

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: P559946

Luminaire Tested: **SDL-PA1-100-830-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559946
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-6)
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-T2U-HSS
Description: Springdale
(1) 80 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5924.6 lumens
Efficiency: N/A
Efficacy: 63.2 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
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



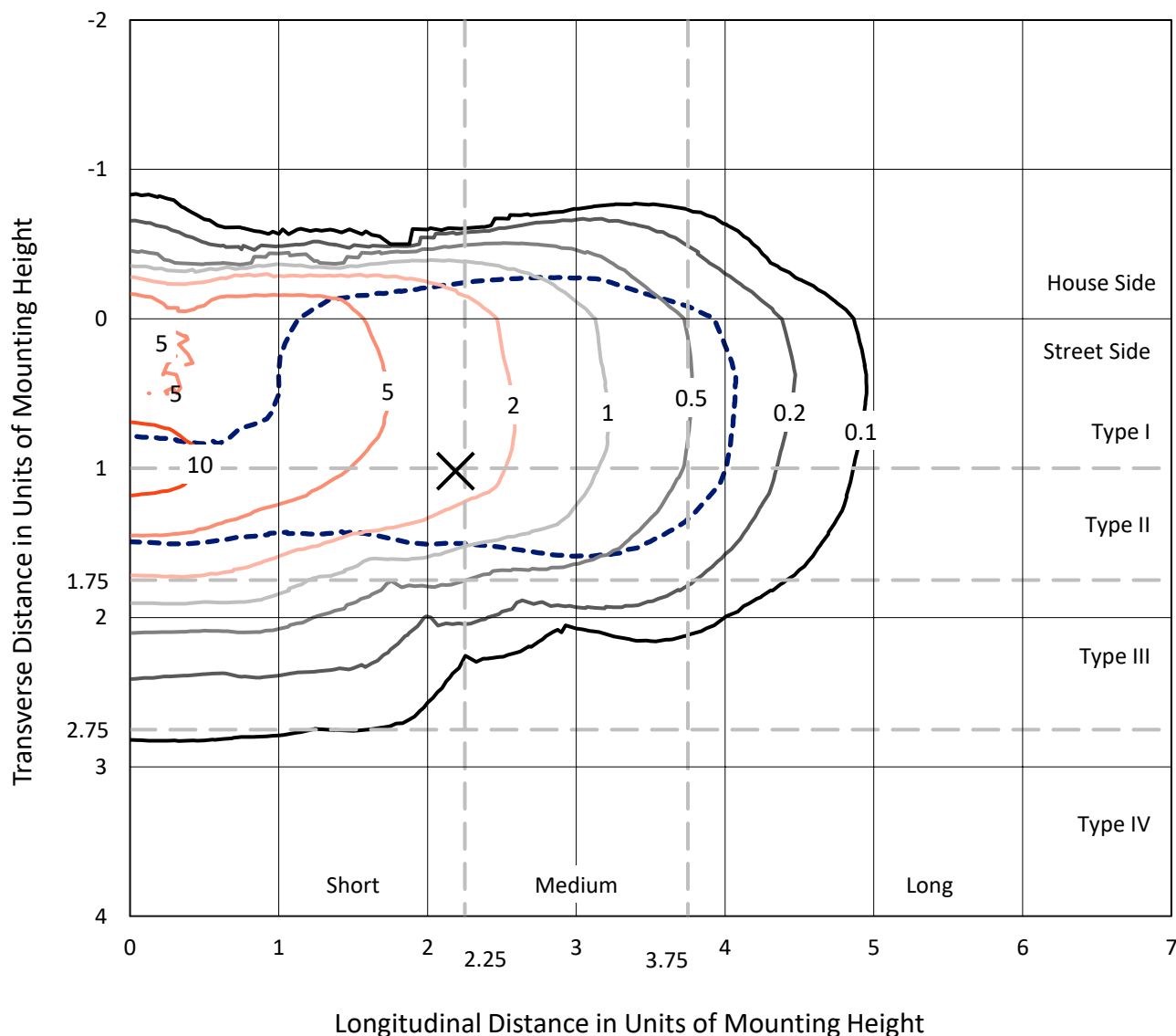
REPORT NUMBER: P559946

CATALOG NUMBER: SDL-PA1-100-830-U-T2U-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

