

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: P561252

Luminaire Tested: **SDL-PA1-90-730-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561252
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-10)
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-T4W-HSS
Description: Springdale
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6745 lumens
Efficiency: N/A
Efficacy: 73.0 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



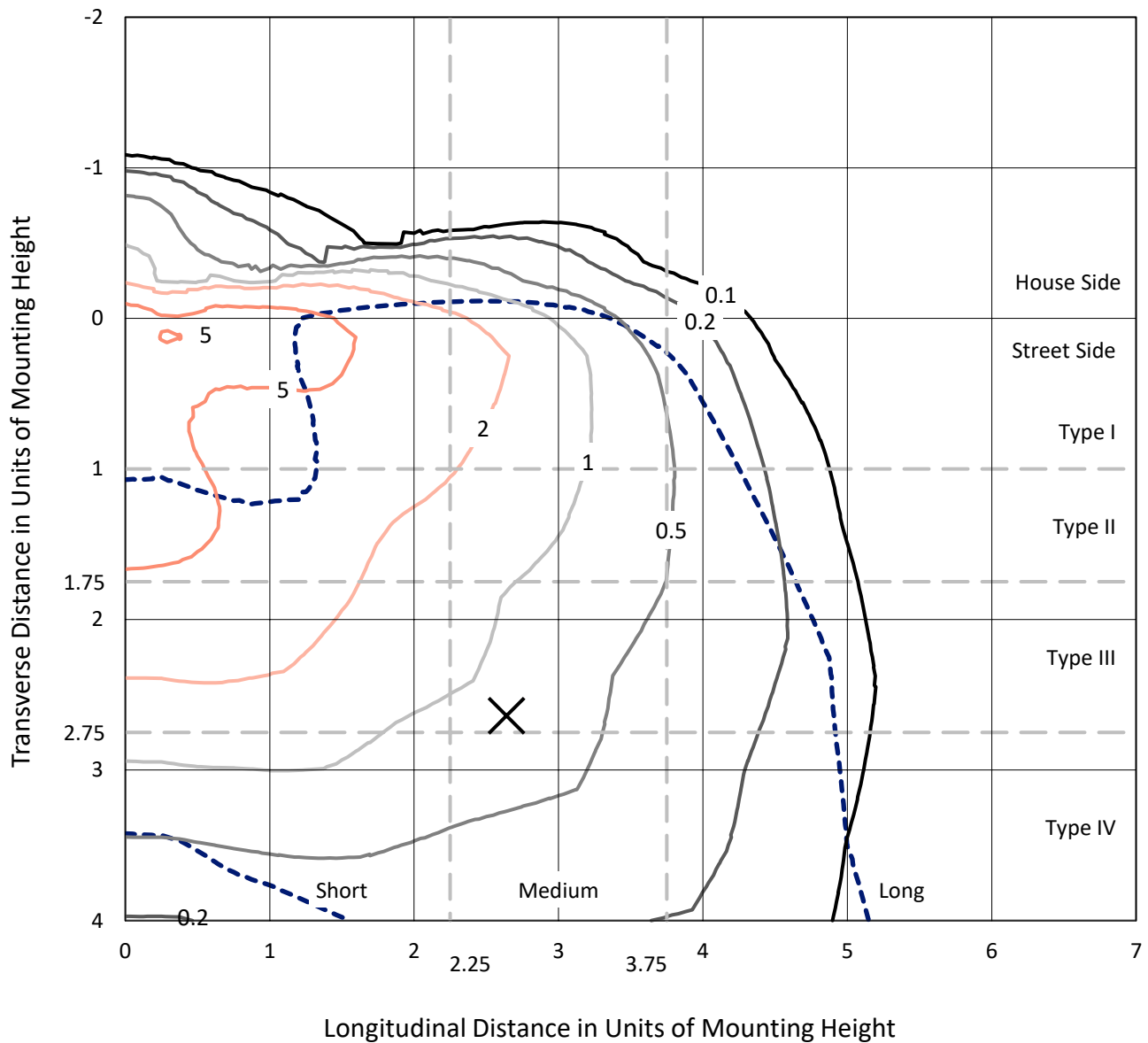
REPORT NUMBER: P561252

CATALOG NUMBER: SDL-PA1-90-730-U-T4W-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

