

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: P561069

Luminaire Tested: **SDL-PA1-80-730-U-T2U**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561069
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-80-730-U-T2U
Description: Springdale
(1) 70 CRI, 3000K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8597 lumens
Efficiency: N/A
Efficacy: 104.8 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: B3 - U0 - G3

Input Watts (W): 82
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



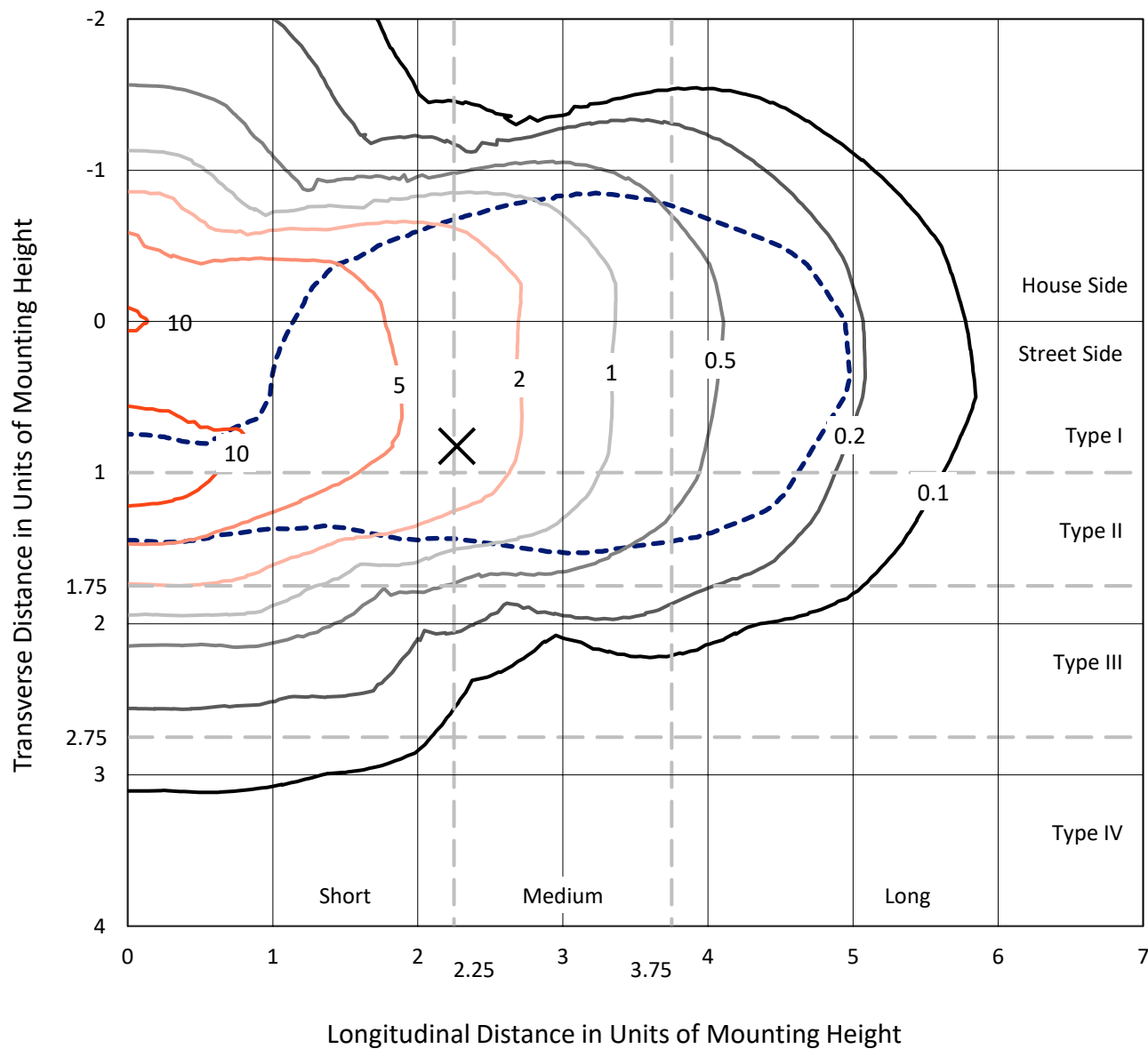
REPORT NUMBER: P561069

CATALOG NUMBER: SDL-PA1-80-730-U-T2U

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



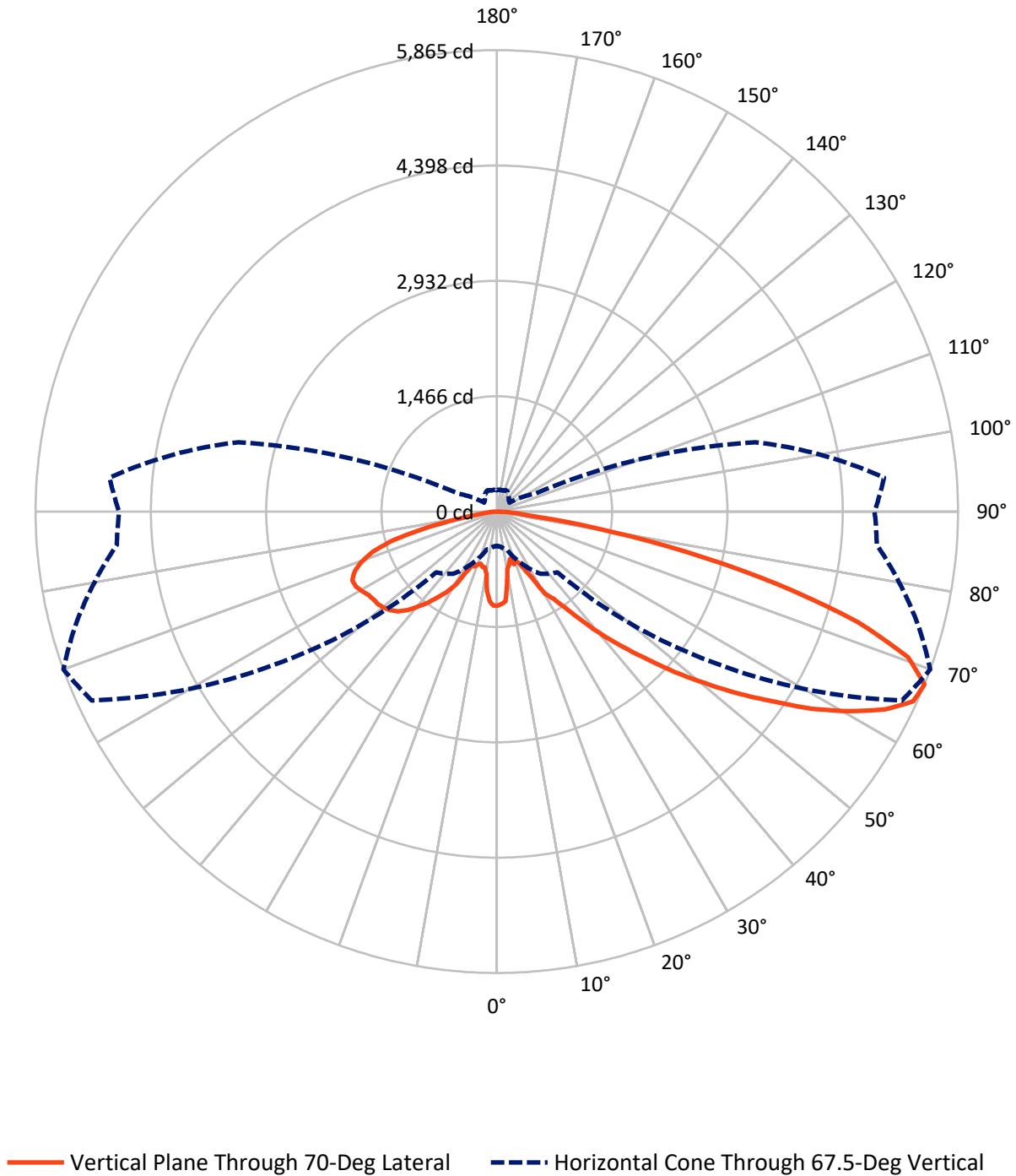
Based on 10 foot mounting height. Maximum calculated value = 15.6 fc