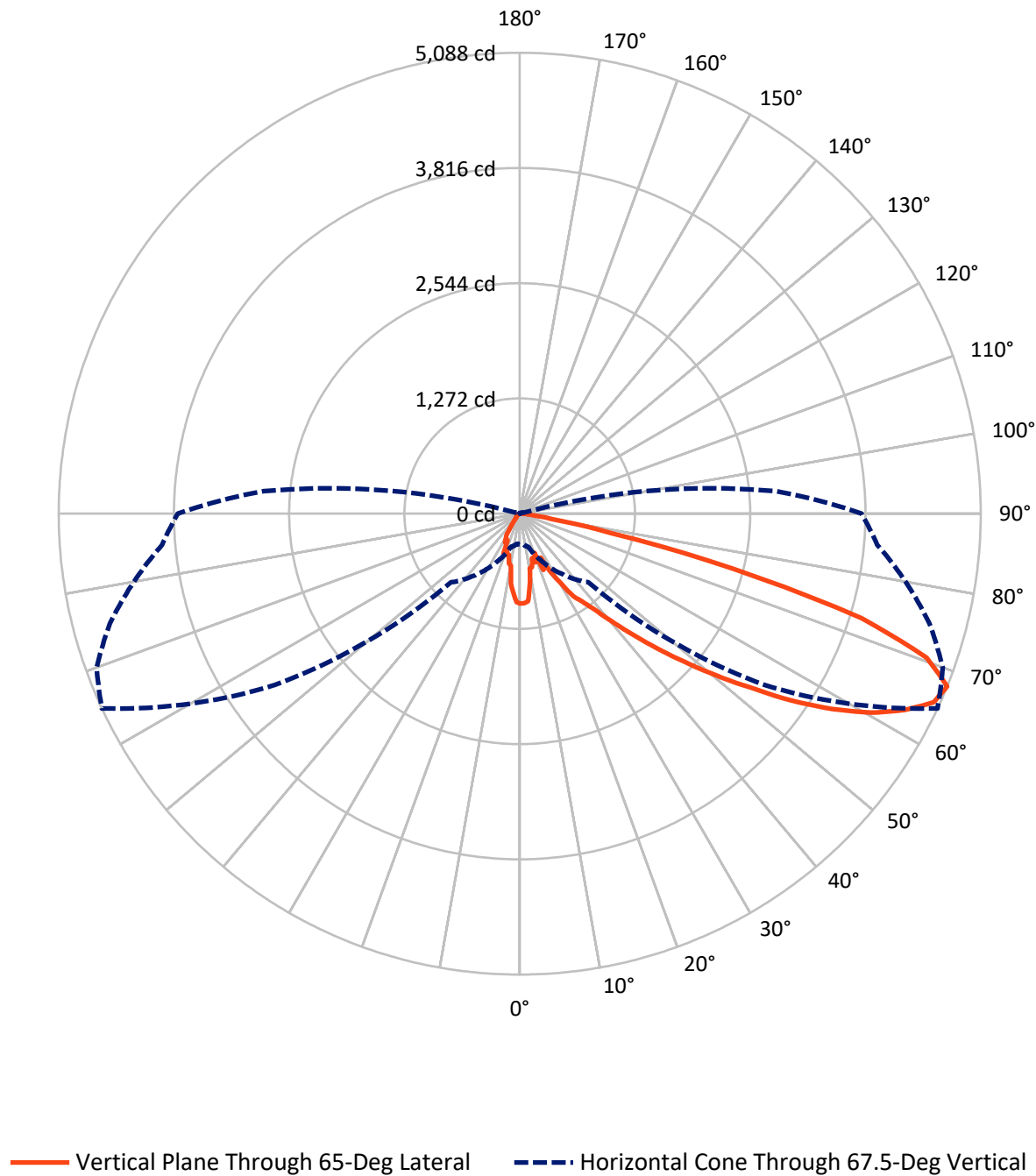


Based on 10 foot mounting height. Maximum calculated value = 13.1 fc
 Type II - Short - N/A