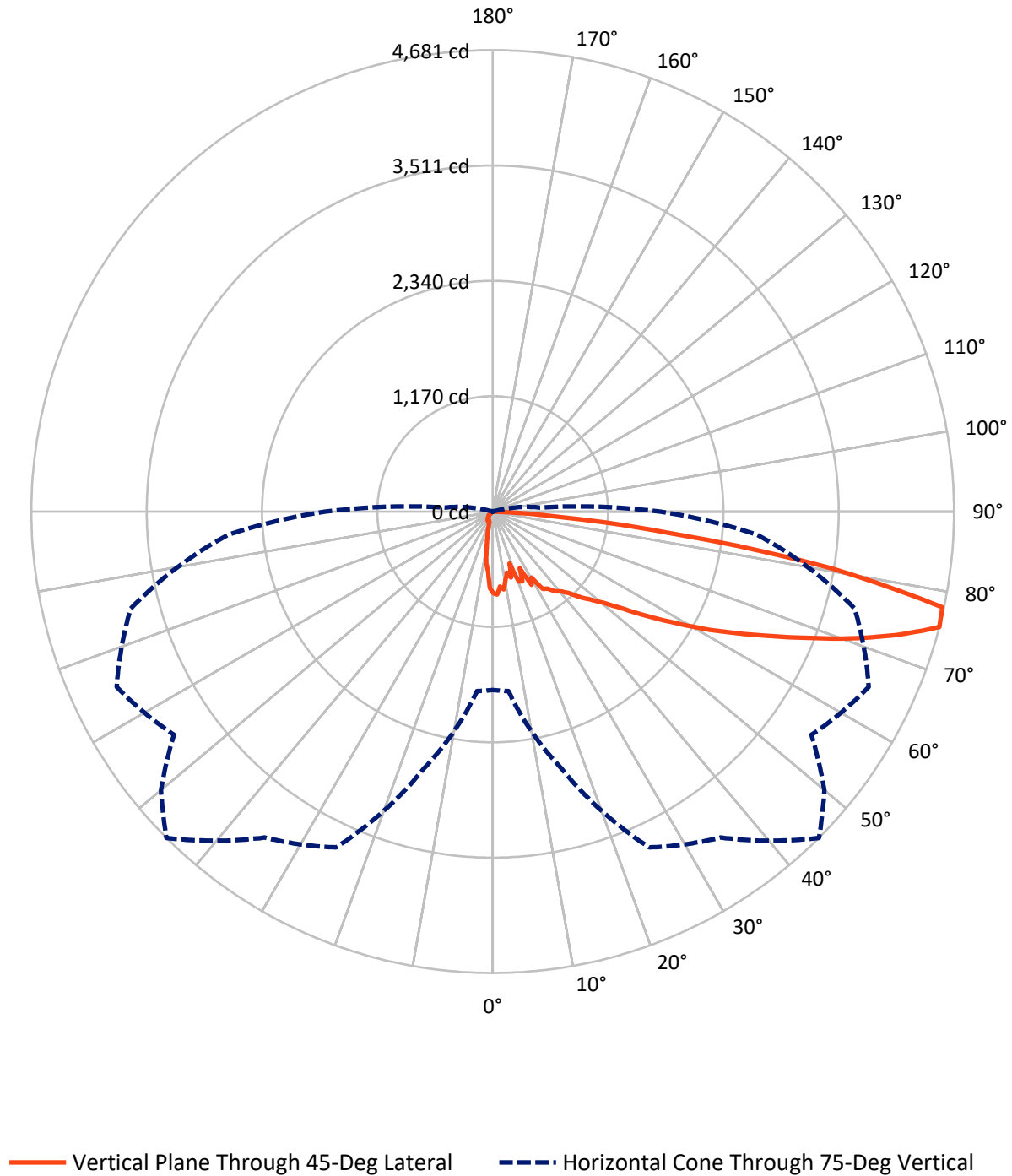
--- 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
Type IV - Medium - N/A

