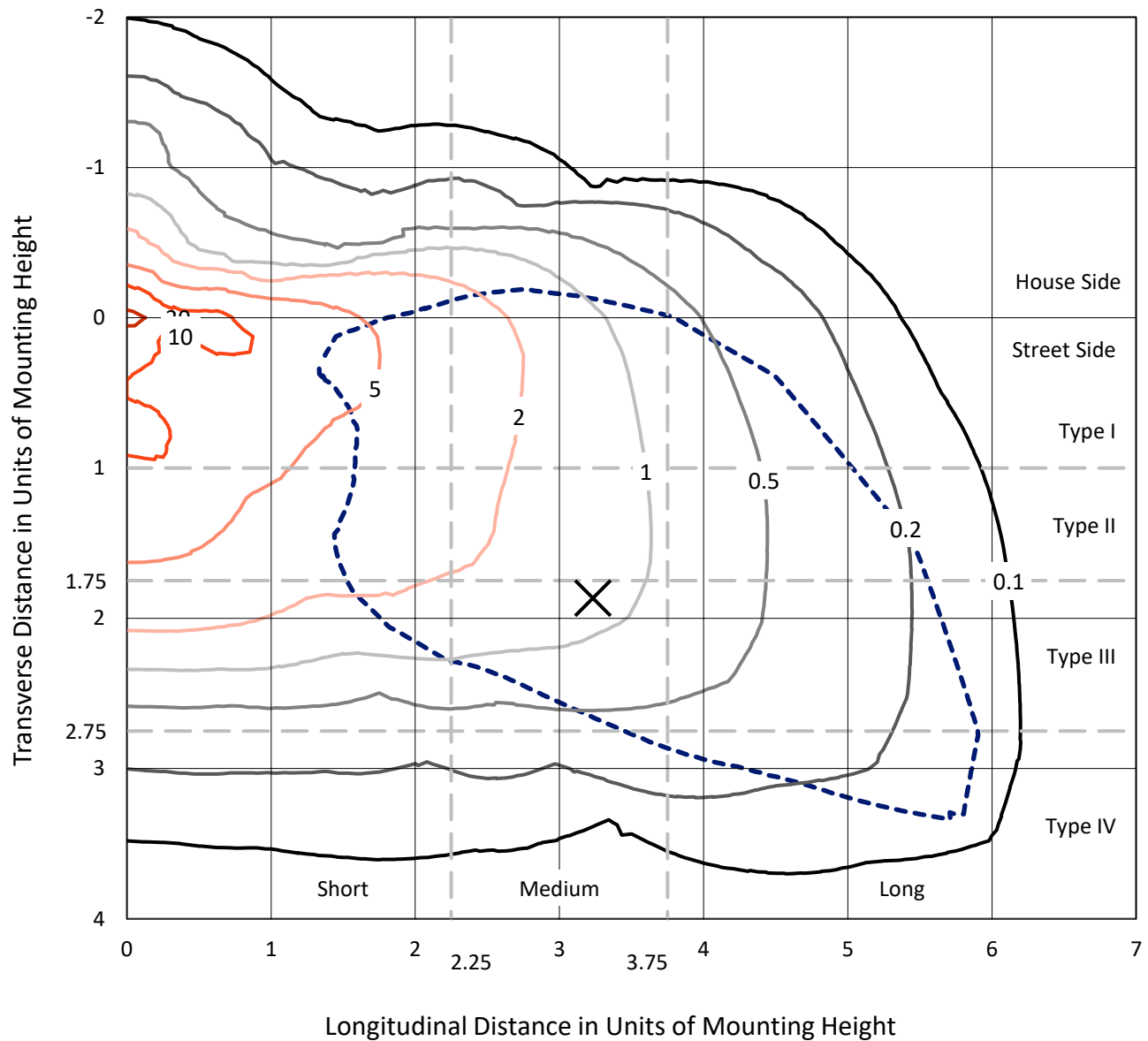


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

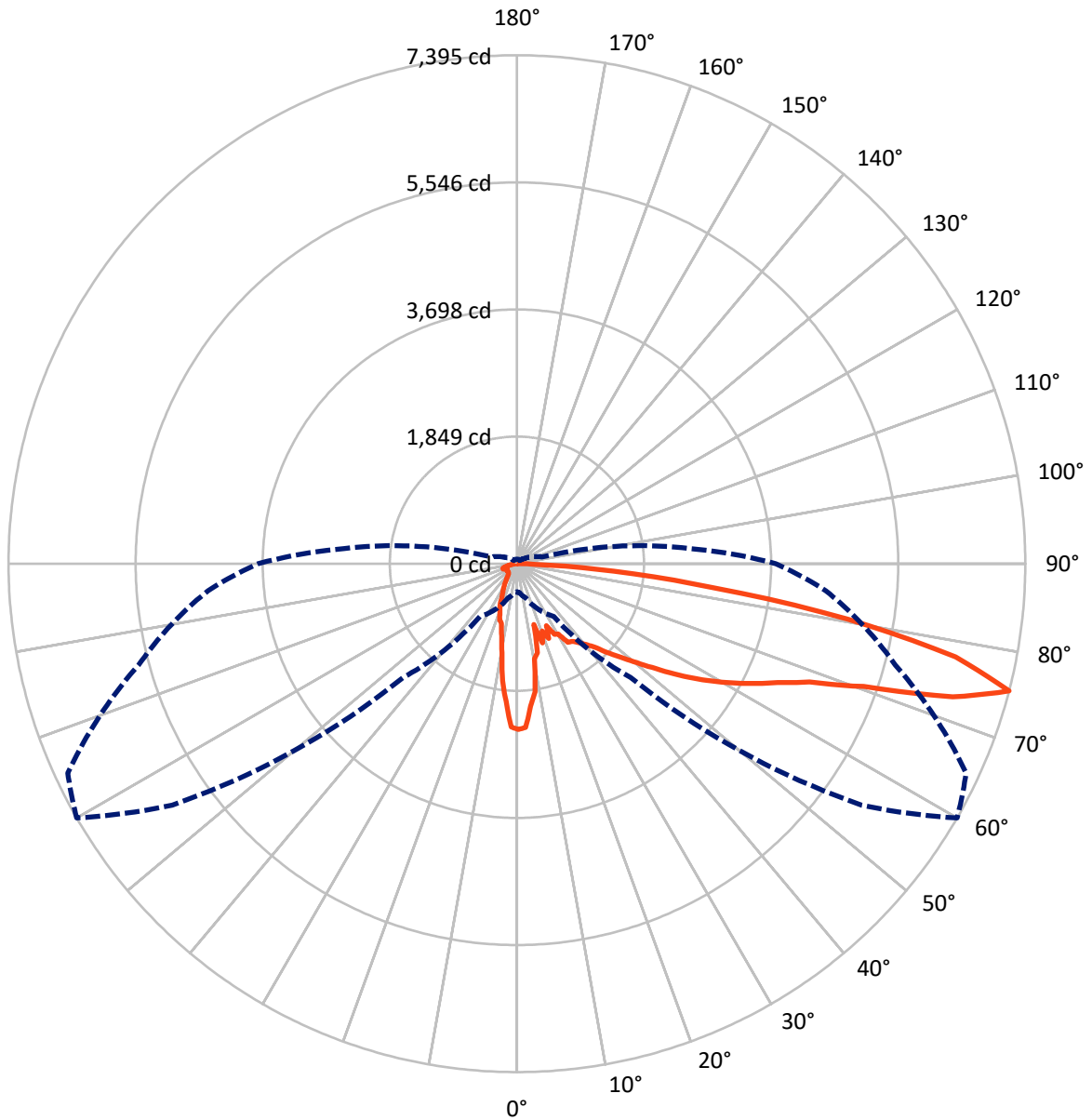


Based on 10 foot mounting height. Maximum calculated value = 24.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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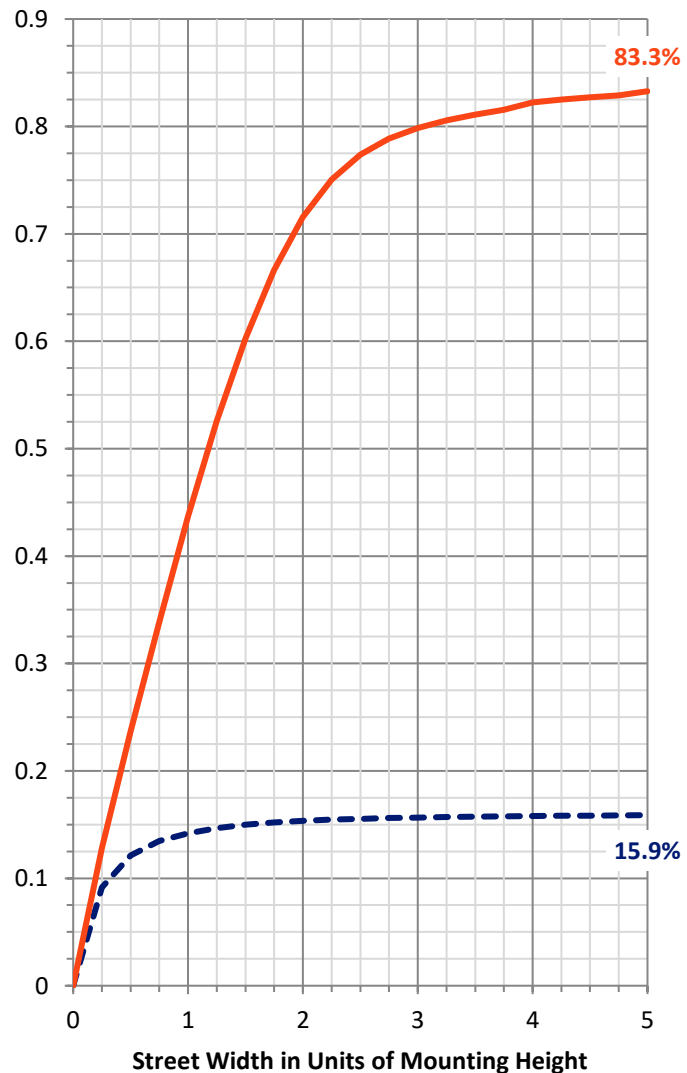
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1358.9	0.0	1358.9
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	7095.2	0.0	7095.2
	% Fixture	83.9	0.0	83.9
Total	Lumens	8454.1	0.0	8454.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.9	2.1
10°-20°	317.4	3.8
20°-30°	415.8	4.9
30°-40°	686.1	8.1
40°-50°	1071.4	12.7
50°-60°	1631.1	19.3
60°-70°	2021.0	23.9
70°-80°	1785.4	21.1
80°-90°	350.0	4.1
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°	8454.1	100.0
0°-180°	8454.1	100.0



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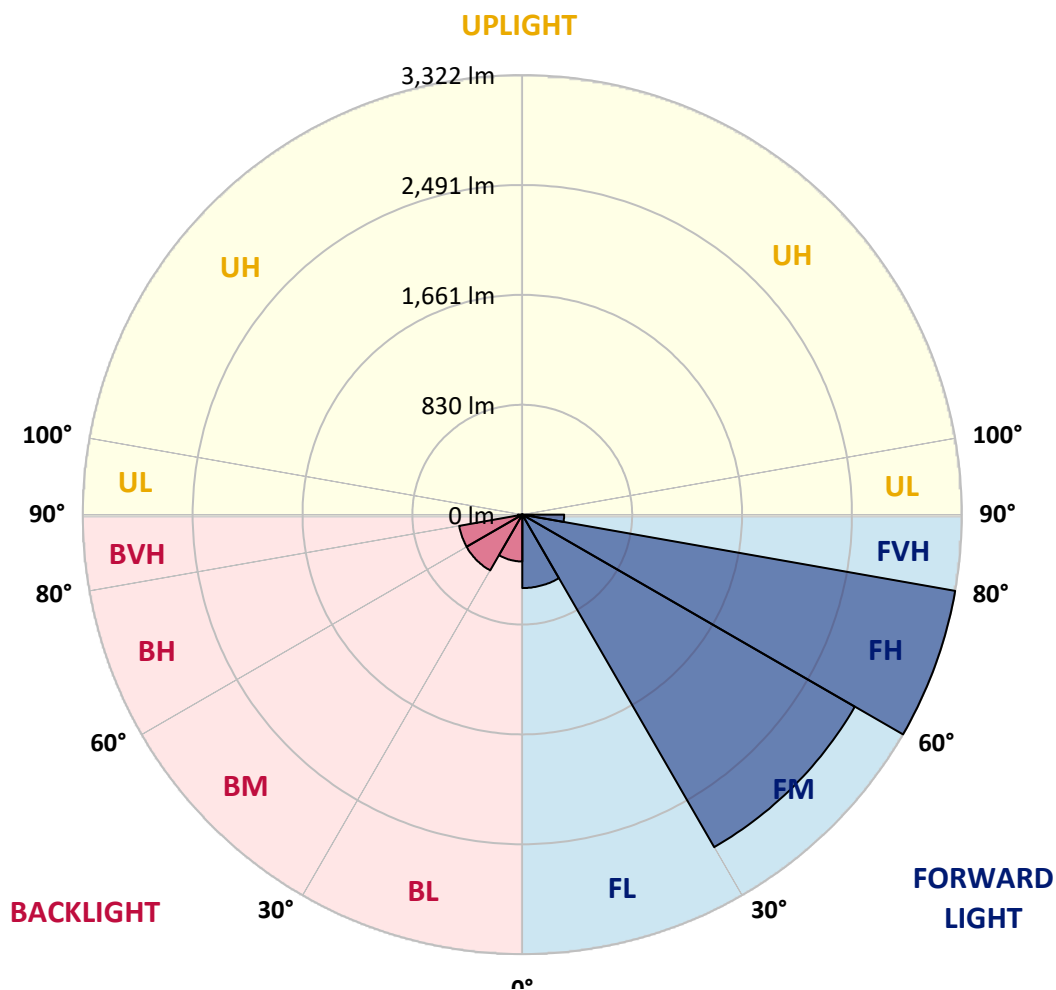
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	555.0	6.6			
FM	(30°-60°)	2901.7	34.3			
FH	(60°-80°)	3321.8	39.3			G2/5000
FVH	(80°-90°)	316.6	3.7			G3/500
BL	(0°-30°)	354.0	4.2	B1/500		
BM	(30°-60°)	486.9	5.8	B1/1000		
BH	(60°-80°)	484.6	5.7	B1/500		G1/500
BVH	(80°-90°)	33.4	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	2411.4	2411.4	2411.4	2411.4	2411.4	2411.4	2411.4	2411.4	2411.4	2411.4	2411.4