REPORT NUMBER: P559946

CATALOG NUMBER: SDL-PA1-100-830-U-T2U-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P559946

CATALOG NUMBER: SDL-PA1-100-830-U-T2U-HSS

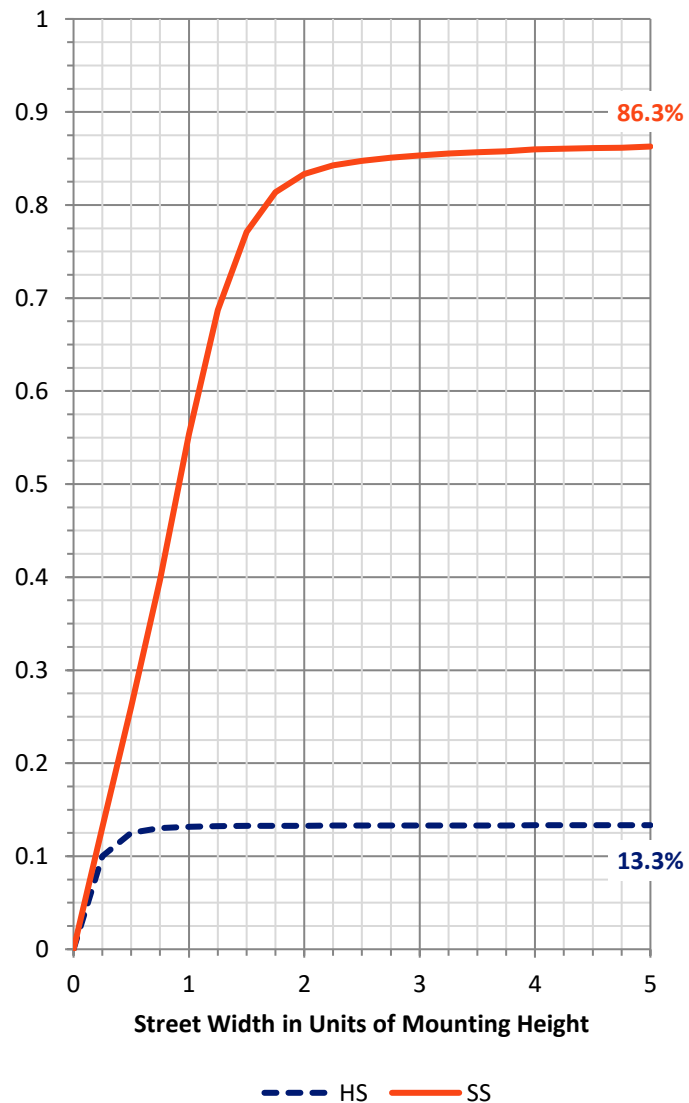
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	801.1	0.0	801.1
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	5123.4	0.0	5123.4
	% Fixture	86.5	0.0	86.5
Total	Lumens	5924.6	0.0	5924.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.2	1.3
10°-20°	147.3	2.5
20°-30°	222.4	3.8
30°-40°	512.2	8.6
40°-50°	1123.6	19.0
50°-60°	1649.5	27.8
60°-70°	1432.7	24.2
70°-80°	710.4	12.0
80°-90°	50.5	0.9
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°	5924.6	100.0
0°-180°	5924.6	100.0