REPORT NUMBER: P561252
CATALOG NUMBER: SDL-PA1-90-730-U-T4W-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P561252

CATALOG NUMBER: SDL-PA1-90-730-U-T4W-HSS

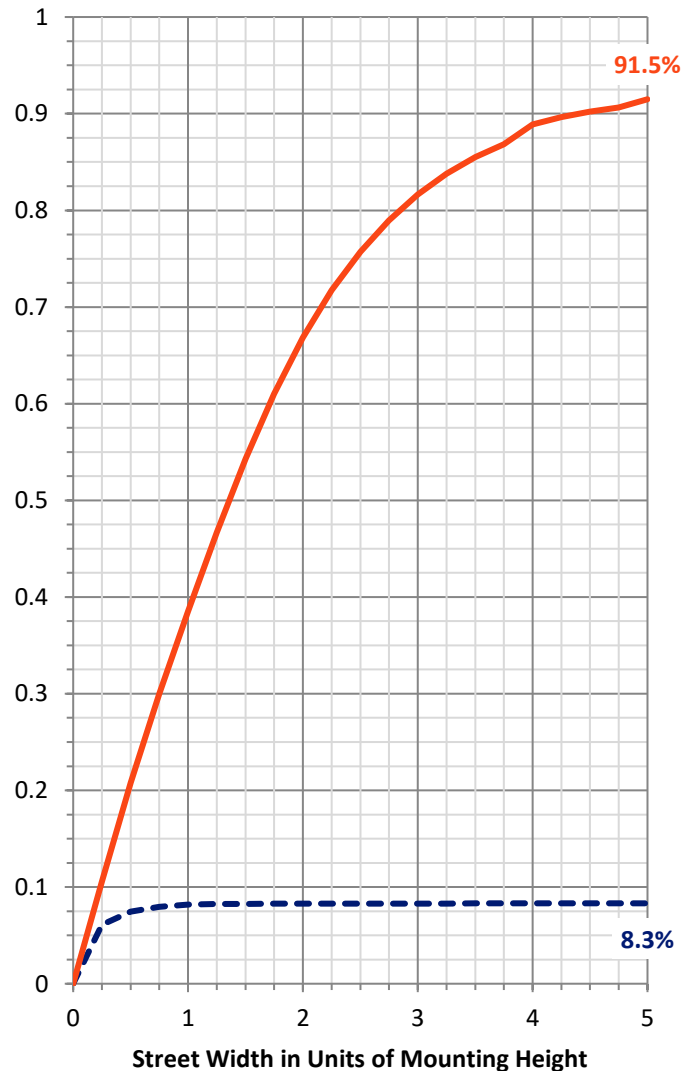
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	566.3	0.0	566.3
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	6178.8	0.0	6178.8
	% Fixture	91.6	0.0	91.6
Total	Lumens	6745.0	0.0	6745.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	64.2	1.0
10°-20°	141.2	2.1
20°-30°	238.7	3.5
30°-40°	439.6	6.5
40°-50°	721.5	10.7
50°-60°	1284.1	19.0
60°-70°	1921.4	28.5
70°-80°	1710.7	25.4
80°-90°	223.5	3.3
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°	6745.0	100.0
0°-180°	6745.0	100.0



