

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: P559943

Luminaire Tested: **SDL-PA1-100-830-U-T2R**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559943
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-20)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-100-830-U-T2R
Description: Springdale
(1) 80 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8123.5 lumens
Efficiency: N/A
Efficacy: 86.6 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: B1 - U0 - G2

Input Watts (W): 93.8
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

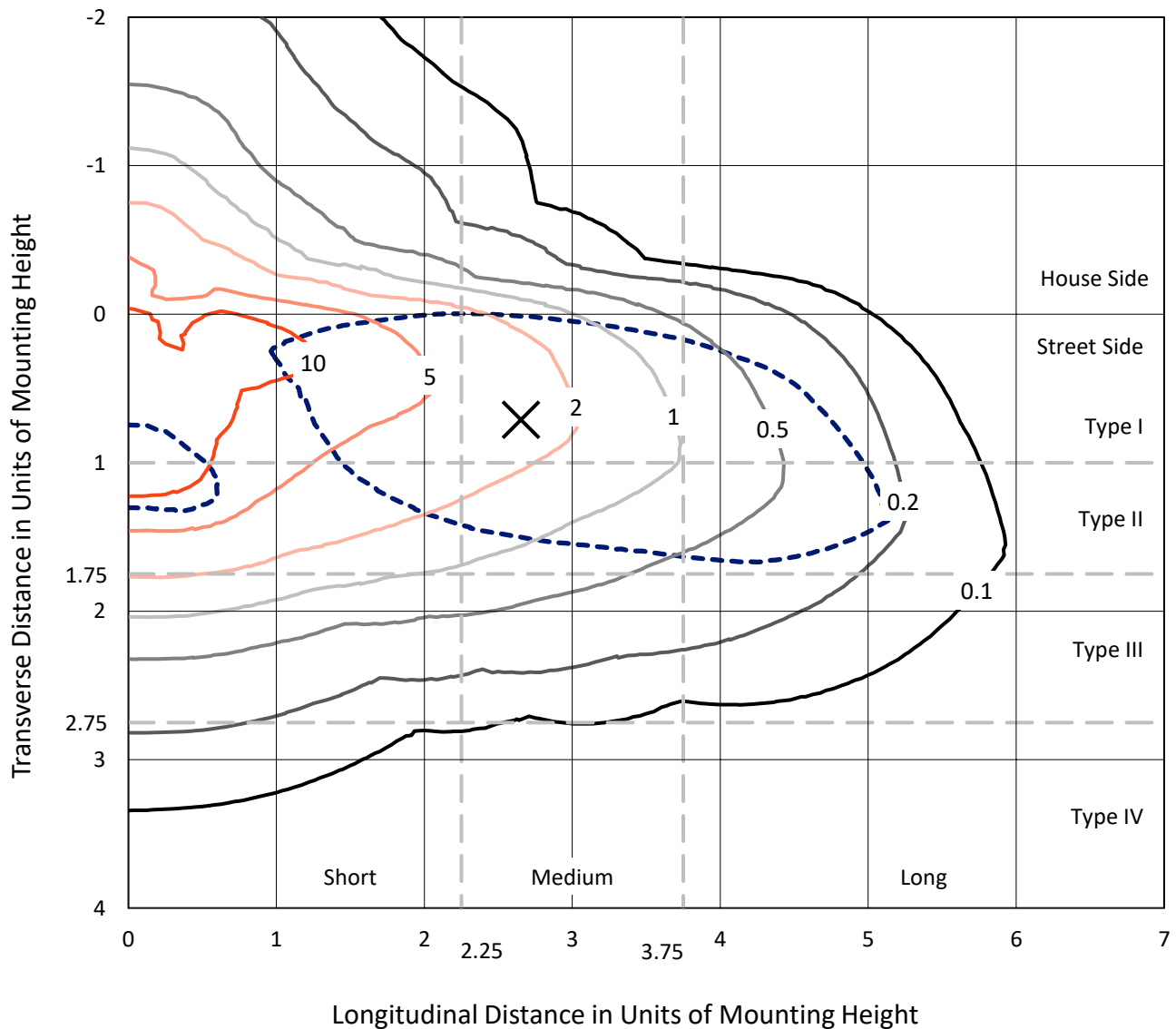


REPORT NUMBER: P559943

CATALOG NUMBER: SDL-PA1-100-830-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