Coefficient of Utilization



REPORT NUMBER: P559946

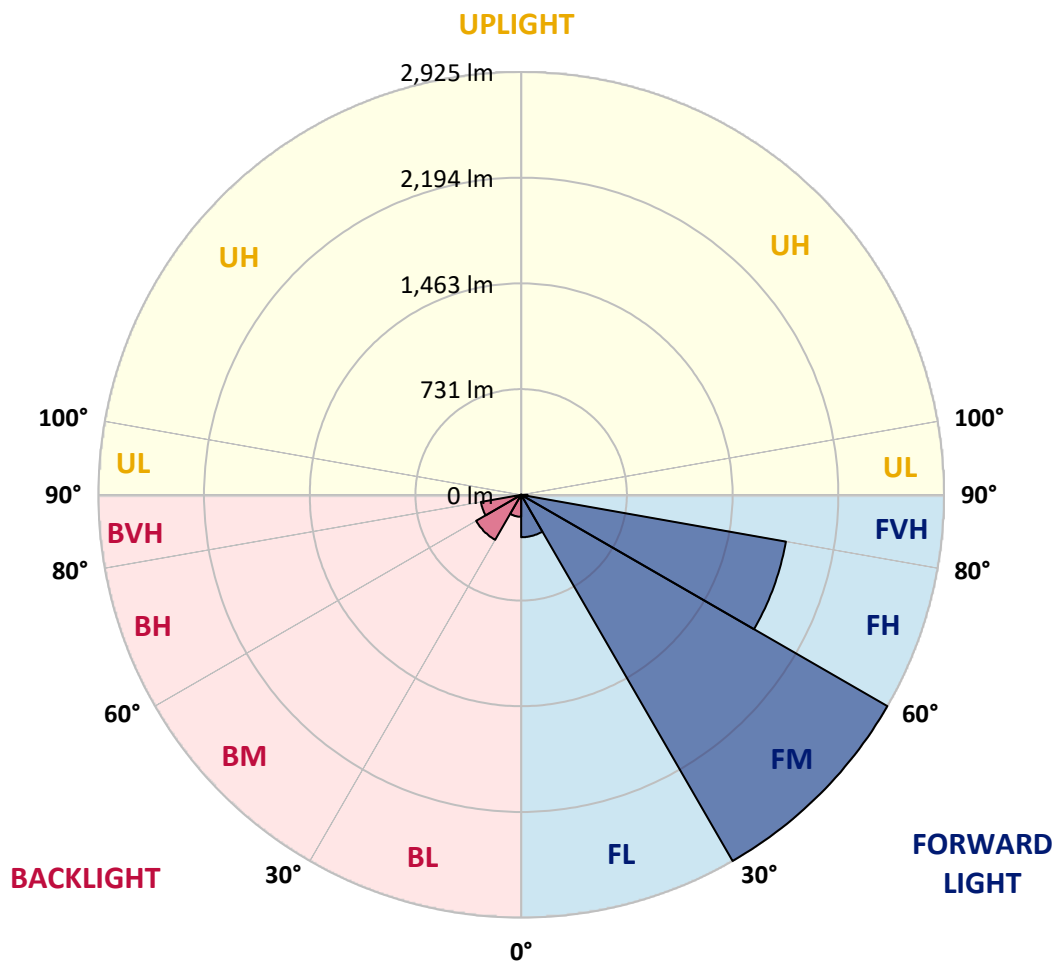
CATALOG NUMBER: SDL-PA1-100-830-U-T2U-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	293.6	5.0			
FM	(30°-60°)	2925.4	49.4			
FH	(60°-80°)	1860.0	31.4			G2/5000
FVH	(80°-90°)	44.4	0.7			G1/100
BL	(0°-30°)	152.2	2.6	B1/500		
BM	(30°-60°)	359.8	6.1	B1/1000		
BH	(60°-80°)	283.0	4.8	B1/500		G1/500
BVH	(80°-90°)	6.1	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 II Short



