

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: P560818

Luminaire Tested: **SDL-PA1-60-830-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560818
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-PA1-60-830-U-SL3-HSS
Description: Springdale
(1) 80 CRI, 3000K, 800mA 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: 4973.6 lumens
Efficiency: N/A
Efficacy: 79.7 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): 62.4
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

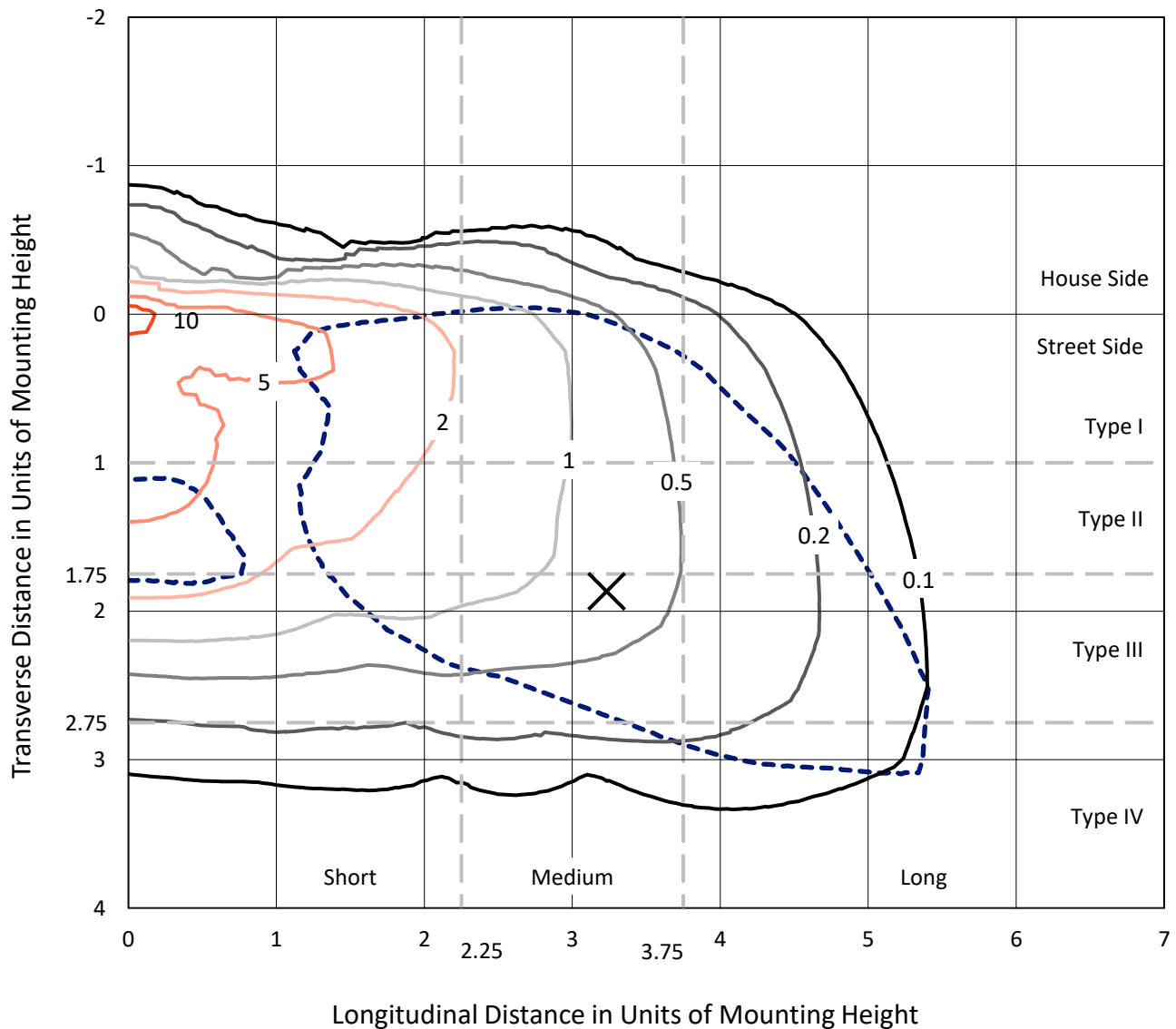


REPORT NUMBER: P560818

CATALOG NUMBER: SDL-PA1-60-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

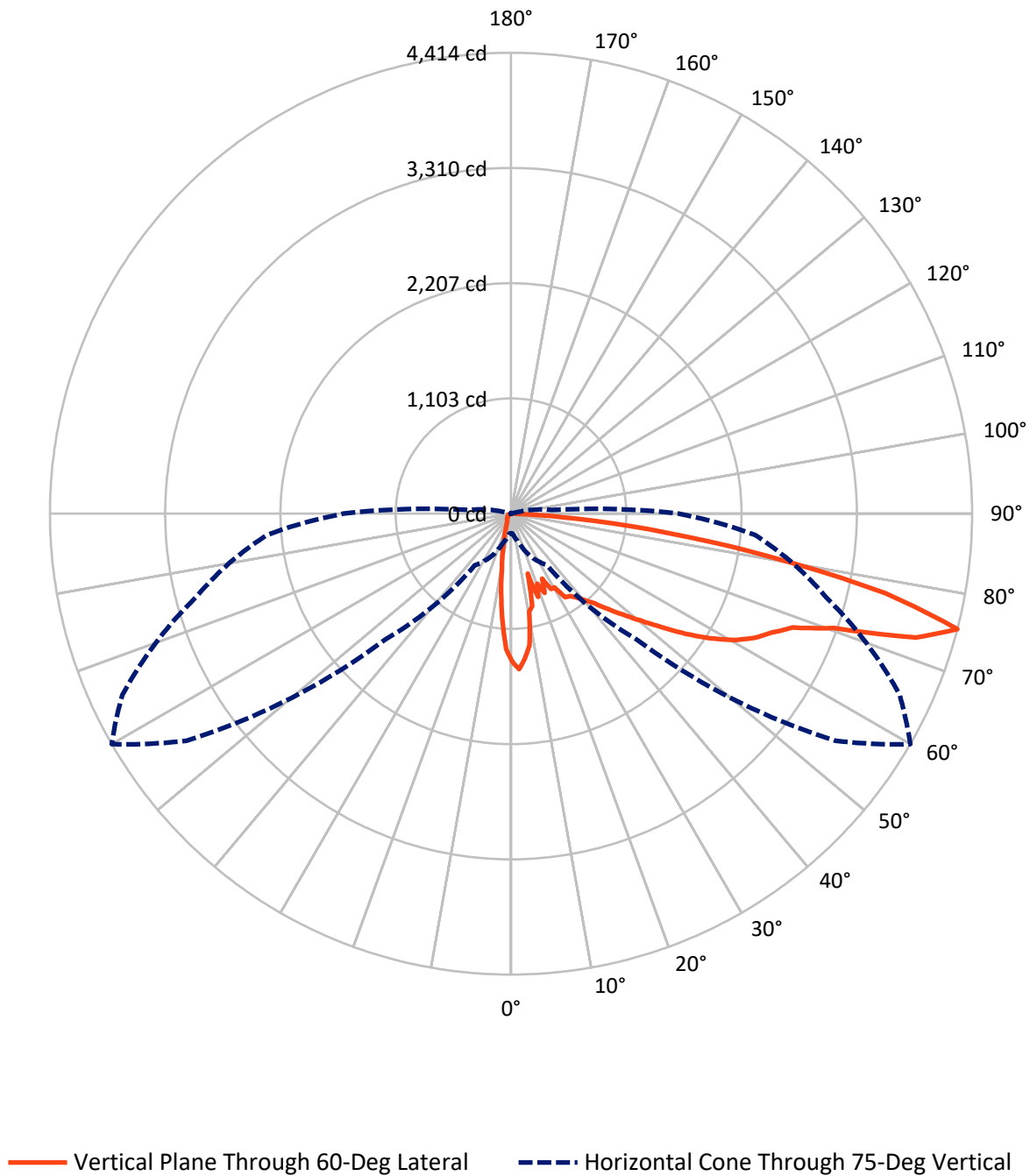


Based on 10 foot mounting height. Maximum calculated value = 14.2 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560818