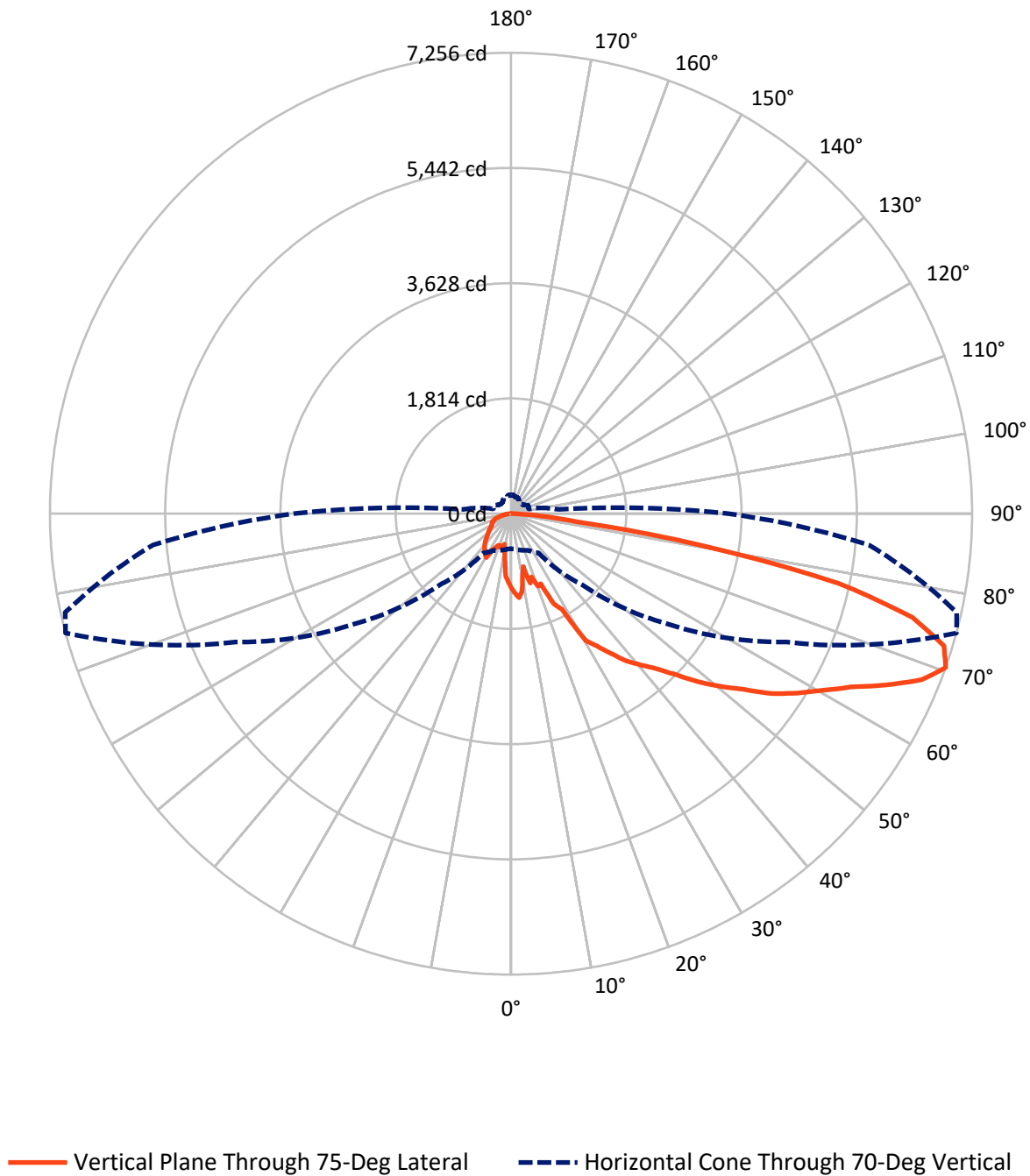


Based on 10 foot mounting height. Maximum calculated value = 18.5 fc
 Type II - Medium - N/A