REPORT NUMBER: P559946

CATALOG NUMBER: SDL-PA1-100-830-U-T2U-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	991.9	991.9	991.9	991.9	991.9	991.9	991.9	991.9	991.9	991.9	991.9
2.5°	830.6	899.3	920.2	941.1	959.0	977.0	979.9	982.9	988.9	991.9	994.9
5°	812.6	815.6	815.6	812.6	815.6	818.6	818.6	818.6	818.6	818.6	821.6
7.5°	651.3	729.0	752.9	773.8	785.7	794.7	800.7	803.7	806.7	809.6	812.6
10°	785.7	782.8	785.7	785.7	788.7	788.7	720.0	651.3	675.2	696.1	660.3
12.5°	624.4	687.2	714.0	740.9	758.9	773.8	743.9	711.1	648.3	582.6	585.6
15°	752.9	752.9	752.9	752.9	696.1	636.4	597.5	555.7	588.6	618.4	558.7
17.5°	606.5	606.5	660.3	714.0	714.0	711.1	672.2	630.4	546.7	463.1	537.8
20°	749.9	749.9	752.9	755.9	657.3	558.7	591.6	621.4	633.4	645.3	618.4
22.5°	612.5	612.5	621.4	627.4	663.3	699.1	603.5	507.9	585.6	663.3	609.5
25°	791.7	794.7	800.7	803.7	714.0	621.4	663.3	705.1	621.4	537.8	621.4
27.5°	717.0	705.1	705.1	702.1	732.0	758.9	699.1	639.4	693.1	746.9	684.2
30°	1006.8	997.9	985.9	974.0	860.4	746.9	749.9	749.9	729.0	708.1	743.9
32.5°	1395.2	1380.3	1278.7	1177.1	1093.5	1009.8	923.2	836.5	866.4	893.3	875.4
35°	1873.2	1873.2	1777.6	1682.0	1493.8	1305.6	1159.2	1009.8	997.9	985.9	1003.8
37.5°	2440.9	2381.1	2267.6	2154.1	1921.0	1685.0	1460.9	1236.9	1210.0	1180.1	1150.2
40°	2862.1	2853.2	2766.5	2679.9	2393.1	2106.3	1843.4	1577.5	1490.8	1401.2	1335.5
42.5°	3301.3	3268.5	3199.7	3128.0	2838.2	2545.5	2264.6	1980.8	1861.3	1741.8	1625.3
45°	3618.0	3609.1	3549.3	3489.5	3253.5	3014.5	2721.7	2426.0	2348.3	2270.6	2052.5
47.5°	3815.2	3764.4	3740.5	3713.6	3510.5	3307.3	3059.3	2808.4	2796.4	2781.5	2506.6
50°	3755.4	3710.6	3716.6	3722.6	3624.0	3525.4	3337.2	3146.0	3178.8	3211.7	2984.6
52.5°	3438.8	3399.9	3453.7	3504.5	3501.5	3498.5	3429.8	3358.1	3477.6	3594.1	3438.8
55°	2805.4	2832.3	2939.8	3047.4	3119.1	3187.8	3286.4	3382.0	3609.1	3833.1	3803.2
57.5°	2198.9	2258.6	2369.2	2476.7	2593.3	2706.8	2915.9	3125.1	3507.5	3886.9	4018.4
60°	1475.9	1514.7	1708.9	1900.1	2007.7	2115.2	2342.3	2566.4	3086.2	3603.1	3946.7
62.5°	917.2	938.1	1048.7	1159.2	1377.3	1595.4	1708.9	1819.5	2381.1	2939.8	3576.2
65°	564.7	558.7	603.5	645.3	860.4	1072.6	1147.2	1219.0	1592.4	1962.9	2951.8
67.5°	337.6	334.6	358.5	382.4	481.0	579.6	696.1	812.6	944.1	1072.6	2186.9
70°	274.9	280.8	289.8	298.8	325.7	352.5	460.1	567.6	564.7	561.7	1314.6
72.5°	230.0	236.0	253.9	268.9	289.8	307.7	370.5	430.2	403.3	376.4	627.4
75°	170.3	173.3	197.2	218.1	251.0	280.8	295.8	307.7	295.8	283.8	316.7
77.5°	113.5	113.5	134.4	155.4	188.2	221.1	239.0	256.9	236.0	215.1	224.1
80°	71.7	71.7	83.7	92.6	125.5	158.3	179.3	200.2	182.2	161.3	158.3
82.5°	41.8	44.8	50.8	56.8	77.7	98.6	113.5	128.5	149.4	167.3	134.4
85°	17.9	20.9	26.9	29.9	41.8	50.8	59.8	68.7	86.6	104.6	86.6
87.5°	3.0	3.0	6.0	9.0	12.0	14.9	14.9	14.9	14.9	12.0	14.9
90°	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0