REPORT NUMBER: P561252

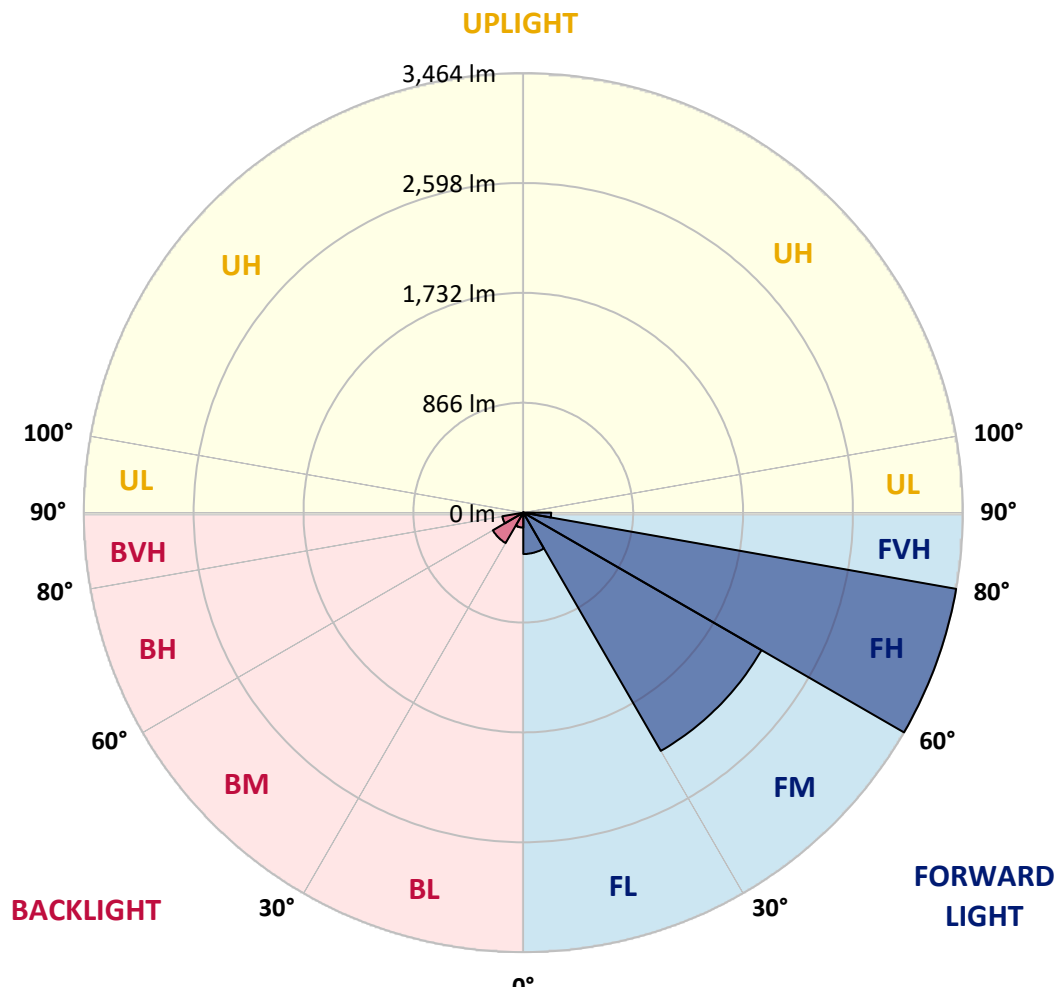
CATALOG NUMBER: SDL-PA1-90-730-U-T4W-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	326.0	4.8			
FM	(30°-60°)	2168.2	32.1			
FH	(60°-80°)	3464.4	51.4			G2/5000
FVH	(80°-90°)	220.1	3.3			G2/225
BL	(0°-30°)	118.1	1.8	B1/500		
BM	(30°-60°)	277.0	4.1	B1/1000		
BH	(60°-80°)	167.7	2.5	B1/500		G1/500
BVH	(80°-90°)	3.4	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: P561252