CATALOG NUMBER: SDL-PA1-60-830-U-SL3-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P560818

CATALOG NUMBER: SDL-PA1-60-830-U-SL3-HSS

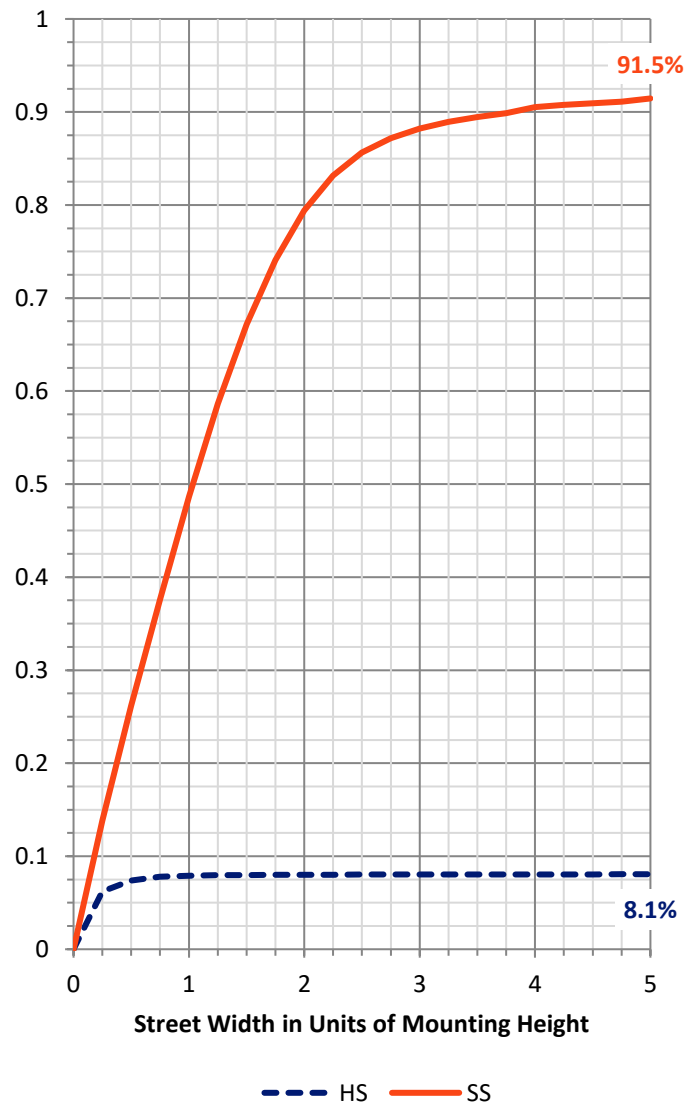
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	405.2	0.0	405.2
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	4568.4	0.0	4568.4
	% Fixture	91.9	0.0	91.9
Total	Lumens	4973.6	0.0	4973.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.0	2.0
10°-20°	162.7	3.3
20°-30°	233.1	4.7
30°-40°	415.1	8.3
40°-50°	683.2	13.7
50°-60°	1053.5	21.2
60°-70°	1227.8	24.7
70°-80°	951.5	19.1
80°-90°	148.6	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°	4973.6	100.0
0°-180°	4973.6	100.0