Type II - Medium - N/A

REPORT NUMBER: P561069

CATALOG NUMBER: SDL-PA1-80-730-U-T2U

Luminous Intensity Polar Plot



REPORT NUMBER: P561069

CATALOG NUMBER: SDL-PA1-80-730-U-T2U

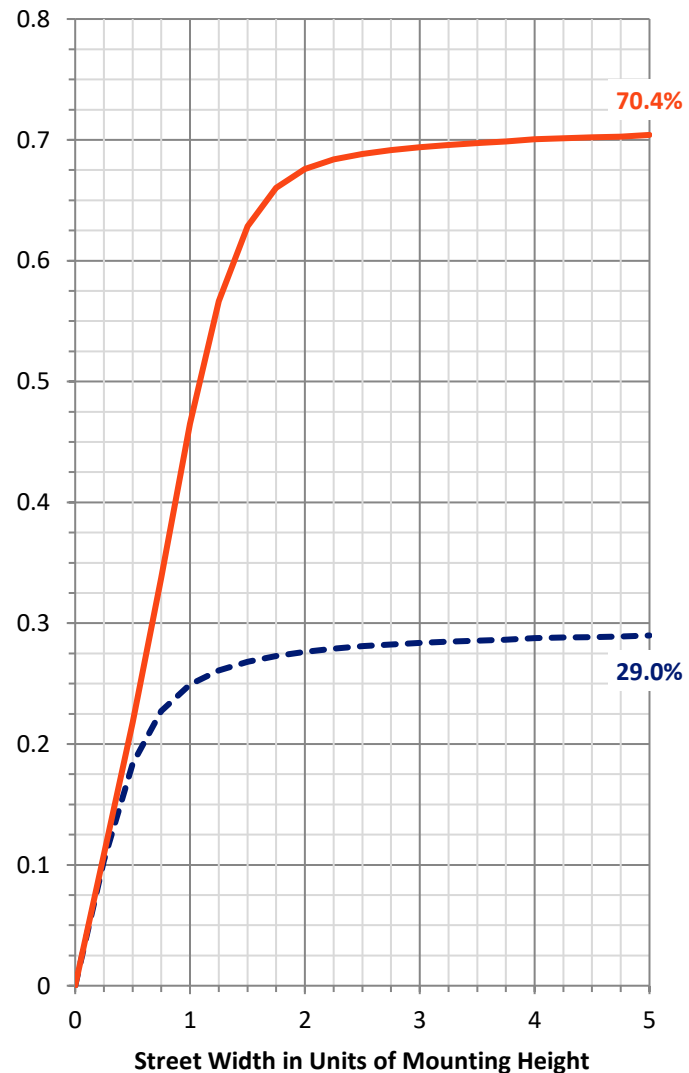
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2521.1	0.0	2521.1
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	6075.9	0.0	6075.9
	% Fixture	70.7	0.0	70.7
Total	Lumens	8597.0	0.0	8597.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.9	1.1
10°-20°	225.1	2.6
20°-30°	399.9	4.7
30°-40°	845.4	9.8
40°-50°	1547.6	18.0
50°-60°	2111.3	24.6
60°-70°	1990.4	23.2
70°-80°	1204.6	14.0
80°-90°	177.0	2.1
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°	8597.0	100.0
0°-180°	8597.0	100.0