CATALOG NUMBER: SDL-PA1-90-730-U-T4W-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	827.0	827.0	827.0	827.0	827.0	827.0	827.0	827.0	827.0	827.0	827.0
2.5°	769.4	827.0	833.8	837.2	844.0	847.4	847.4	847.4	847.4	844.0	844.0
5°	813.5	810.1	806.7	803.3	799.9	793.1	786.4	776.2	769.4	762.6	755.9
7.5°	796.5	799.9	810.1	816.9	813.5	810.1	816.9	820.3	810.1	796.5	783.0
10°	928.7	921.9	915.2	908.4	898.2	888.0	806.7	725.3	718.6	708.4	701.6
12.5°	813.5	915.2	915.2	915.2	915.2	915.2	860.9	806.7	722.0	637.2	538.9
15°	1016.8	1013.5	999.9	986.3	894.8	799.9	749.1	698.2	698.2	694.8	654.2
17.5°	844.0	844.0	911.8	976.2	938.9	901.6	830.4	759.2	657.6	552.5	593.2
20°	1067.7	1067.7	1054.1	1040.6	884.7	728.7	735.5	742.3	749.1	755.9	627.1
22.5°	877.9	871.1	864.3	857.5	874.5	891.4	752.5	610.1	691.5	769.4	599.9
25°	1071.1	1081.2	1074.5	1064.3	925.3	786.4	816.9	844.0	738.9	633.8	735.5
27.5°	918.5	908.4	894.8	877.9	888.0	898.2	833.8	766.0	803.3	840.6	674.5
30°	1125.3	1128.7	1121.9	1115.1	982.9	850.8	847.4	840.6	810.1	776.2	759.2
32.5°	1393.1	1366.0	1271.1	1176.1	1094.8	1013.5	949.1	884.7	911.8	935.5	844.0
35°	1521.9	1471.0	1430.4	1386.3	1250.7	1111.7	1033.8	952.4	955.8	959.2	921.9
37.5°	1647.3	1572.7	1521.9	1471.0	1308.3	1145.6	1060.9	976.2	1003.3	1027.0	986.3
40°	1691.3	1650.7	1620.2	1589.7	1416.8	1240.5	1142.3	1040.6	1054.1	1064.3	1050.7
42.5°	1803.2	1796.4	1779.5	1759.1	1552.4	1342.2	1223.6	1105.0	1118.5	1128.7	1121.9
45°	2071.0	2060.8	2060.8	2057.4	1789.6	1518.5	1362.6	1206.7	1220.2	1233.8	1227.0
47.5°	2416.7	2399.7	2379.4	2355.7	2071.0	1782.9	1559.2	1332.1	1332.1	1332.1	1342.2
50°	2779.4	2755.6	2711.6	2664.1	2376.0	2087.9	1803.2	1518.5	1488.0	1454.1	1491.4
52.5°	3155.6	3114.9	3040.4	2962.4	2708.2	2454.0	2132.0	1806.6	1715.1	1620.2	1667.6
55°	3359.0	3314.9	3264.1	3209.8	3003.1	2792.9	2464.1	2135.4	1993.0	1847.3	1898.1
57.5°	3525.1	3514.9	3491.2	3467.4	3308.1	3148.8	2820.0	2487.9	2294.7	2101.5	2145.5
60°	3752.1	3738.6	3748.8	3758.9	3636.9	3514.9	3203.1	2887.8	2640.4	2389.6	2376.0
62.5°	3921.6	3918.2	3969.1	4019.9	3955.5	3887.7	3538.6	3186.1	2945.5	2701.4	2633.6
65°	3765.7	3809.8	3999.6	4189.4	4179.2	4165.7	3840.3	3511.5	3274.2	3033.6	2945.5
67.5°	3436.9	3457.3	3738.6	4016.5	4138.5	4257.2	4026.7	3792.8	3606.4	3416.6	3253.9
70°	3128.5	3172.5	3420.0	3667.4	3982.6	4297.9	4114.8	3931.8	3894.5	3853.8	3643.7
72.5°	2830.2	2908.2	3138.7	3369.1	3789.4	4206.3	4097.9	3989.4	4135.2	4280.9	4030.1
75°	1810.0	1826.9	2264.2	2698.0	3230.2	3758.9	3897.9	4036.9	4358.9	4680.9	4392.8
77.5°	528.8	586.4	915.2	1243.9	1854.0	2460.8	2935.3	3409.8	4036.9	4663.9	4311.4
80°	179.6	193.2	240.7	284.7	610.1	935.5	1484.6	2030.3	2759.0	3487.8	3240.3
82.5°	88.1	91.5	115.2	135.6	206.8	277.9	559.3	837.2	1352.4	1864.2	1908.3
85°	27.1	27.1	40.7	54.2	88.1	122.0	210.1	294.9	467.7	637.2	538.9
87.5°	6.8	6.8	10.2	13.6	20.3	27.1	27.1	27.1	20.3	13.6	16.9
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: P561252