REPORT NUMBER: P560818

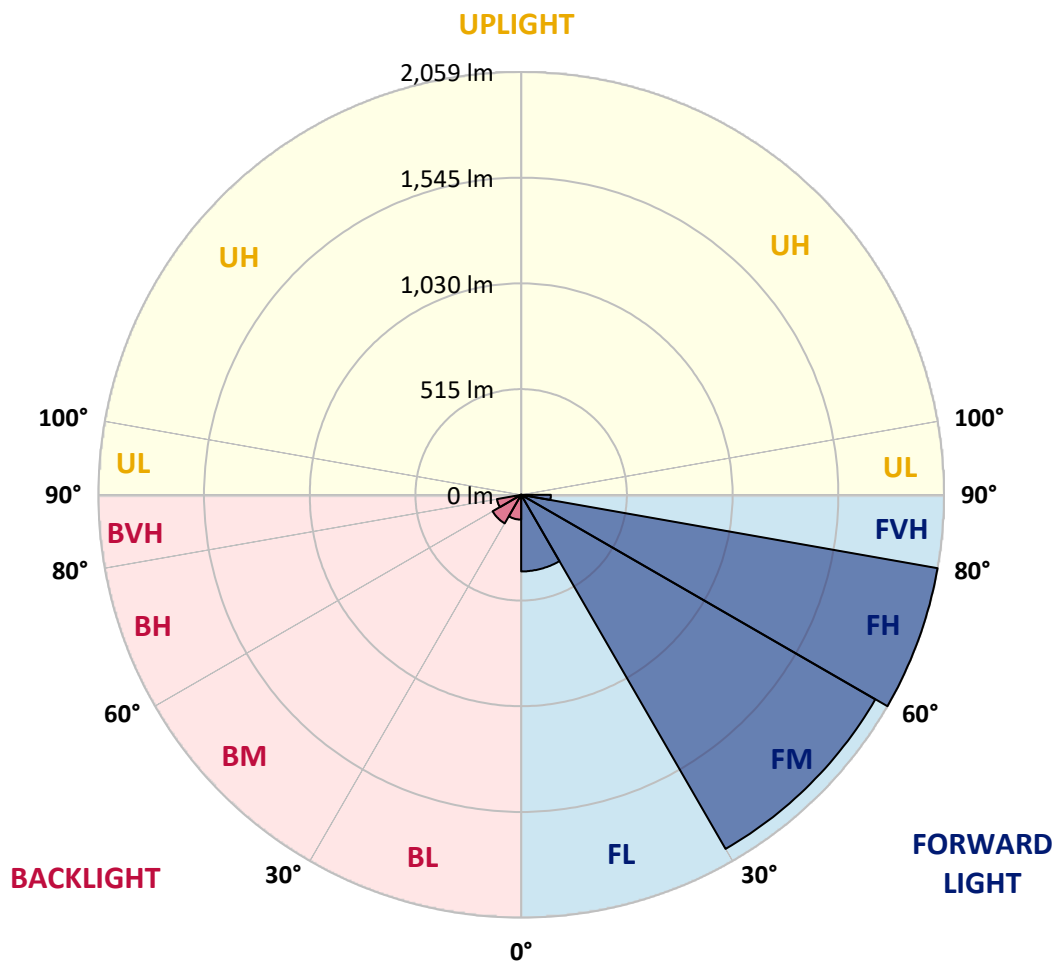
CATALOG NUMBER: SDL-PA1-60-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	373.1	7.5			
FM	(30°-60°)	1991.4	40.0			
FH	(60°-80°)	2059.4	41.4			G2/5000
FVH	(80°-90°)	144.5	2.9			G2/225
BL	(0°-30°)	120.8	2.4	B1/500		
BM	(30°-60°)	160.4	3.2	B0/220		
BH	(60°-80°)	119.9	2.4	B1/500		G1/500
BVH	(80°-90°)	4.1	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