REPORT NUMBER: P561069

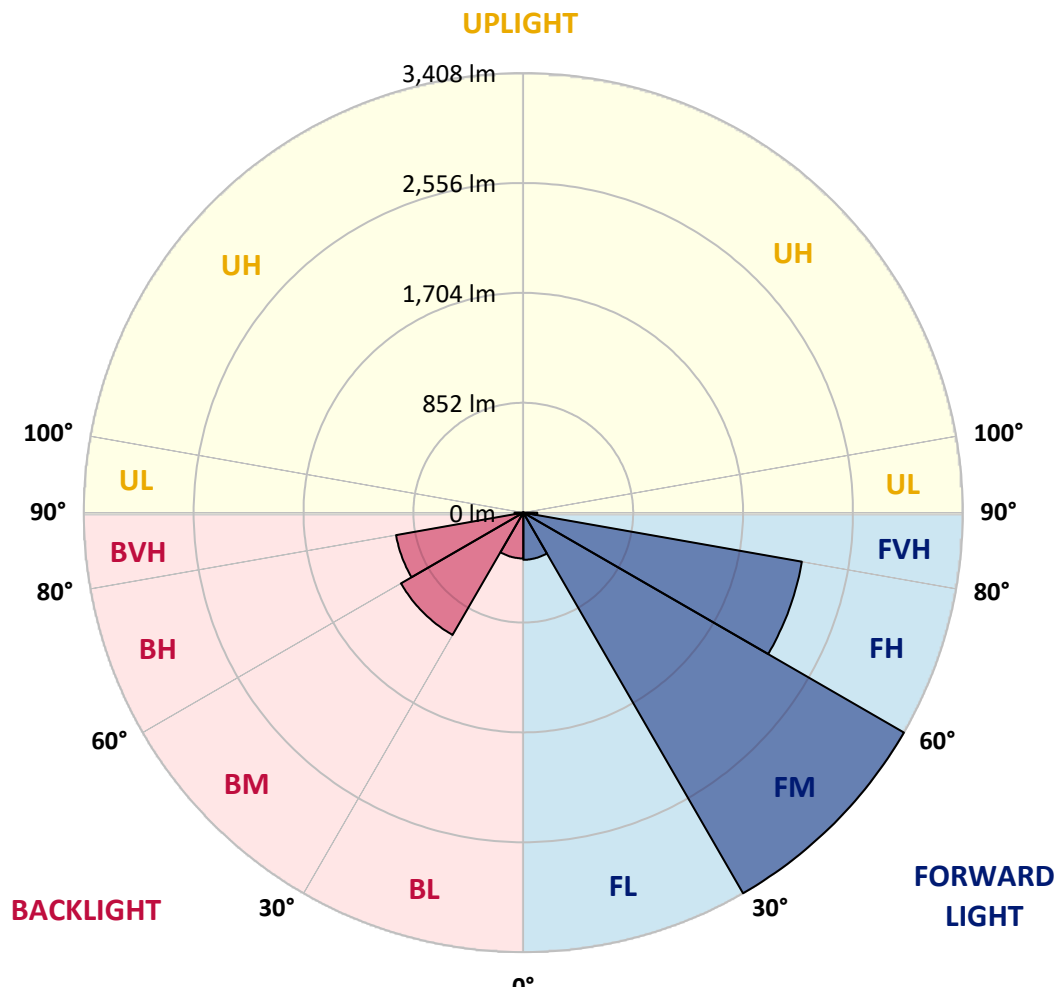
CATALOG NUMBER: SDL-PA1-80-730-U-T2U

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	365.8	4.3			
FM	(30°-60°)	3408.2	39.6			
FH	(60°-80°)	2193.3	25.5			G2/5000
FVH	(80°-90°)	108.5	1.3			G2/225
BL	(0°-30°)	355.1	4.1	B1/500		
BM	(30°-60°)	1096.0	12.7	B2/2500		
BH	(60°-80°)	1001.6	11.7	B3/2500		G3/2500
BVH	(80°-90°)	68.5	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Medium