2.5°	2002.8	2228.8	2176.2	2123.5	2204.0	2281.4	2306.2	2327.9	2340.2	2352.6	2365.0
5°	1860.4	1863.5	1866.6	1869.7	1879.0	1885.2	1897.6	1910.0	1922.3	1931.6	1944.0
7.5°	1436.3	1485.9	1566.4	1646.8	1696.4	1742.8	1770.7	1795.4	1814.0	1832.6	1851.1
10°	1597.3	1606.6	1609.7	1609.7	1625.2	1640.6	1523.0	1402.3	1461.1	1519.9	1454.9
12.5°	1253.7	1287.8	1389.9	1489.0	1519.9	1547.8	1492.1	1436.3	1349.7	1259.9	1253.7
15°	1439.4	1448.7	1451.8	1451.8	1355.9	1259.9	1194.9	1126.8	1179.4	1228.9	1114.4
17.5°	1114.4	1123.7	1204.2	1284.7	1300.1	1315.6	1247.5	1179.4	1027.7	872.9	1018.4
20°	1324.9	1331.1	1331.1	1331.1	1170.1	1009.2	1021.5	1030.8	1080.3	1129.9	1089.6
22.5°	1068.0	1068.0	1068.0	1068.0	1117.5	1163.9	1064.9	965.8	1021.5	1077.3	1027.7
25°	1343.5	1352.8	1331.1	1306.3	1157.7	1009.2	1055.6	1102.0	1018.4	934.9	1009.2
27.5°	1225.8	1216.6	1173.2	1126.8	1148.5	1170.1	1068.0	965.8	1030.8	1095.8	1064.9
30°	1628.3	1600.4	1554.0	1507.5	1331.1	1154.6	1126.8	1098.9	1043.2	984.4	1049.4
32.5°	2163.8	2092.6	1875.9	1659.2	1550.9	1442.5	1303.2	1163.9	1151.5	1136.1	1154.6
35°	2306.2	2259.8	2170.0	2077.1	1891.4	1702.6	1526.1	1346.6	1287.8	1225.8	1238.2
37.5°	2334.0	2318.6	2300.0	2278.3	2089.5	1900.7	1708.7	1516.8	1454.9	1389.9	1343.5
40°	2355.7	2368.1	2402.1	2433.1	2244.3	2052.4	1879.0	1702.6	1637.5	1569.4	1489.0
42.5°	2454.8	2488.8	2532.2	2572.4	2399.1	2225.7	2074.0	1922.3	1838.8	1755.2	1680.9