REPORT NUMBER: P559943

CATALOG NUMBER: SDL-PA1-100-830-U-T2R

Luminous Intensity Polar Plot



REPORT NUMBER: P559943

CATALOG NUMBER: SDL-PA1-100-830-U-T2R

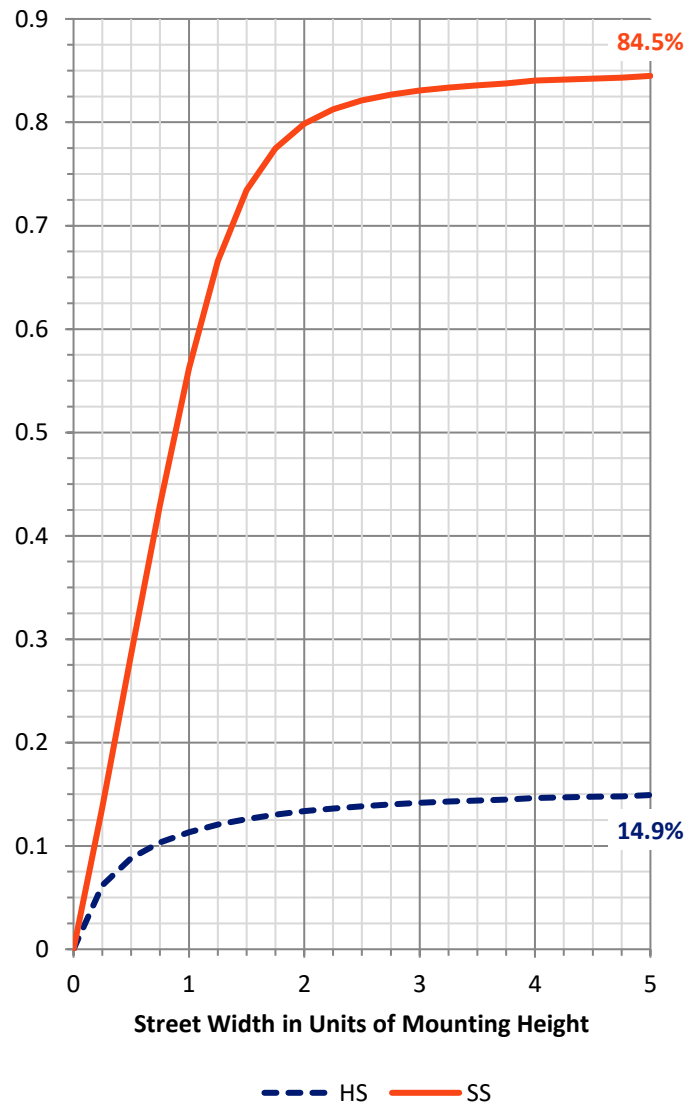
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1235.8	0.0	1235.8
	% Fixture	15.2	0.0	15.2
Street Side	Lumens	6887.8	0.0	6887.8
	% Fixture	84.8	0.0	84.8
Total	Lumens	8123.5	0.0	8123.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	97.1	1.2
10°-20°	258.1	3.2
20°-30°	471.8	5.8
30°-40°	957.8	11.8
40°-50°	1470.0	18.1
50°-60°	1772.1	21.8
60°-70°	1713.8	21.1
70°-80°	1188.8	14.6
80°-90°	194.1	2.4
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°	8123.5	100.0
0°-180°	8123.5	100.0