CATALOG NUMBER: SDL-PA1-90-730-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	827.0	827.0	827.0	827.0	827.0	827.0	827.0	827.0	827.0	827.0	827.0
2.5°	847.4	847.4	847.4	844.0	837.2	833.8	827.0	820.3	813.5	810.1	803.3
5°	745.7	789.7	830.4	833.8	833.8	823.6	813.5	803.3	793.1	783.0	772.8
7.5°	766.0	742.3	718.6	722.0	725.3	722.0	715.2	698.2	684.7	657.6	627.1
10°	613.5	596.5	576.2	583.0	589.8	606.7	623.7	610.1	589.8	538.9	484.7
12.5°	603.3	599.9	593.2	542.3	488.1	515.2	538.9	525.4	505.0	454.2	400.0
15°	515.2	518.6	518.6	569.4	620.3	640.6	657.6	640.6	616.9	549.1	477.9
17.5°	664.3	630.4	596.5	576.2	552.5	559.3	566.0	491.5	515.2	471.1	423.7
20°	688.1	576.2	464.4	555.9	647.4	677.9	708.4	691.5	660.9	552.5	440.6
22.5°	627.1	667.7	708.4	650.8	593.2	555.9	515.2	498.3	477.9	430.5	383.0
25°	776.2	664.3	549.1	657.6	762.6	769.4	776.2	745.7	711.8	576.2	440.6
27.5°	694.8	732.1	766.0	789.7	813.5	844.0	874.5	840.6	759.2	599.9	437.2
30°	827.0	877.9	928.7	1006.7	1084.6	1108.4	1128.7	1091.4	1027.0	759.2	488.1
32.5°	864.3	966.0	1067.7	1098.2	1125.3	1155.8	1186.3	1155.8	1077.9	752.5	423.7
35°	966.0	1037.2	1105.0	1152.4	1199.9	1227.0	1254.1	1233.8	1128.7	742.3	355.9
37.5°	996.5	1091.4	1182.9	1237.2	1288.0	1311.7	1332.1	1332.1	1182.9	735.5	284.7
40°	1044.0	1162.6	1281.2	1332.1	1379.5	1416.8	1450.7	1464.3	1243.9	732.1	216.9
42.5°	1138.9	1243.9	1349.0	1430.4	1508.3	1562.5	1616.8	1626.9	1315.1	742.3	166.1
45°	1240.5	1352.4	1464.3	1572.7	1681.2	1759.1	1833.7	1826.9	1399.9	769.4	135.6
47.5°	1386.3	1491.4	1596.4	1779.5	1959.1	2033.7	2104.9	2057.4	1488.0	803.3	118.6
50°	1535.4	1664.2	1793.0	2026.9	2257.4	2325.2	2389.6	2291.3	1572.7	844.0	111.9
52.5°	1728.6	1881.2	2033.7	2301.5	2569.2	2630.2	2691.2	2491.3	1637.1	871.1	105.1
55°	1955.7	2152.3	2348.9	2603.1	2853.9	2925.1	2996.3	2687.9	1667.6	884.7	101.7
57.5°	2230.3	2457.4	2681.1	2914.9	3145.4	3243.7	3338.6	2881.1	1681.2	888.0	94.9
60°	2498.0	2748.9	2999.7	3199.7	3399.6	3552.2	3701.3	3070.9	1674.4	881.3	84.7
62.5°	2745.5	3023.4	3298.0	3484.4	3670.8	3853.8	4036.9	3223.4	1630.3	850.8	67.8
65°	3003.1	3298.0	3589.5	3752.1	3914.8	4152.1	4386.0	3355.6	1569.3	810.1	47.5
67.5°	3236.9	3518.3	3799.6	3982.6	4165.7	4399.5	4630.0	3389.5	1481.2	759.2	33.9
70°	3433.5	3738.6	4040.3	4226.7	4413.1	4531.7	4647.0	3240.3	1304.9	664.3	23.7
72.5°	3704.7	3979.2	4250.4	4345.3	4436.8	4230.1	4019.9	2701.4	979.6	501.6	20.3
75°	3948.7	4080.9	4209.7	4006.4	3803.0	3247.1	2691.2	1701.5	477.9	250.8	20.3
77.5°	3701.3	3630.1	3558.9	2935.3	2308.2	1715.1	1118.5	667.7	149.1	81.3	13.6
80°	2681.1	2355.7	2026.9	1403.2	776.2	518.6	257.6	149.1	37.3	23.7	10.2
82.5°	1443.9	1115.1	783.0	505.0	227.1	152.5	74.6	50.8	16.9	13.6	6.8
85°	522.0	413.5	301.7	233.9	166.1	98.3	27.1	16.9	10.2	10.2	6.8
87.5°	47.5	54.2	61.0	47.5	30.5	20.3	6.8	6.8	6.8	6.8	3.4
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: P561252