REPORT NUMBER: P560818

CATALOG NUMBER: SDL-PA1-60-830-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1417.3	1417.3	1417.3	1417.3	1417.3	1417.3	1417.3	1417.3	1417.3	1417.3	1417.3
2.5°	1324.4	1374.0	1404.3	1432.4	1469.1	1505.8	1508.0	1510.2	1510.2	1510.2	1508.0
5°	1279.0	1283.3	1283.3	1283.3	1289.8	1296.3	1300.6	1302.8	1304.9	1304.9	1302.8
7.5°	1000.3	1080.2	1129.9	1177.4	1190.4	1203.4	1220.7	1235.8	1248.7	1259.5	1268.2
10°	1108.3	1117.0	1117.0	1114.8	1125.6	1134.2	1050.0	963.6	998.1	1032.7	989.5
12.5°	855.5	898.7	952.8	1004.6	1039.2	1073.7	1034.9	996.0	935.5	872.8	868.5
15°	1000.3	1006.8	1008.9	1011.1	952.8	892.3	821.0	747.5	797.2	846.9	775.6
17.5°	769.1	775.6	836.1	896.6	903.1	909.5	864.2	816.7	712.9	609.2	706.5
20°	920.4	924.7	924.7	924.7	810.2	695.7	704.3	710.8	743.2	775.6	751.8
22.5°	741.0	732.4	736.7	738.9	773.4	805.8	738.9	669.7	719.4	767.0	725.9
25°	926.8	929.0	916.0	900.9	799.4	695.7	732.4	767.0	708.6	648.1	706.5
27.5°	838.3	829.6	799.4	769.1	784.2	799.4	730.2	658.9	715.1	769.1	743.2
30°	1104.0	1099.7	1060.8	1019.7	898.7	775.6	762.6	747.5	715.1	680.5	725.9
32.5°	1473.4	1421.6	1276.8	1129.9	1054.3	976.5	881.5	786.4	797.2	805.8	812.3
35°	1555.5	1531.8	1469.1	1406.5	1289.8	1171.0	1041.3	909.5	879.3	849.1	866.3
37.5°	1577.1	1568.5	1559.8	1549.0	1410.8	1272.5	1142.9	1011.1	987.3	961.4	942.0
40°	1598.7	1607.4	1633.3	1657.1	1527.4	1397.8	1276.8	1153.7	1125.6	1097.5	1047.8
42.5°	1685.2	1691.6	1730.5	1769.4	1644.1	1516.6	1410.8	1304.9	1263.9	1222.8	1177.4
45°	1868.8	1875.3	1896.9	1918.5	1801.8	1683.0	1566.3	1447.5	1415.1	1380.5	1328.7
47.5°	2123.7	2130.2	2119.4	2108.6	1974.7	1838.5	1700.3	1562.0	1551.2	1540.4	1486.4
50°	2415.4	2406.7	2348.4	2290.1	2143.2	1996.3	1834.2	1670.0	1678.7	1687.3	1648.4
52.5°	2549.3	2545.0	2478.0	2411.1	2259.8	2106.4	1937.9	1767.2	1797.5	1825.6	1804.0
55°	2540.7	2538.5	2493.2	2447.8	2305.2	2162.6	2004.9	1847.2	1916.3	1983.3	1970.3
57.5°	2445.6	2450.0	2443.5	2437.0	2311.7	2186.4	2058.9	1931.4	2035.1	2136.7	2154.0
60°	2296.6	2296.6	2329.0	2359.2	2285.8	2210.1	2104.3	1996.3	2138.8	2281.4	2324.6
62.5°	1985.5	2020.0	2089.2	2158.3	2182.1	2205.8	2119.4	2033.0	2229.6	2426.2	2488.8
65°	1529.6	1544.7	1670.0	1795.3	1912.0	2026.5	2033.0	2039.5	2339.8	2637.9	2659.5
67.5°	887.9	950.6	1088.9	1225.0	1454.0	1680.8	1797.5	1914.2	2387.3	2858.3	2882.0
70°	466.7	492.6	559.6	624.4	829.6	1032.7	1322.2	1609.5	2277.1	2942.5	3149.9
72.5°	319.7	343.5	380.2	417.0	494.7	570.4	777.8	983.0	1812.6	2642.2	3286.0
75°	188.0	194.4	239.8	285.2	369.4	453.7	529.3	602.8	1153.7	1702.4	2745.9
77.5°	75.6	82.1	101.5	121.0	239.8	356.5	434.3	512.0	643.8	775.6	1886.1
80°	41.0	41.0	49.7	56.2	108.0	157.7	291.7	425.6	490.4	555.2	1222.8
82.5°	23.8	23.8	30.2	34.6	54.0	73.5	166.4	259.3	382.4	503.4	825.3
85°	8.6	8.6	10.8	13.0	25.9	36.7	60.5	82.1	237.6	391.0	475.3
87.5°	2.2	2.2	4.3	4.3	6.5	8.6	10.8	10.8	8.6	6.5	43.2
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: P560818