45°	2683.8	2702.4	2748.9	2792.2	2628.1	2461.0	2287.6	2111.2	2040.0	1968.8	1894.5
47.5°	3018.2	3049.1	3046.0	3042.9	2860.3	2674.6	2479.5	2281.4	2235.0	2185.5	2114.3
50°	3439.2	3417.5	3358.7	3299.9	3101.7	2900.5	2671.5	2439.3	2417.6	2392.9	2334.0
52.5°	3649.7	3634.2	3553.7	3470.1	3268.9	3067.7	2820.0	2569.3	2597.2	2625.0	2569.3
55°	3662.0	3652.8	3593.9	3535.1	3340.1	3145.1	2925.3	2705.5	2773.6	2841.7	2820.0
57.5°	3572.3	3575.4	3556.8	3535.1	3361.8	3188.4	3005.8	2823.1	2940.8	3055.3	3077.0
60°	3343.2	3389.6	3420.6	3451.5	3343.2	3234.9	3077.0	2919.1	3098.6	3278.2	3337.0
62.5°	2919.1	2959.3	3070.8	3179.1	3200.8	3219.4	3114.1	3005.8	3247.2	3485.6	3581.6
65°	2262.8	2318.6	2485.7	2652.9	2826.2	2999.6	3024.4	3049.1	3457.7	3866.3	3946.8
67.5°	1411.6	1442.5	1619.0	1792.3	2142.1	2488.8	2686.9	2885.1	3590.8	4293.5	4420.5
70°	746.0	792.5	879.1	962.7	1263.0	1563.3	1965.7	2368.1	3389.6	4411.2	4931.2
72.5°	566.5	585.1	631.5	677.9	783.2	888.4	1142.3	1396.1	2652.9	3906.6	5104.6
75°	408.6	424.1	473.6	520.1	625.3	727.5	832.7	934.9	1637.5	2340.2	4231.6
77.5°	238.4	244.5	269.3	291.0	455.0	619.1	733.6	845.1	1015.3	1182.5	3021.3
80°	164.1	167.2	176.4	185.7	256.9	328.1	547.9	767.7	845.1	919.4	2002.8
82.5°	108.3	123.8	130.0	136.2	161.0	185.7	321.9	455.0	668.6	879.1	1368.2
85°	55.7	61.9	74.3	83.6	96.0	105.2	145.5	182.6	554.1	922.5	984.4