REPORT NUMBER: P561069

CATALOG NUMBER: SDL-PA1-80-730-U-T2U

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1197.0	1197.0	1197.0	1197.0	1197.0	1197.0	1197.0	1197.0	1197.0	1197.0	1197.0
2.5°	1005.3	1014.5	1076.4	1138.3	1141.4	1141.4	1144.4	1147.5	1156.8	1163.0	1169.2
5°	937.2	943.4	943.4	943.4	946.5	949.6	952.7	952.7	958.9	962.0	968.1
7.5°	785.6	847.5	869.2	887.7	900.1	909.4	915.6	921.7	927.9	934.1	940.3
10°	893.9	893.9	897.0	897.0	897.0	893.9	832.0	767.1	798.0	829.0	782.6
12.5°	736.2	748.5	804.2	856.8	872.3	884.6	853.7	819.7	764.0	708.3	702.1
15°	875.3	875.3	875.3	872.3	816.6	757.8	699.0	637.2	674.3	711.4	655.7
17.5°	757.8	757.8	804.2	847.5	844.4	838.2	785.6	730.0	643.4	553.7	624.8
20°	955.8	952.7	937.2	918.7	804.2	689.8	714.5	739.3	745.4	748.5	726.9
22.5°	853.7	856.8	875.3	893.9	897.0	900.1	767.1	631.0	708.3	785.6	711.4
25°	1187.8	1181.6	1153.7	1122.8	996.0	866.1	890.8	915.6	788.7	658.8	739.3
27.5°	1129.0	1110.4	1098.1	1085.7	1107.3	1129.0	1011.4	890.8	918.7	946.5	844.4
30°	1614.6	1614.6	1583.7	1549.6	1357.9	1163.0	1132.1	1101.1	1026.9	949.6	968.1
32.5°	2044.5	2044.5	1930.1	1812.6	1698.1	1583.7	1432.1	1280.5	1249.6	1215.6	1184.7
35°	2573.5	2558.0	2493.0	2425.0	2177.5	1930.1	1735.2	1540.4	1478.5	1416.6	1385.7
37.5°	3068.4	3034.3	2944.6	2851.8	2592.0	2329.1	2072.4	1815.7	1747.6	1679.6	1611.5
40°	3476.6	3458.1	3396.2	3331.3	3037.4	2743.6	2452.8	2159.0	2069.3	1979.6	1880.6
42.5°	3850.9	3835.4	3779.8	3721.0	3430.3	3136.4	2861.1	2582.7	2449.7	2316.7	2199.2
45°	4126.2	4101.5	4064.3	4024.1	3792.1	3557.1	3278.7	2997.2	2944.6	2892.1	2663.2
47.5°	4212.8	4169.5	4163.3	4157.1	3971.5	3786.0	3563.3	3340.6	3349.8	3359.1	3093.1
50°	4086.0	4021.0	4048.9	4076.7	4002.5	3925.1	3751.9	3578.7	3656.0	3730.3	3520.0
52.5°	3625.1	3609.7	3680.8	3748.8	3767.4	3786.0	3748.8	3708.6	3850.9	3993.2	3915.9
55°	2991.0	3059.1	3158.1	3257.0	3334.4	3408.6	3516.9	3625.1	3869.5	4113.8	4169.5
57.5°	2356.9	2428.1	2542.5	2657.0	2746.7	2836.4	3059.1	3281.8	3649.9	4017.9	4268.5
60°	1586.8	1661.0	1849.7	2035.3	2162.1	2288.9	2489.9	2691.0	3155.0	3618.9	4126.2
62.5°	1057.8	1033.1	1190.8	1345.5	1549.6	1753.8	1843.5	1930.1	2415.7	2898.2	3717.9
65°	649.6	652.6	714.5	773.3	999.1	1221.8	1292.9	1361.0	1636.3	1911.5	3028.1
67.5°	436.1	445.4	473.2	501.1	609.3	717.6	841.3	965.0	1030.0	1091.9	2208.5
70°	386.6	389.7	402.1	414.5	445.4	476.3	590.8	705.2	668.1	627.9	1252.7
72.5°	340.2	343.3	365.0	383.5	399.0	414.5	482.5	550.6	507.3	464.0	624.8
75°	278.4	287.7	309.3	327.9	358.8	386.6	402.1	417.6	395.9	371.2	402.1
77.5°	228.9	235.1	250.5	266.0	296.9	324.8	340.2	355.7	321.7	287.7	306.2
80°	179.4	182.5	194.9	207.2	232.0	253.6	272.2	287.7	256.7	222.7	232.0
82.5°	108.3	111.4	129.9	145.4	167.0	185.6	198.0	207.2	216.5	222.7	194.9
85°	58.8	58.8	71.1	83.5	86.6	89.7	102.1	111.4	139.2	163.9	142.3
87.5°	9.3	9.3	12.4	12.4	18.6	21.7	24.7	24.7	27.8	27.8	30.9
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: P561069