CATALOG NUMBER: SDL-PA1-60-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1417.3	1417.3	1417.3	1417.3	1417.3	1417.3	1417.3	1417.3	1417.3	1417.3	1417.3
2.5°	1503.7	1490.7	1482.1	1466.9	1451.8	1438.9	1423.7	1404.3	1389.2	1369.7	1350.3
5°	1300.6	1391.3	1484.2	1475.6	1464.8	1434.5	1404.3	1369.7	1337.3	1298.4	1259.5
7.5°	1274.7	1272.5	1183.9	1229.3	1272.5	1237.9	1203.4	1164.5	1121.3	1045.7	970.0
10°	946.3	952.8	950.6	961.4	972.2	1000.3	1026.2	970.0	916.0	797.2	676.2
12.5°	864.2	905.2	916.0	842.6	769.1	799.4	829.6	773.4	719.4	609.2	499.1
15°	702.1	596.3	747.5	846.9	944.1	959.2	972.2	898.7	812.3	661.1	507.7
17.5°	801.5	838.3	795.0	797.2	797.2	799.4	801.5	734.6	648.1	533.6	419.1
20°	728.1	717.3	721.6	792.9	864.2	911.7	957.1	855.5	745.4	568.2	388.9
22.5°	684.9	825.3	885.8	855.5	825.3	749.7	671.9	594.1	503.4	414.8	324.1
25°	762.6	689.2	736.7	853.4	970.0	970.0	970.0	836.1	687.0	496.9	306.8
27.5°	717.3	818.8	866.3	959.2	1050.0	1088.9	1125.6	954.9	758.3	522.8	285.2
30°	771.3	818.8	987.3	1173.1	1358.9	1326.5	1291.9	1073.7	825.3	548.8	272.2
32.5°	818.8	952.8	1101.8	1242.3	1382.7	1346.0	1307.1	1065.1	786.4	494.7	203.1
35°	883.6	970.0	1108.3	1279.0	1449.7	1393.5	1335.2	1069.4	756.2	453.7	151.2
37.5°	922.5	1017.6	1166.6	1346.0	1523.1	1454.0	1384.8	1088.9	730.2	423.4	116.7
40°	996.0	1091.0	1240.1	1428.1	1616.0	1536.1	1454.0	1123.4	715.1	406.2	97.2
42.5°	1132.1	1175.3	1341.6	1540.4	1739.2	1654.9	1568.5	1196.9	710.8	397.5	84.3
45°	1274.7	1302.8	1449.7	1672.2	1892.6	1806.1	1717.6	1287.6	725.9	404.0	79.9
47.5°	1430.2	1445.3	1579.3	1855.8	2132.4	2013.5	1894.7	1412.9	758.3	417.0	75.6
50°	1609.5	1609.5	1739.2	2037.3	2335.4	2212.3	2089.2	1559.8	799.4	436.4	73.5
52.5°	1780.2	1804.0	1903.4	2208.0	2512.6	2398.1	2281.4	1721.9	853.4	462.3	69.1
55°	1955.2	2030.8	2067.6	2378.7	2689.8	2558.0	2426.2	1840.7	885.8	475.3	64.8
57.5°	2171.3	2251.2	2270.6	2534.2	2797.8	2670.3	2540.7	1942.2	909.5	486.1	62.7
60°	2367.9	2458.6	2497.5	2691.9	2884.2	2752.4	2620.6	2030.8	931.2	494.7	56.2
62.5°	2549.3	2618.5	2679.0	2804.3	2929.6	2806.4	2681.1	2108.6	944.1	496.9	49.7
65°	2681.1	2743.8	2830.2	2901.5	2972.8	2879.9	2787.0	2242.5	980.8	509.9	36.7
67.5°	2903.6	2910.1	2959.8	3018.1	3076.5	3026.8	2977.1	2428.3	1024.1	527.1	28.1
70°	3355.2	3281.7	3216.9	3275.2	3331.4	3262.3	3193.1	2482.4	924.7	473.1	21.6
72.5°	3929.9	4053.0	3739.7	3618.8	3495.6	3240.7	2983.6	2136.7	656.8	337.0	17.3
75°	3789.4	4413.8	4104.9	3618.8	3132.7	2739.5	2344.1	1603.1	404.0	209.6	13.0
77.5°	2994.4	3664.1	3553.9	3052.7	2549.3	2065.4	1581.4	985.2	142.6	77.8	13.0
80°	1890.4	2534.2	2439.1	1983.3	1525.3	1084.5	643.8	300.3	54.0	34.6	15.1
82.5°	1147.2	1510.2	1186.1	743.2	300.3	211.7	123.1	64.8	17.3	15.1	13.0
85°	557.4	624.4	408.3	235.5	60.5	56.2	49.7	32.4	8.6	8.6	6.5
87.5°	77.8	56.2	34.6	23.8	10.8	10.8	10.8	6.5	6.5	6.5	4.3
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: P560818