87.5°	6.2	9.3	12.4	12.4	15.5	18.6	27.9	37.1	167.2	297.2	253.8
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°	2411.4	2411.4	2411.4	2411.4	2411.4	2411.4	2411.4	2411.4	2411.4	2411.4	2411.4
2.5°	2377.4	2383.6	2380.5	2386.7	2389.8	2392.9	2396.0	2396.0	2392.9	2386.7	2380.5
5°	1956.4	2080.2	2290.7	2312.4	2334.0	2340.2	2346.4	2349.5	2343.3	2334.0	2324.8
7.5°	1866.6	1885.2	1696.4	1848.0	1996.6	2009.0	2018.3	2012.1	2015.2	1931.6	1845.0
10°	1389.9	1405.4	1411.6	1458.0	1501.3	1603.5	1705.7	1690.2	1677.8	1529.2	1377.5
12.5°	1247.5	1328.0	1346.6	1269.2	1191.8	1297.0	1402.3	1389.9	1368.2	1232.0	1095.8
15°	999.9	916.3	1095.8	1263.0	1427.1	1526.1	1622.1	1594.2	1569.4	1396.1	1219.6
17.5°	1160.8	1210.4	1151.5	1176.3	1201.1	1275.4	1346.6	1303.2	1287.8	1167.0	1043.2
20°	1049.4	1046.3	1006.1	1151.5	1297.0	1442.5	1584.9	1541.6	1467.3	1232.0	993.7
22.5°	978.2	1179.4	1266.1	1247.5	1225.8	1170.1	1111.3	1074.2	1018.4	965.8	910.1
25°	1080.3	996.8	1064.9	1287.8	1507.5	1547.8	1588.0	1495.2	1374.4	1136.1	897.7
27.5°	1033.9	1163.9	1250.6	1399.2	1544.7	1684.0	1823.3	1699.5	1541.6	1244.4	944.1
30°	1114.4	1185.6	1427.1	1705.7	1984.2	2033.8	2080.2	1910.0	1699.5	1399.2	1098.9
32.5°	1173.2	1362.0	1575.6	1792.3	2005.9	2043.1	2080.2	1888.3	1646.8	1315.6	984.4
35°	1247.5	1386.8	1581.8	1835.7	2089.5	2098.8	2105.0	1882.1	1609.7	1235.1	857.5
37.5°	1297.0	1454.9	1665.4	1934.7	2204.0	2185.5	2163.8	1910.0	1597.3	1179.4	761.5