Coefficient of Utilization



REPORT NUMBER: P559943

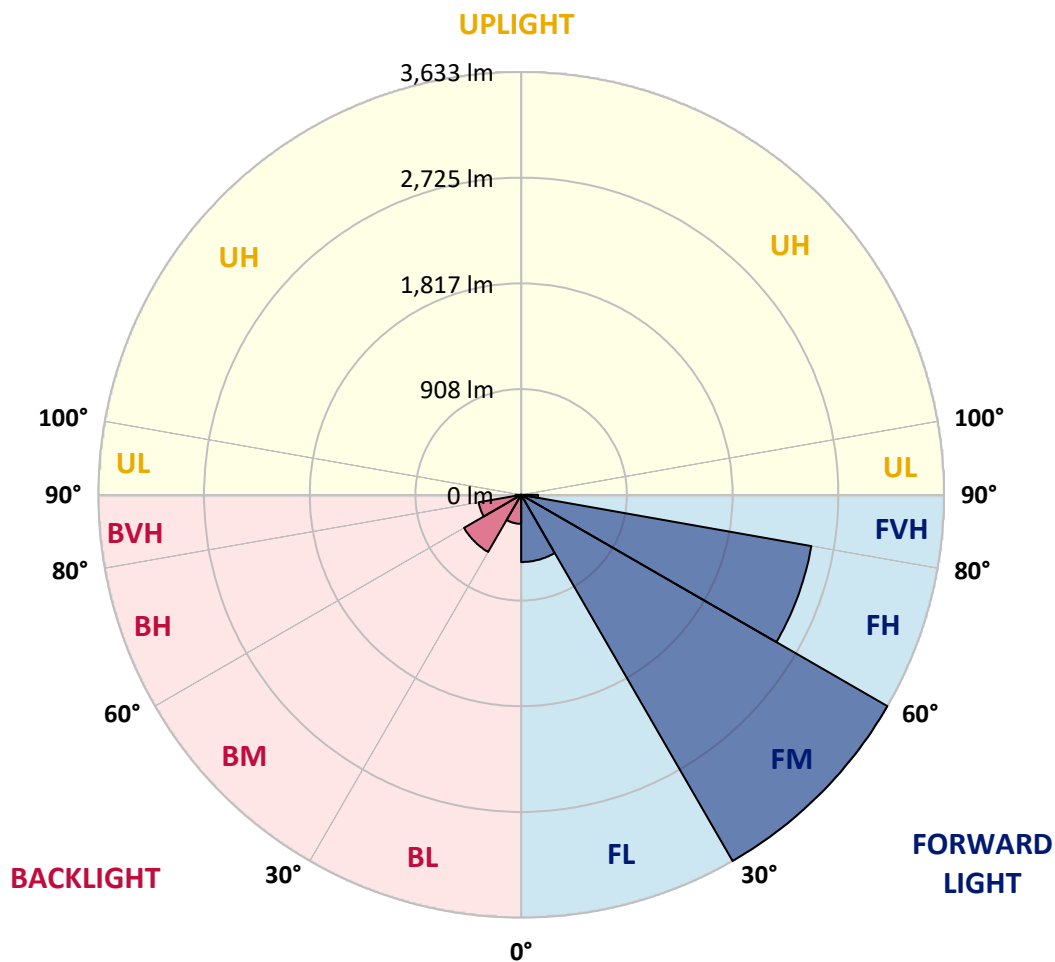
CATALOG NUMBER: SDL-PA1-100-830-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	577.4	7.1			
FM	(30°-60°)	3633.0	44.7			
FH	(60°-80°)	2531.9	31.2			G2/5000
FVH	(80°-90°)	145.4	1.8			G2/225
BL	(0°-30°)	249.5	3.1	B1/500		
BM	(30°-60°)	566.8	7.0	B1/1000		
BH	(60°-80°)	370.7	4.6	B1/500		G1/500
BVH	(80°-90°)	48.7	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Medium