CATALOG NUMBER: SDL-PA1-60-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1417.3	1417.3	1417.3	1417.3	1417.3	1417.3	1417.3	1417.3	1417.3	1417.3	1417.3
2.5°	1335.2	1317.9	1298.4	1279.0	1257.4	1235.8	1173.1	1108.3	1073.7	1037.0	1028.4
5°	1188.2	1117.0	1028.4	937.6	898.7	859.9	840.4	818.8	805.8	790.7	777.8
7.5°	870.7	769.1	769.1	767.0	734.6	702.1	665.4	626.5	602.8	579.0	516.3
10°	622.2	566.0	527.1	488.3	473.1	458.0	410.5	360.8	365.1	367.3	354.3
12.5°	481.8	462.3	391.0	319.7	296.0	272.2	257.1	242.0	220.4	198.8	183.6
15°	412.6	317.6	263.6	209.6	185.8	159.9	138.3	114.5	108.0	99.4	110.2
17.5°	339.2	257.1	205.2	153.4	118.8	84.3	88.6	92.9	101.5	110.2	114.5
20°	291.7	194.4	149.1	103.7	92.9	82.1	86.4	88.6	86.4	82.1	95.1
22.5°	237.6	151.2	114.5	75.6	77.8	79.9	73.5	67.0	79.9	92.9	92.9
25°	203.1	99.4	88.6	77.8	71.3	64.8	73.5	79.9	75.6	71.3	82.1
27.5°	185.8	86.4	75.6	64.8	67.0	69.1	67.0	62.7	69.1	75.6	73.5
30°	177.2	79.9	73.5	64.8	62.7	58.3	60.5	60.5	58.3	56.2	62.7
32.5°	142.6	82.1	71.3	58.3	56.2	51.9	49.7	47.5	49.7	51.9	54.0
35°	114.5	75.6	67.0	56.2	51.9	47.5	45.4	41.0	41.0	41.0	43.2
37.5°	92.9	69.1	60.5	49.7	45.4	41.0	38.9	34.6	34.6	34.6	34.6
40°	82.1	64.8	56.2	45.4	41.0	34.6	32.4	28.1	28.1	25.9	25.9
42.5°	71.3	58.3	49.7	38.9	34.6	30.2	25.9	21.6	21.6	19.4	19.4
45°	67.0	54.0	45.4	36.7	30.2	23.8	21.6	17.3	17.3	15.1	15.1
47.5°	64.8	51.9	43.2	32.4	25.9	19.4	17.3	13.0	13.0	13.0	13.0
50°	60.5	47.5	38.9	28.1	23.8	17.3	15.1	10.8	10.8	10.8	10.8
52.5°	58.3	45.4	34.6	23.8	19.4	13.0	10.8	8.6	8.6	8.6	8.6
55°	56.2	47.5	34.6	21.6	17.3	10.8	8.6	6.5	6.5	6.5	6.5
57.5°	54.0	45.4	32.4	17.3	13.0	8.6	6.5	4.3	4.3	4.3	4.3
60°	47.5	38.9	25.9	13.0	10.8	6.5	4.3	2.2	4.3	4.3	4.3
62.5°	41.0	30.2	21.6	10.8	8.6	4.3	4.3	2.2	4.3	4.3	4.3
65°	30.2	23.8	17.3	8.6	6.5	2.2	2.2	2.2	4.3	4.3	4.3
67.5°	23.8	17.3	13.0	6.5	4.3	2.2	2.2	2.2	4.3	4.3	4.3
70°	17.3	13.0	8.6	4.3	4.3	2.2	2.2	2.2	4.3	4.3	4.3
72.5°	13.0	8.6	6.5	4.3	4.3	2.2	4.3	4.3	4.3	4.3	4.3
75°	10.8	8.6	6.5	4.3	4.3	2.2	4.3	4.3	6.5	6.5	6.5
77.5°	10.8	6.5	6.5	4.3	4.3	2.2	4.3	6.5	6.5	6.5	6.5
80°	10.8	6.5	6.5	4.3	4.3	2.2	4.3	6.5	6.5	6.5	6.5
82.5°	10.8	6.5	6.5	4.3	4.3	2.2	4.3	6.5	6.5	6.5	6.5
85°	6.5	6.5	6.5	6.5	4.3	2.2	6.5	8.6	8.6	6.5	6.5
87.5°	4.3	4.3	6.5	6.5	4.3	2.2	6.5	8.6	8.6	6.5	6.5
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: P560818