40°	1408.5	1544.7	1770.7	2046.2	2321.7	2290.7	2259.8	1968.8	1600.4	1123.7	643.9
42.5°	1603.5	1656.1	1900.7	2194.7	2488.8	2454.8	2417.6	2070.9	1637.5	1092.7	544.8
45°	1817.1	1841.9	2052.4	2386.7	2721.0	2677.7	2634.3	2228.8	1705.7	1077.3	448.9
47.5°	2040.0	2033.8	2228.8	2634.3	3036.7	2943.9	2851.0	2414.5	1832.6	1108.2	383.8
50°	2272.1	2262.8	2451.7	2888.2	3324.6	3225.6	3126.5	2637.4	1978.1	1163.9	346.7
52.5°	2510.5	2532.2	2671.5	3126.5	3578.5	3488.7	3395.8	2878.9	2120.5	1225.8	331.2
55°	2795.3	2863.4	2919.1	3374.2	3829.2	3739.4	3646.6	3126.5	2318.6	1321.8	325.0
57.5°	3095.6	3185.3	3210.1	3624.9	4039.7	3980.9	3919.0	3361.8	2519.8	1433.2	343.6
60°	3395.8	3513.5	3603.2	3937.5	4268.8	4200.7	4132.6	3600.1	2708.6	1557.1	405.5
62.5°	3674.4	3838.5	3984.0	4228.5	4470.0	4389.5	4309.0	3807.5	2922.2	1727.3	529.3
65°	4024.2	4169.7	4327.6	4488.6	4646.4	4569.0	4491.6	4067.6	3207.0	1940.9	671.7
67.5°	4547.4	4590.7	4671.2	4770.2	4866.2	4819.8	4770.2	4386.4	3454.6	2064.7	671.7
70°	5448.2	5352.2	5231.5	5228.4	5222.2	5147.9	5070.5	4565.9	3470.1	2015.2	560.3
72.5°	6299.5	6627.6	6243.7	5965.1	5686.5	5358.4	5027.2	4324.5	3064.6	1755.2	445.8
75°	6119.9	7395.3	7209.5	6454.2	5698.9	5104.6	4510.2	3767.3	2522.9	1451.8	380.8
77.5°	4856.9	6525.4	6701.9	6008.5	5312.0	4507.1	3699.2	2912.9	1749.0	1033.9	318.8