CATALOG NUMBER: SDL-PA1-80-730-U-T2U

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	1197.0	1197.0	1197.0	1197.0	1197.0	1197.0	1197.0	1197.0	1197.0	1197.0	1197.0
2.5°	1172.3	1175.4	1175.4	1175.4	1178.5	1181.6	1184.7	1184.7	1187.8	1190.8	1193.9
5°	974.3	1054.7	1132.1	1144.4	1153.7	1159.9	1166.1	1169.2	1175.4	1181.6	1184.7
7.5°	946.5	946.5	946.5	924.8	1005.3	1014.5	1023.8	1030.0	1036.2	1030.0	1020.7
10°	733.1	733.1	730.0	736.2	770.2	829.0	884.6	890.8	897.0	847.5	794.9
12.5°	692.9	702.1	711.4	695.9	634.1	686.7	739.3	748.5	751.6	708.3	661.9
15°	597.0	600.1	603.2	624.8	751.6	804.2	856.8	866.1	875.3	829.0	779.5
17.5°	692.9	671.2	646.5	705.2	655.7	689.8	720.7	646.5	714.5	702.1	689.8
20°	705.2	631.0	553.7	658.8	770.2	822.8	872.3	878.4	881.5	844.4	804.2
22.5°	637.2	708.3	779.5	708.3	665.0	658.8	652.6	649.6	652.6	674.3	692.9
25°	819.7	730.0	640.3	804.2	906.3	931.0	955.8	943.4	937.2	890.8	844.4
27.5°	742.3	813.5	881.5	949.6	980.5	1014.5	1045.5	1054.7	1005.3	955.8	906.3
30°	983.6	1026.9	1067.1	1206.3	1308.4	1339.3	1370.2	1339.3	1320.8	1258.9	1193.9
32.5°	1150.6	1237.2	1323.8	1320.8	1416.6	1441.4	1463.0	1422.8	1388.8	1320.8	1249.6
35°	1354.8	1410.5	1466.1	1497.1	1592.9	1602.2	1611.5	1558.9	1509.4	1429.0	1348.6
37.5°	1543.5	1614.6	1682.6	1760.0	1843.5	1824.9	1803.3	1738.3	1657.9	1596.0	1534.2
40°	1778.5	1865.1	1951.7	2050.7	2100.2	2072.4	2041.4	1942.5	1865.1	1800.2	1735.2
42.5°	2078.6	2171.4	2261.1	2347.7	2366.2	2335.3	2301.3	2193.0	2075.5	2010.5	1942.5
45°	2431.2	2505.4	2579.6	2669.3	2706.5	2650.8	2592.0	2455.9	2316.7	2223.9	2131.1
47.5°	2824.0	2858.0	2892.1	3046.7	3096.2	3003.4	2907.5	2759.0	2564.2	2443.6	2319.8
50°	3309.6	3300.3	3288.0	3424.1	3538.5	3383.9	3226.1	3052.9	2861.1	2691.0	2517.8
52.5°	3838.5	3748.8	3656.0	3838.5	3894.2	3708.6	3523.0	3337.5	3145.7	2926.1	2703.4
55°	4225.2	4175.7	4126.2	4256.1	4249.9	4033.4	3813.8	3594.2	3436.4	3142.6	2848.7
57.5°	4515.9	4559.2	4599.4	4729.4	4580.9	4333.4	4086.0	3866.4	3730.3	3362.2	2994.1
60°	4630.4	4853.1	5072.7	5150.0	4924.2	4645.8	4364.4	4147.8	4033.4	3588.0	3142.6
62.5°	4537.6	5029.4	5521.2	5536.7	5239.7	4927.3	4614.9	4438.6	4379.8	3832.4	3281.8
65°	4144.8	4955.1	5762.4	5818.1	5484.1	5156.2	4825.2	4695.3	4732.4	4061.2	3386.9
67.5°	3322.0	4503.6	5682.0	5864.5	5542.8	5196.4	4850.0	4803.6	4942.8	4172.6	3402.4
70°	1877.5	3461.2	5041.8	5549.0	5378.9	5035.6	4689.1	4710.8	4918.0	4110.7	3303.4
72.5°	782.6	2394.1	4005.6	4800.5	4949.0	4658.2	4364.4	4444.8	4587.1	3820.0	3049.8
75°	433.0	1528.0	2623.0	3680.8	4138.6	4061.2	3980.8	4070.5	4002.5	3260.1	2517.8
77.5°	321.7	825.9	1330.0	2465.2	3114.8	3291.1	3464.3	3507.6	3127.1	2381.7	1636.3
80°	241.3	392.8	541.3	1258.9	1670.3	1985.8	2301.3	2106.4	1840.4	1286.7	733.1
82.5°	167.0	225.8	284.6	405.2	649.6	748.5	844.4	804.2	603.2	423.8	241.3
85°	117.5	148.5	179.4	222.7	278.4	222.7	167.0	136.1	157.7	145.4	133.0
87.5°	30.9	30.9	27.8	30.9	21.7	18.6	15.5	12.4	12.4	12.4	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: P561069