CATALOG NUMBER: SDL-PA1-60-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1417.3	1417.3	1417.3	1417.3
2.5°	1017.6	1006.8	993.8	1019.7
5°	764.8	756.2	747.5	762.6
7.5°	453.7	455.9	455.9	432.1
10°	339.2	319.7	298.1	298.1
12.5°	168.5	155.6	142.6	140.4
15°	121.0	123.1	125.3	125.3
17.5°	118.8	114.5	108.0	103.7
20°	105.9	110.2	112.3	112.3
22.5°	92.9	90.7	86.4	86.4
25°	92.9	95.1	97.2	97.2
27.5°	71.3	71.3	69.1	69.1
30°	69.1	69.1	69.1	69.1
32.5°	54.0	56.2	56.2	56.2
35°	45.4	45.4	45.4	45.4
37.5°	34.6	34.6	34.6	32.4
40°	25.9	25.9	25.9	25.9
42.5°	19.4	19.4	19.4	19.4
45°	15.1	15.1	15.1	15.1
47.5°	13.0	13.0	10.8	10.8
50°	8.6	8.6	8.6	8.6
52.5°	6.5	6.5	6.5	6.5
55°	4.3	4.3	4.3	4.3
57.5°	4.3	4.3	4.3	4.3
60°	2.2	2.2	2.2	2.2
62.5°	2.2	2.2	2.2	2.2
65°	2.2	2.2	2.2	2.2
67.5°	2.2	2.2	2.2	2.2
70°	2.2	2.2	2.2	2.2
72.5°	4.3	4.3	2.2	2.2
75°	4.3	4.3	2.2	2.2
77.5°	4.3	4.3	2.2	2.2
80°	4.3	4.3	2.2	2.2
82.5°	4.3	4.3	2.2	2.2
85°	4.3	4.3	4.3	2.2
87.5°	4.3	4.3	4.3	2.2
90°	0.0	0.0	0.0	0.0

(END OF REPORT)