REPORT NUMBER: P559943

CATALOG NUMBER: SDL-PA1-100-830-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	1174.0	1174.0	1174.0	1174.0	1174.0	1174.0	1174.0	1174.0	1174.0	1174.0	1174.0
2.5°	1218.8	1335.3	1278.6	1344.3	1377.1	1356.2	1338.3	1293.5	1254.7	1239.7	1200.9
5°	1344.3	1341.3	1326.3	1320.4	1293.5	1260.6	1233.7	1383.1	1329.3	1302.5	1233.7
7.5°	1191.9	1293.5	1368.2	1407.0	1407.0	1368.2	1326.3	1144.1	1236.7	1212.8	1114.3
10°	1496.6	1496.6	1493.6	1496.6	1227.8	1293.5	1111.3	1033.6	1000.7	1078.4	1000.7
12.5°	1272.6	1383.1	1508.6	1553.4	1430.9	1221.8	1138.2	1093.3	857.3	839.4	887.2
15°	1496.6	1505.6	1517.5	1335.3	1135.2	1296.5	991.8	982.8	1135.2	1108.3	1120.2
17.5°	1200.9	1212.8	1472.7	1439.9	1320.4	982.8	1236.7	1105.3	1048.5	1012.7	1009.7
20°	1514.5	1520.5	1517.5	1138.2	1218.8	1338.3	1281.5	973.9	1221.8	1236.7	1251.7
22.5°	1281.5	1284.5	1299.5	1448.8	1233.7	1395.1	1156.1	1451.8	1197.9	1233.7	932.0
25°	1723.7	1723.7	1669.9	1305.4	1493.6	1272.6	1407.0	1248.7	1571.3	1529.5	1401.0
27.5°	1607.2	1595.2	1532.5	1616.1	1347.3	1610.1	1392.1	1568.3	1705.7	1646.0	1699.8
30°	2258.4	2273.3	2192.7	1678.8	1640.0	1544.4	1604.2	1858.1	2321.1	2288.3	2043.3
32.5°	3023.1	2882.7	2515.3	2174.7	1792.4	1885.0	1792.4	2192.7	2485.4	2491.4	2162.8
35°	3393.5	3381.6	3223.3	2566.1	2061.2	2061.2	2010.4	2288.3	2697.5	2658.7	2291.2
37.5°	3689.3	3671.4	3560.8	2900.6	2303.2	2291.2	2126.9	2434.6	2939.5	2840.9	2431.6
40°	3940.2	3916.3	3820.7	3133.6	2566.1	2509.3	2270.3	2601.9	3127.7	3136.6	2566.1
42.5°	4107.5	4098.5	4029.8	3345.7	2784.1	2682.6	2461.5	2817.0	3327.8	3378.6	2733.4
45°	4238.9	4236.0	4176.2	3578.8	2939.5	2840.9	2664.6	2978.3	3602.7	3632.5	2912.6
47.5°	4253.9	4265.8	4265.8	3695.3	3047.0	2981.3	2873.8	3121.7	3952.2	3889.4	3121.7
50°	4098.5	4110.5	4185.2	3889.4	3139.6	3097.8	3053.0	3295.0	4271.8	4179.2	3342.8
52.5°	3701.2	3728.1	3931.3	3793.8	3187.4	3184.4	3220.3	3519.0	4597.4	4498.8	3635.5
55°	2846.9	2864.8	3369.6	3513.0	3172.5	3205.3	3345.7	3796.8	5000.7	4914.1	3943.2
57.5°	2174.7	2225.5	2542.2	2981.3	3008.2	3187.4	3426.4	3991.0	5326.3	5239.7	4227.0
60°	1750.5	1786.4	1971.6	2357.0	2655.7	3109.8	3536.9	4233.0	5643.0	5601.1	4531.7
62.5°	1371.2	1395.1	1523.5	1777.4	2156.8	2927.5	3605.6	4495.8	6007.4	5986.5	4929.0
65°	982.8	1006.7	1120.2	1287.5	1666.9	2584.0	3572.8	4746.8	6497.3	6476.4	5314.4
67.5°	716.9	722.9	797.6	911.1	1183.0	2091.1	3411.5	4905.1	6975.3	6933.5	5610.1
70°	552.6	558.6	594.5	636.3	755.8	1583.3	3035.1	4785.6	7256.1	7184.4	5654.9
72.5°	448.1	448.1	463.0	483.9	516.8	1033.6	2383.8	4316.6	7124.6	6984.2	5281.5
75°	376.4	376.4	385.4	379.4	361.5	645.3	1657.9	3605.6	6524.2	6348.0	4597.4
77.5°	316.7	313.7	313.7	316.7	280.8	439.1	1012.7	2778.2	5272.5	5102.3	3408.5
80°	259.9	259.9	259.9	259.9	230.0	313.7	603.4	1843.1	3029.1	2643.7	1562.3
82.5°	191.2	194.2	203.1	203.1	191.2	230.0	313.7	770.7	1036.6	917.1	552.6
85°	89.6	92.6	119.5	125.5	122.5	113.5	164.3	346.5	483.9	439.1	128.5
87.5°	3.0	3.0	11.9	26.9	23.9	17.9	32.9	47.8	17.9	20.9	14.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559943