80°	3083.2	4878.6	4909.5	4265.7	3618.7	2755.0	1891.4	1269.2	842.0	547.9	253.8
82.5°	1857.3	2888.2	2513.6	1801.6	1089.6	755.3	417.9	402.4	309.6	229.1	148.6
85°	1046.3	1414.7	1015.3	665.5	315.7	226.0	133.1	142.4	136.2	111.4	83.6
87.5°	207.4	244.5	167.2	96.0	24.8	24.8	21.7	21.7	15.5	15.5	12.4
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°	2411.4	2411.4	2411.4	2411.4	2411.4	2411.4	2411.4	2411.4	2411.4	2411.4	2411.4
2.5°	2380.5	2380.5	2374.3	2368.1	2365.0	2361.9	2269.0	2176.2	2114.3	2049.3	2033.8
5°	2210.2	2095.7	2009.0	1922.3	1903.8	1885.2	1882.1	1879.0	1869.7	1857.3	1854.2
7.5°	1745.9	1643.7	1714.9	1783.0	1770.7	1755.2	1745.9	1733.5	1711.8	1690.2	1581.8
10°	1343.5	1309.4	1309.4	1306.3	1281.6	1256.8	1312.5	1368.2	1430.1	1492.1	1485.9
12.5°	1145.4	1191.8	1071.1	947.2	1015.3	1080.3	1142.3	1201.1	1232.0	1263.0	1167.0
15°	1080.3	938.0	897.7	857.5	888.4	919.4	829.6	736.7	807.9	879.1	894.6
17.5°	968.9	894.6	854.4	811.0	693.4	572.7	612.9	653.2	650.1	647.0	631.5
20°	903.9	811.0	739.8	665.5	609.8	554.1	495.3	433.4	405.5	374.6	448.9
22.5°	860.6	811.0	662.4	513.9	470.5	427.2	380.8	331.2	349.8	365.3	377.7
25°	752.2	603.6	520.1	436.5	368.4	297.2	300.3	303.4	287.9	272.4	343.6
27.5°	761.5	575.8	445.8	315.7	291.0	263.1	247.6	229.1	253.8	275.5	281.7
30°	798.7	498.4	377.7	256.9	229.1	201.2	210.5	216.7	216.7	216.7	247.6
32.5°	708.9	433.4	321.9	207.4	191.9	173.4	176.4	176.4	191.9	207.4	222.9