CATALOG NUMBER: SDL-PA1-80-730-U-T2U

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1197.0	1197.0	1197.0	1197.0	1197.0	1197.0	1197.0	1197.0	1197.0	1197.0	1197.0
2.5°	1197.0	1200.1	1200.1	1200.1	1200.1	1197.0	1181.6	1166.1	1129.0	1091.9	1079.5
5°	1144.4	1104.2	1073.3	1042.4	1042.4	1042.4	1048.6	1054.7	1057.8	1060.9	1064.0
7.5°	1020.7	1017.6	1030.0	1042.4	1051.7	1060.9	1067.1	1073.3	1060.9	1048.6	1020.7
10°	798.0	798.0	813.5	825.9	847.5	869.2	931.0	992.9	1045.5	1098.1	1107.3
12.5°	723.8	782.6	748.5	711.4	788.7	866.1	934.1	999.1	1051.7	1101.1	1060.9
15°	726.9	671.2	683.6	695.9	779.5	863.0	801.1	736.2	859.9	980.5	1008.4
17.5°	692.9	695.9	751.6	807.3	723.8	637.2	745.4	853.7	900.1	943.4	903.2
20°	711.4	615.5	680.5	745.4	804.2	859.9	804.2	745.4	760.9	776.4	881.5
22.5°	751.6	810.4	754.7	699.0	767.1	832.0	804.2	776.4	825.9	872.3	829.0
25°	748.5	649.6	742.3	835.1	773.3	708.3	742.3	776.4	751.6	723.8	804.2
27.5°	863.0	819.7	794.9	767.1	801.1	835.1	764.0	692.9	692.9	692.9	683.6
30°	1079.5	965.0	915.6	863.0	779.5	695.9	671.2	646.5	649.6	652.6	699.0
32.5°	1206.3	1163.0	1014.5	866.1	788.7	711.4	646.5	581.5	587.7	593.9	652.6
35°	1317.7	1283.6	1085.7	884.6	757.8	627.9	572.2	513.5	541.3	566.0	615.5
37.5°	1444.5	1351.7	1082.6	810.4	674.3	538.2	504.2	470.2	488.7	504.2	535.1
40°	1558.9	1379.5	1054.7	726.9	590.8	451.6	436.1	417.6	433.0	448.5	467.1
42.5°	1682.6	1419.7	1014.5	606.2	498.0	389.7	383.5	377.4	392.8	408.3	420.7
45°	1778.5	1425.9	962.0	494.9	423.8	352.6	352.6	349.5	365.0	377.4	383.5
47.5°	1840.4	1357.9	878.4	395.9	365.0	334.1	337.1	337.1	349.5	358.8	361.9
50°	1883.7	1246.5	798.0	349.5	334.1	318.6	318.6	318.6	331.0	340.2	346.4
52.5°	1914.6	1122.8	723.8	321.7	315.5	306.2	306.2	303.1	318.6	334.1	337.1
55°	1923.9	996.0	649.6	300.0	293.8	287.7	293.8	296.9	315.5	331.0	334.1
57.5°	1945.6	897.0	587.7	278.4	275.3	272.2	281.5	290.8	309.3	327.9	327.9
60°	1988.9	832.0	544.4	256.7	256.7	256.7	272.2	284.6	303.1	321.7	318.6
62.5°	2029.1	773.3	504.2	235.1	238.2	241.3	259.8	278.4	296.9	315.5	312.4
65°	2035.3	680.5	448.5	216.5	222.7	225.8	247.4	269.1	287.7	306.2	300.0
67.5°	1967.2	532.0	365.0	198.0	207.2	213.4	238.2	259.8	278.4	293.8	287.7
70°	1843.5	380.5	281.5	182.5	191.8	198.0	222.7	244.4	259.8	275.3	269.1
72.5°	1661.0	272.2	219.6	167.0	173.2	179.4	201.1	222.7	241.3	256.7	250.5
75°	1370.2	219.6	185.6	151.6	157.7	160.8	182.5	201.1	219.6	235.1	225.8
77.5°	909.4	179.4	157.7	136.1	139.2	142.3	160.8	176.3	191.8	204.1	198.0
80°	439.2	145.4	133.0	117.5	120.6	120.6	136.1	151.6	163.9	173.2	170.1
82.5°	179.4	114.4	105.2	95.9	95.9	95.9	111.4	123.7	136.1	145.4	139.2
85°	111.4	89.7	83.5	74.2	71.1	68.0	74.2	80.4	86.6	89.7	86.6
87.5°	15.5	15.5	18.6	21.7	18.6	12.4	18.6	24.7	24.7	21.7	18.6
90°	0.0	0.0	9.3	9.3	6.2	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P561069