CATALOG NUMBER: SDL-PA1-100-830-U-T2R

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P559943

CATALOG NUMBER: SDL-PA1-100-830-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1174.0	1174.0	1174.0	1174.0	1174.0	1174.0	1174.0	1174.0	1174.0	1174.0	1174.0
2.5°	1174.0	1147.1	1084.4	1030.6	973.9	935.0	848.4	785.7	752.8	746.8	755.8
5°	1180.0	1120.2	994.8	836.4	716.9	687.1	675.1	672.1	669.1	669.1	669.1
7.5°	1039.6	961.9	773.7	657.2	675.1	675.1	675.1	666.2	612.4	588.5	588.5
10°	917.1	815.5	576.5	531.7	534.7	561.6	633.3	708.0	722.9	725.9	728.9
12.5°	794.6	696.0	489.9	516.8	466.0	552.6	654.2	728.9	657.2	621.4	621.4
15°	1000.7	860.3	567.6	454.1	460.0	552.6	498.9	675.1	722.9	725.9	728.9
17.5°	902.2	758.8	528.7	478.0	504.8	421.2	570.6	639.3	588.5	582.5	576.5
20°	1096.3	902.2	552.6	475.0	472.0	510.8	483.9	483.9	657.2	657.2	657.2
22.5°	812.5	669.1	537.7	534.7	451.1	504.8	481.0	537.7	516.8	507.8	507.8
25°	1191.9	944.0	588.5	469.0	483.9	445.1	495.9	442.1	546.7	552.6	552.6
27.5°	1430.9	1108.3	639.3	519.8	445.1	478.0	409.3	445.1	421.2	424.2	424.2
30°	1705.7	1299.5	794.6	543.7	457.1	394.3	406.3	385.4	457.1	448.1	445.1
32.5°	1780.4	1311.4	764.7	576.5	445.1	397.3	367.4	397.3	424.2	463.0	463.0
35°	1867.0	1323.4	722.9	549.7	436.1	370.4	364.4	397.3	430.2	418.2	418.2
37.5°	1947.7	1332.3	690.1	516.8	400.3	361.5	361.5	367.4	400.3	382.4	382.4
40°	2040.3	1335.3	651.2	481.0	370.4	355.5	334.6	340.5	343.5	331.6	328.6
42.5°	2144.9	1332.3	606.4	448.1	343.5	331.6	316.7	316.7	325.6	322.6	319.6
45°	2258.4	1329.3	558.6	409.3	313.7	298.7	289.8	325.6	340.5	340.5	334.6
47.5°	2395.8	1329.3	513.8	364.4	292.8	268.9	262.9	301.7	331.6	337.6	343.5
50°	2554.1	1323.4	472.0	331.6	271.8	250.9	259.9	298.7	322.6	331.6	328.6
52.5°	2760.2	1311.4	436.1	304.7	256.9	230.0	245.0	289.8	319.6	322.6	319.6
55°	2939.5	1269.6	400.3	292.8	245.0	218.1	236.0	286.8	313.7	313.7	313.7
57.5°	3091.8	1209.8	370.4	283.8	242.0	215.1	233.0	283.8	301.7	310.7	310.7
60°	3277.0	1135.2	349.5	280.8	239.0	212.1	230.0	280.8	295.7	307.7	307.7
62.5°	3468.2	1072.4	337.6	280.8	230.0	215.1	230.0	280.8	292.8	307.7	304.7
65°	3623.6	991.8	325.6	286.8	227.0	215.1	230.0	280.8	289.8	304.7	304.7
67.5°	3614.6	881.2	310.7	301.7	230.0	218.1	230.0	277.8	283.8	304.7	298.7
70°	3411.5	752.8	286.8	298.7	239.0	218.1	227.0	268.9	271.8	298.7	289.8
72.5°	3044.0	609.4	253.9	280.8	239.0	221.1	221.1	256.9	256.9	286.8	268.9
75°	2548.1	469.0	209.1	247.9	227.0	227.0	209.1	242.0	236.0	253.9	236.0
77.5°	1899.9	355.5	161.3	206.1	206.1	224.0	200.1	224.0	215.1	218.1	209.1
80°	791.6	215.1	122.5	161.3	176.2	218.1	191.2	203.1	182.2	182.2	176.2
82.5°	328.6	137.4	83.6	101.6	119.5	194.2	182.2	173.3	149.4	137.4	128.5
85°	119.5	74.7	56.8	68.7	77.7	134.4	131.4	110.5	86.6	95.6	77.7
87.5°	9.0	11.9	11.9	14.9	14.9	17.9	29.9	29.9	17.9	14.9	9.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P559943

CATALOG NUMBER: SDL-PA1-100-830-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)