35°	600.5	340.5	263.1	182.6	167.2	151.7	157.9	164.1	179.5	195.0	216.7
37.5°	517.0	269.3	216.7	164.1	154.8	145.5	148.6	151.7	167.2	179.5	198.1
40°	436.5	226.0	191.9	157.9	148.6	139.3	142.4	142.4	154.8	167.2	179.5
42.5°	377.7	207.4	182.6	154.8	145.5	133.1	136.2	136.2	145.5	154.8	164.1
45°	325.0	198.1	176.4	151.7	142.4	130.0	130.0	126.9	136.2	142.4	148.6
47.5°	291.0	195.0	173.4	151.7	139.3	123.8	120.7	117.6	126.9	133.1	142.4
50°	272.4	195.0	173.4	148.6	133.1	117.6	114.5	111.4	123.8	133.1	148.6
52.5°	266.2	198.1	173.4	148.6	130.0	111.4	111.4	111.4	133.1	154.8	161.0
55°	266.2	204.3	176.4	145.5	126.9	108.3	114.5	120.7	126.9	133.1	133.1
57.5°	272.4	201.2	170.3	139.3	126.9	111.4	108.3	105.2	108.3	111.4	111.4
60°	300.3	195.0	164.1	133.1	117.6	102.2	99.1	96.0	102.2	105.2	105.2
62.5°	362.2	191.9	164.1	133.1	114.5	96.0	96.0	92.9	96.0	99.1	102.2
65°	442.7	213.6	173.4	133.1	114.5	96.0	89.8	83.6	89.8	92.9	92.9
67.5°	461.2	250.7	201.2	148.6	120.7	92.9	86.7	80.5	86.7	89.8	89.8
70°	417.9	275.5	216.7	157.9	126.9	92.9	86.7	77.4	80.5	83.6	80.5
72.5°	359.1	269.3	213.6	154.8	123.8	89.8	83.6	74.3	77.4	77.4	74.3
75°	306.5	232.2	182.6	130.0	105.2	77.4	71.2	65.0	68.1	68.1	68.1
77.5°	256.9	191.9	148.6	102.2	83.6	61.9	58.8	55.7	58.8	61.9	58.8
80°	201.2	145.5	111.4	74.3	61.9	46.4	49.5	49.5	52.6	52.6	52.6
82.5°	117.6	86.7	71.2	52.6	43.3	34.1	37.1	40.2	43.3	43.3	43.3
