

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: P559950

Luminaire Tested: **SDL-PA1-100-830-U-T3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559950
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-2)
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-T3-HSS
Description: Springdale
(1) 80 CRI, 3000K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6079.3 lumens
Efficiency: N/A
Efficacy: 64.8 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): 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

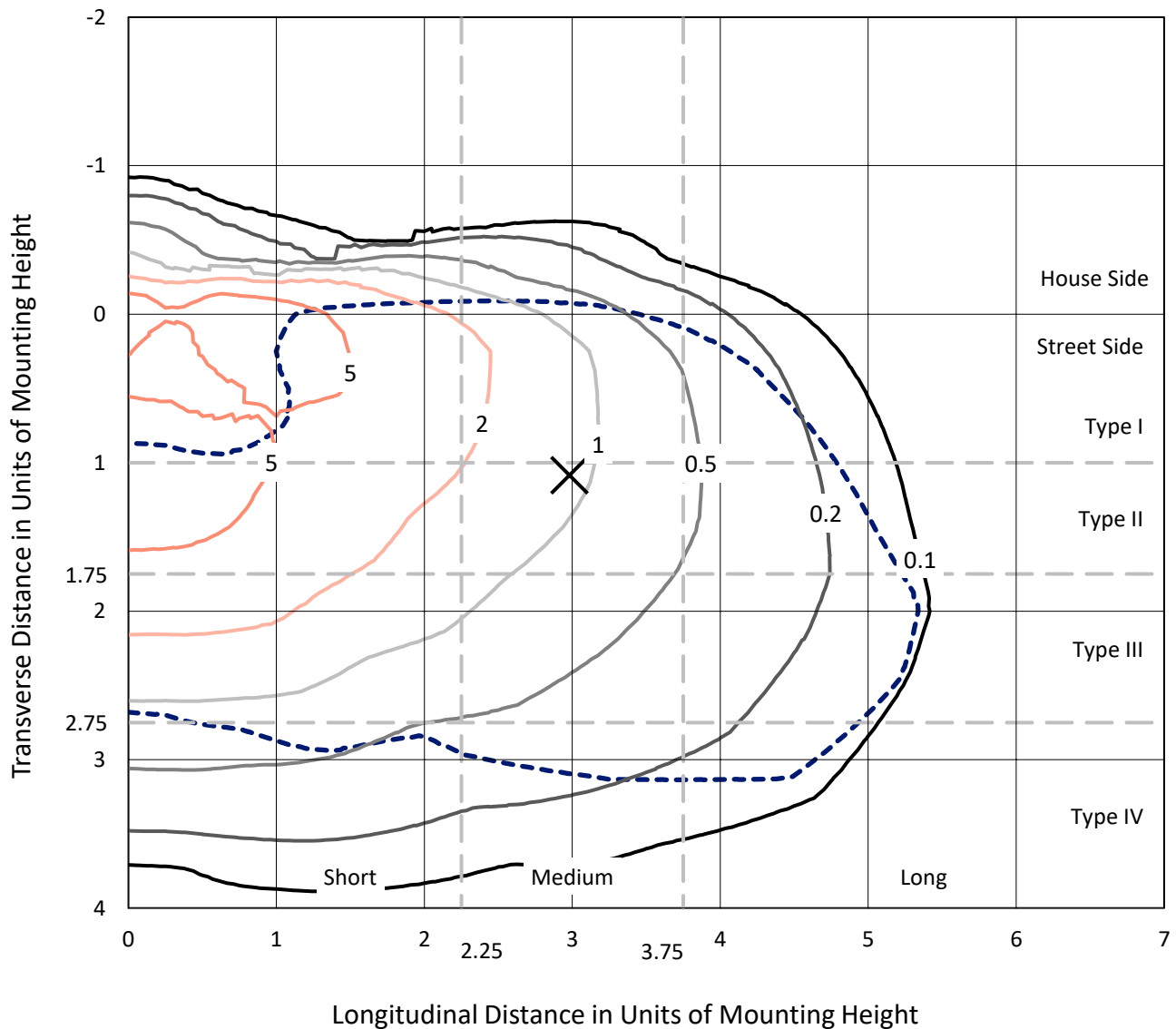


REPORT NUMBER: P559950

CATALOG NUMBER: SDL-PA1-100-830-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