CATALOG NUMBER: SDL-PA1-80-730-U-T2U

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	1197.0	1197.0	1197.0	1197.0
2.5°	1067.1	1067.1	1067.1	1073.3
5°	1064.0	1064.0	1064.0	1070.2
7.5°	992.9	962.0	931.0	934.1
10°	1113.5	1116.6	1116.6	1119.7
12.5°	1017.6	968.1	918.7	924.8
15°	1036.2	1036.2	1033.1	1036.2
17.5°	863.0	847.5	832.0	832.0
20°	986.7	986.7	986.7	986.7
22.5°	785.6	782.6	779.5	782.6
25°	884.6	887.7	887.7	884.6
27.5°	674.3	714.5	751.6	754.7
30°	742.3	742.3	742.3	742.3
32.5°	711.4	742.3	773.3	776.4
35°	661.9	658.8	655.7	665.0
37.5°	562.9	556.8	550.6	550.6
40°	485.6	473.2	460.9	460.9
42.5°	429.9	420.7	408.3	405.2
45°	389.7	380.5	368.1	368.1
47.5°	361.9	355.7	349.5	346.4
50°	349.5	343.3	337.1	337.1
52.5°	340.2	337.1	331.0	331.0
55°	334.1	331.0	324.8	324.8
57.5°	327.9	324.8	318.6	318.6
60°	315.5	312.4	309.3	309.3
62.5°	306.2	303.1	300.0	300.0
65°	293.8	293.8	290.8	287.7
67.5°	278.4	278.4	278.4	272.2
70°	259.8	259.8	259.8	253.6
72.5°	241.3	241.3	238.2	228.9
75°	216.5	213.4	210.3	204.1
77.5°	191.8	185.6	179.4	176.3
80°	163.9	157.7	151.6	145.4
82.5°	129.9	126.8	120.6	105.2
85°	80.4	71.1	58.8	52.6
87.5°	15.5	12.4	9.3	3.1
90°	0.0	0.0	0.0	0.0



Report Generated By 670245982



--- HS --- SS



u



(END OF REPORT)