CATALOG NUMBER: SDL-PA1-90-730-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	827.0	827.0	827.0	827.0	827.0	827.0	827.0	827.0	827.0	827.0	827.0
2.5°	799.9	796.5	793.1	786.4	783.0	779.6	755.9	732.1	705.0	677.9	677.9
5°	728.7	684.7	660.9	637.2	620.3	603.3	599.9	593.2	586.4	579.6	576.2
7.5°	610.1	593.2	579.6	566.0	549.1	532.1	515.2	498.3	484.7	471.1	440.6
10°	457.6	430.5	410.1	389.8	379.6	366.1	345.7	322.0	322.0	322.0	318.6
12.5°	396.6	393.2	342.3	288.1	271.2	254.2	250.8	247.4	240.7	230.5	216.9
15°	393.2	305.1	261.0	213.5	203.4	189.8	169.5	145.7	142.4	135.6	152.5
17.5°	355.9	288.1	237.3	186.4	149.1	111.9	118.6	122.0	139.0	152.5	162.7
20°	322.0	203.4	169.5	132.2	122.0	108.5	115.2	122.0	118.6	111.9	128.8
22.5°	301.7	216.9	159.3	101.7	108.5	115.2	108.5	98.3	115.2	132.2	142.4
25°	291.5	139.0	125.4	108.5	101.7	94.9	108.5	118.6	111.9	105.1	125.4
27.5°	288.1	139.0	118.6	94.9	101.7	108.5	105.1	98.3	111.9	122.0	118.6
30°	308.4	125.4	111.9	98.3	94.9	91.5	98.3	105.1	105.1	101.7	118.6
32.5°	274.5	125.4	111.9	94.9	94.9	91.5	91.5	91.5	101.7	111.9	118.6
35°	237.3	115.2	105.1	91.5	88.1	84.7	88.1	88.1	98.3	105.1	118.6
37.5°	196.6	108.5	98.3	84.7	81.3	78.0	78.0	74.6	84.7	94.9	105.1
40°	159.3	101.7	91.5	78.0	74.6	71.2	71.2	71.2	78.0	81.3	88.1
42.5°	132.2	94.9	84.7	71.2	67.8	64.4	64.4	61.0	64.4	67.8	71.2
45°	115.2	91.5	81.3	67.8	64.4	57.6	54.2	50.8	50.8	50.8	50.8
47.5°	101.7	84.7	78.0	67.8	61.0	50.8	47.5	40.7	37.3	33.9	30.5
50°	94.9	78.0	71.2	61.0	54.2	44.1	37.3	30.5	27.1	20.3	20.3
52.5°	88.1	71.2	64.4	54.2	44.1	33.9	27.1	16.9	16.9	13.6	13.6
55°	84.7	67.8	57.6	47.5	37.3	23.7	16.9	10.2	10.2	6.8	6.8
57.5°	81.3	64.4	54.2	40.7	27.1	13.6	10.2	6.8	6.8	6.8	6.8
60°	71.2	57.6	44.1	27.1	16.9	6.8	6.8	3.4	6.8	6.8	6.8
62.5°	57.6	44.1	30.5	16.9	10.2	3.4	3.4	3.4	6.8	6.8	6.8
65°	40.7	30.5	20.3	10.2	6.8	3.4	3.4	3.4	3.4	3.4	3.4
67.5°	30.5	23.7	16.9	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4
70°	20.3	16.9	13.6	6.8	6.8	3.4	3.4	3.4	3.4	3.4	3.4
72.5°	16.9	13.6	10.2	3.4	3.4	0.0	3.4	3.4	3.4	3.4	3.4
75°	16.9	13.6	10.2	3.4	3.4	0.0	3.4	3.4	3.4	3.4	3.4
77.5°	13.6	10.2	6.8	3.4	3.4	0.0	3.4	6.8	6.8	6.8	6.8
80°	10.2	6.8	6.8	3.4	3.4	0.0	3.4	6.8	6.8	6.8	6.8
82.5°	6.8	6.8	6.8	3.4	3.4	0.0	6.8	10.2	10.2	6.8	6.8
85°	6.8	3.4	3.4	3.4	3.4	3.4	6.8	10.2	10.2	10.2	6.8
87.5°	3.4	3.4	3.4	3.4	3.4	3.4	6.8	10.2	10.2	10.2	6.8
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: P561252