REPORT NUMBER: P559946

CATALOG NUMBER: SDL-PA1-100-830-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	991.9	991.9	991.9	991.9	991.9	991.9	991.9	991.9	991.9	991.9	991.9
2.5°	994.9	991.9	988.9	988.9	988.9	985.9	982.9	982.9	982.9	979.9	977.0
5°	821.6	896.3	971.0	974.0	979.9	977.0	974.0	971.0	968.0	965.0	959.0
7.5°	812.6	806.7	800.7	779.8	851.5	851.5	848.5	848.5	842.5	818.6	794.7
10°	621.4	618.4	612.5	621.4	636.4	687.2	735.0	732.0	723.0	666.2	609.5
12.5°	588.6	597.5	606.5	576.6	519.8	567.6	615.5	609.5	603.5	552.7	498.9
15°	498.9	504.9	510.9	558.7	645.3	690.1	732.0	726.0	720.0	660.3	597.5
17.5°	612.5	588.6	564.7	597.5	567.6	588.6	609.5	585.6	567.6	543.7	519.8
20°	588.6	525.8	463.1	558.7	669.2	705.1	740.9	732.0	714.0	657.3	597.5
22.5°	552.7	615.5	675.2	645.3	591.6	558.7	525.8	510.9	498.9	501.9	504.9
25°	702.1	621.4	537.8	681.2	767.8	779.8	788.7	761.8	732.0	669.2	603.5
27.5°	618.4	678.2	735.0	791.7	821.6	830.6	836.5	875.4	812.6	729.0	645.3
30°	779.8	830.6	881.4	1006.8	1108.4	1126.3	1144.3	1099.4	1048.7	947.1	845.5
32.5°	857.4	974.0	1087.5	1147.2	1189.1	1204.0	1219.0	1159.2	1102.4	971.0	836.5
35°	1018.8	1105.4	1192.1	1260.8	1341.4	1344.4	1347.4	1281.7	1210.0	1018.8	827.6
37.5°	1117.4	1230.9	1341.4	1419.1	1544.6	1535.6	1526.7	1449.0	1362.4	1093.5	824.6
40°	1266.8	1413.1	1556.6	1631.2	1783.6	1756.7	1729.8	1640.2	1544.6	1174.1	803.7
42.5°	1508.8	1664.1	1819.5	1882.2	2049.5	2019.6	1986.8	1867.3	1744.8	1239.9	735.0
45°	1831.4	1971.8	2112.3	2222.8	2354.3	2306.4	2258.6	2130.2	1950.9	1296.6	642.3
47.5°	2228.8	2333.3	2437.9	2656.0	2751.6	2656.0	2557.4	2402.1	2175.0	1344.4	513.9
50°	2757.6	2781.5	2802.4	3074.3	3169.9	3023.5	2877.1	2676.9	2405.0	1398.2	388.4
52.5°	3280.4	3235.6	3187.8	3480.6	3516.4	3322.2	3125.1	2915.9	2575.3	1428.1	277.8
55°	3773.4	3710.6	3644.9	3854.0	3830.1	3573.2	3316.3	3062.3	2679.9	1437.0	194.2
57.5°	4149.8	4111.0	4069.1	4164.8	4075.1	3773.4	3471.6	3217.7	2757.6	1452.0	143.4
60°	4287.2	4373.9	4460.5	4448.6	4284.3	3964.6	3644.9	3376.0	2805.4	1458.0	107.6
62.5°	4212.6	4493.4	4771.2	4657.7	4457.5	4119.9	3779.3	3519.4	2826.3	1455.0	83.7
65°	3940.7	4481.4	5019.2	4831.0	4580.0	4242.4	3904.8	3671.8	2850.2	1458.0	65.7
67.5°	3298.3	4194.6	5087.9	4968.4	4681.6	4323.1	3961.6	3773.4	2838.2	1446.0	53.8
70°	2064.5	3414.9	4765.3	4857.9	4681.6	4287.2	3892.9	3743.5	2730.7	1386.3	41.8
72.5°	875.4	2411.0	3946.7	4350.0	4472.5	4090.1	3707.6	3522.4	2500.6	1266.8	32.9
75°	346.6	1386.3	2426.0	3065.3	3441.7	3280.4	3116.1	2868.1	1640.2	833.5	23.9
77.5°	233.0	633.4	1033.7	1505.8	1795.6	1858.3	1921.0	1637.2	654.3	337.6	17.9
80°	155.4	253.9	352.5	540.8	645.3	609.5	570.6	469.1	200.2	107.6	14.9
82.5°	98.6	131.5	164.3	185.2	191.2	137.4	83.7	68.7	23.9	17.9	9.0
85°	65.7	77.7	89.6	92.6	92.6	65.7	35.9	17.9	9.0	9.0	6.0
87.5°	17.9	20.9	20.9	20.9	14.9	12.0	9.0	6.0	6.0	6.0	6.0
90°	9.0	12.0	12.0	12.0	9.0	9.0	6.0	6.0	6.0	6.0	6.0