85°	71.2	55.7	46.4	37.1	31.0	21.7	27.9	31.0	31.0	31.0	27.9
87.5°	12.4	12.4	12.4	12.4	9.3	6.2	12.4	15.5	15.5	15.5	12.4
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: P560907

CATALOG NUMBER: SDL-PA1-70-740-U-SL3

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	2411.4	2411.4	2411.4	2411.4
2.5°	2015.2	2015.2	2012.1	2012.1
5°	1851.1	1845.0	1838.8	1845.0
7.5°	1473.5	1430.1	1386.8	1399.2
10°	1476.6	1473.5	1470.4	1467.3
12.5°	1068.0	1033.9	999.9	978.2
15°	907.0	897.7	885.3	885.3
17.5°	612.9	585.1	557.2	538.6
20°	523.1	538.6	551.0	557.2
22.5°	390.0	402.4	414.8	421.0
25°	411.7	442.7	470.5	473.6
27.5°	284.8	300.3	312.7	306.5
30°	278.6	287.9	297.2	297.2
32.5°	238.4	263.1	287.9	291.0
35°	238.4	250.7	263.1	266.2
37.5°	213.6	222.9	229.1	232.2
40°	191.9	198.1	201.2	201.2
42.5°	170.3	185.7	198.1	198.1
45°	151.7	191.9	232.2	244.5
47.5°	148.6	207.4	266.2	278.6
50°	161.0	216.7	269.3	275.5
52.5°	164.1	195.0	222.9	222.9
55°	130.0	145.5	157.9	154.8
57.5°	111.4	123.8	133.1	133.1
60°	105.2	120.7	133.1	136.2
62.5°	102.2	108.3	114.5	120.7
65°	92.9	92.9	92.9	92.9
67.5°	86.7	86.7	83.6	83.6
70°	77.4	77.4	77.4	77.4
72.5°	71.2	71.2	71.2	68.1
75°	65.0	65.0	61.9	61.9
77.5°	55.7	55.7	55.7	55.7
80°	49.5	49.5	46.4	46.4
82.5°	40.2	40.2	37.1	34.1
85°	24.8	24.8	21.7	18.6
87.5°	9.3	9.3	6.2	3.1
90°	0.0	0.0	0.0	0.0



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