CATALOG NUMBER: SDL-PA1-90-730-U-T4W-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	827.0	827.0	827.0	827.0
2.5°	674.5	674.5	671.1	671.1
5°	569.4	569.4	566.0	566.0
7.5°	410.1	403.3	393.2	396.6
10°	315.2	308.4	301.7	308.4
12.5°	203.4	206.8	206.8	196.6
15°	166.1	179.6	189.8	189.8
17.5°	172.9	172.9	169.5	169.5
20°	145.7	159.3	172.9	172.9
22.5°	149.1	142.4	135.6	135.6
25°	142.4	152.5	159.3	159.3
27.5°	115.2	118.6	122.0	122.0
30°	132.2	139.0	142.4	142.4
32.5°	125.4	132.2	135.6	139.0
35°	128.8	135.6	139.0	139.0
37.5°	115.2	118.6	122.0	122.0
40°	91.5	94.9	98.3	98.3
42.5°	71.2	71.2	67.8	71.2
45°	47.5	47.5	44.1	47.5
47.5°	27.1	27.1	27.1	27.1
50°	16.9	16.9	16.9	16.9
52.5°	10.2	10.2	10.2	10.2
55°	6.8	6.8	6.8	6.8
57.5°	6.8	6.8	3.4	3.4
60°	3.4	3.4	3.4	3.4
62.5°	3.4	3.4	0.0	0.0
65°	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	3.4	3.4	0.0	0.0
77.5°	3.4	3.4	0.0	0.0
80°	3.4	3.4	0.0	0.0
82.5°	3.4	3.4	0.0	0.0
85°	3.4	3.4	3.4	0.0
87.5°	3.4	3.4	3.4	0.0
90°	0.0	0.0	0.0	0.0

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