REPORT NUMBER: P559946

CATALOG NUMBER: SDL-PA1-100-830-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	991.9	991.9	991.9	991.9	991.9	991.9	991.9	991.9	991.9	991.9	991.9
2.5°	977.0	977.0	974.0	971.0	971.0	968.0	938.1	905.3	875.4	842.5	839.5
5°	920.2	878.4	839.5	800.7	794.7	785.7	785.7	782.8	782.8	779.8	779.8
7.5°	788.7	782.8	776.8	770.8	767.8	761.8	758.9	752.9	749.9	743.9	711.1
10°	597.5	582.6	582.6	579.6	585.6	591.6	588.6	582.6	621.4	660.3	657.3
12.5°	531.8	561.7	534.8	504.9	513.9	519.8	528.8	537.8	534.8	528.8	484.0
15°	534.8	469.1	448.1	424.2	436.2	445.2	367.5	286.8	271.9	256.9	239.0
17.5°	498.9	478.0	463.1	445.2	340.6	233.0	209.1	185.2	164.3	140.4	137.4
20°	504.9	409.3	382.4	352.5	271.9	191.2	146.4	101.6	89.6	77.7	89.6
22.5°	493.0	478.0	349.6	221.1	164.3	107.6	89.6	68.7	74.7	80.7	80.7
25°	463.1	322.7	251.0	179.3	125.5	68.7	71.7	71.7	65.7	56.8	62.7
27.5°	501.9	355.5	227.1	95.6	83.7	68.7	62.7	53.8	53.8	53.8	50.8
30°	579.6	310.7	194.2	77.7	65.7	53.8	50.8	47.8	44.8	38.8	41.8
32.5°	549.7	262.9	164.3	65.7	56.8	47.8	41.8	35.9	35.9	35.9	35.9
35°	498.9	167.3	113.5	56.8	47.8	38.8	35.9	29.9	29.9	29.9	29.9
37.5°	466.1	107.6	77.7	44.8	38.8	32.9	29.9	23.9	23.9	23.9	26.9
40°	439.2	74.7	56.8	38.8	32.9	23.9	20.9	17.9	20.9	20.9	20.9
42.5°	400.3	62.7	47.8	32.9	26.9	20.9	17.9	14.9	17.9	17.9	17.9
45°	349.6	56.8	41.8	26.9	23.9	17.9	14.9	12.0	14.9	14.9	14.9
47.5°	280.8	47.8	35.9	23.9	20.9	14.9	14.9	12.0	12.0	12.0	12.0
50°	218.1	44.8	32.9	20.9	17.9	12.0	12.0	9.0	12.0	12.0	12.0
52.5°	158.3	38.8	29.9	17.9	14.9	9.0	9.0	9.0	9.0	9.0	9.0
55°	113.5	32.9	23.9	14.9	12.0	9.0	9.0	6.0	9.0	9.0	9.0
57.5°	86.6	29.9	20.9	12.0	9.0	6.0	6.0	6.0	6.0	6.0	6.0
60°	68.7	26.9	20.9	12.0	9.0	6.0	6.0	3.0	6.0	6.0	6.0
62.5°	53.8	20.9	17.9	12.0	9.0	6.0	6.0	3.0	6.0	6.0	6.0
65°	41.8	17.9	14.9	9.0	6.0	3.0	3.0	3.0	6.0	6.0	6.0
67.5°	35.9	14.9	12.0	9.0	6.0	3.0	6.0	6.0	6.0	6.0	6.0
70°	29.9	14.9	12.0	9.0	6.0	3.0	6.0	6.0	9.0	9.0	6.0
72.5°	23.9	12.0	9.0	6.0	6.0	3.0	6.0	6.0	9.0	9.0	6.0
75°	17.9	9.0	9.0	6.0	6.0	3.0	6.0	9.0	9.0	9.0	6.0
77.5°	14.9	9.0	9.0	6.0	6.0	3.0	6.0	9.0	9.0	9.0	9.0
80°	12.0	6.0	6.0	6.0	3.0	0.0	6.0	12.0	12.0	9.0	9.0
82.5°	9.0	6.0	6.0	6.0	3.0	0.0	6.0	12.0	12.0	9.0	9.0
85°	6.0	6.0	6.0	6.0	6.0	3.0	9.0	12.0	12.0	9.0	9.0
87.5°	6.0	6.0	6.0	6.0	6.0	3.0	6.0	9.0	9.0	9.0	9.0
90°	6.0	6.0	9.0	9.0	6.0	3.0	6.0	9.0	9.0	9.0	9.0

REPORT NUMBER: P559946

CATALOG NUMBER: SDL-PA1-100-830-U-T2U-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	991.9	991.9	991.9	991.9
2.5°	833.5	839.5	842.5	836.5
5°	776.8	776.8	773.8	782.8
7.5°	675.2	657.3	636.4	621.4
10°	651.3	636.4	621.4	624.4
12.5°	436.2	391.4	346.6	361.5
15°	221.1	209.1	197.2	197.2
17.5°	131.5	119.5	104.6	107.6
20°	98.6	98.6	98.6	98.6
22.5°	77.7	74.7	68.7	65.7
25°	65.7	65.7	65.7	65.7
27.5°	47.8	47.8	44.8	41.8
30°	41.8	41.8	41.8	38.8
32.5°	32.9	35.9	35.9	35.9
35°	29.9	29.9	29.9	29.9
37.5°	26.9	26.9	23.9	23.9
40°	20.9	20.9	20.9	20.9
42.5°	17.9	17.9	17.9	17.9
45°	14.9	14.9	14.9	14.9
47.5°	12.0	12.0	12.0	12.0
50°	12.0	12.0	9.0	9.0
52.5°	9.0	9.0	6.0	6.0
55°	6.0	6.0	6.0	6.0
57.5°	6.0	6.0	3.0	3.0
60°	6.0	6.0	3.0	3.0
62.5°	3.0	3.0	3.0	3.0
65°	3.0	3.0	0.0	0.0
67.5°	3.0	3.0	0.0	0.0
70°	3.0	3.0	0.0	0.0
72.5°	3.0	3.0	0.0	0.0
75°	3.0	3.0	0.0	0.0
77.5°	6.0	3.0	0.0	0.0
80°	6.0	6.0	3.0	0.0
82.5°	6.0	6.0	3.0	0.0
85°	6.0	6.0	3.0	0.0
87.5°	6.0	6.0	3.0	0.0
90°	6.0	6.0	3.0	0.0

(END OF REPORT)