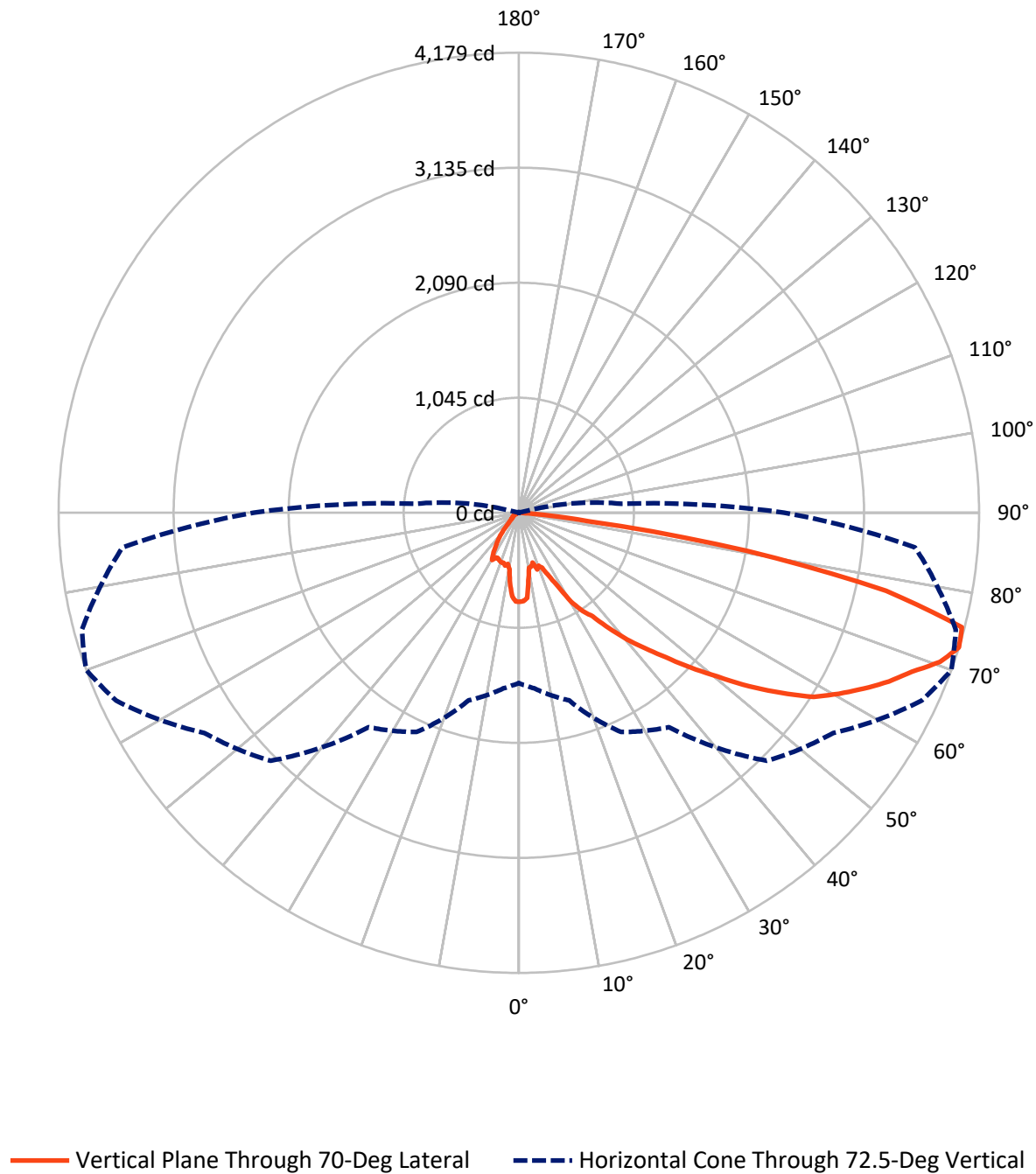


Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
 Type IV - Medium - N/A

REPORT NUMBER: P559950

CATALOG NUMBER: SDL-PA1-100-830-U-T3-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P559950

CATALOG NUMBER: SDL-PA1-100-830-U-T3-HSS

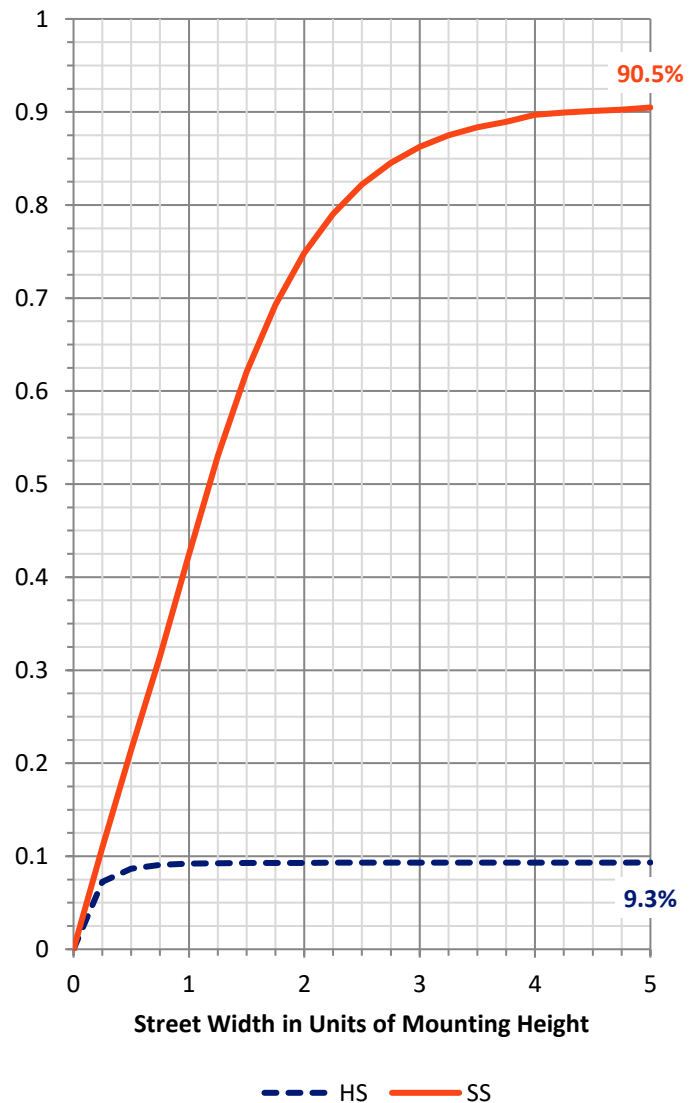
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	573.2	0.0	573.2
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	5506.1	0.0	5506.1
	% Fixture	90.6	0.0	90.6
Total	Lumens	6079.3	0.0	6079.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	62.3	1.0
10°-20°	124.5	2.0
20°-30°	202.8	3.3
30°-40°	432.8	7.1
40°-50°	833.9	13.7
50°-60°	1379.2	22.7
60°-70°	1688.2	27.8
70°-80°	1236.8	20.3
80°-90°	118.8	2.0
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°	6079.3	100.0
0°-180°	6079.3	100.0

Coefficient of Utilization



REPORT NUMBER: P559950

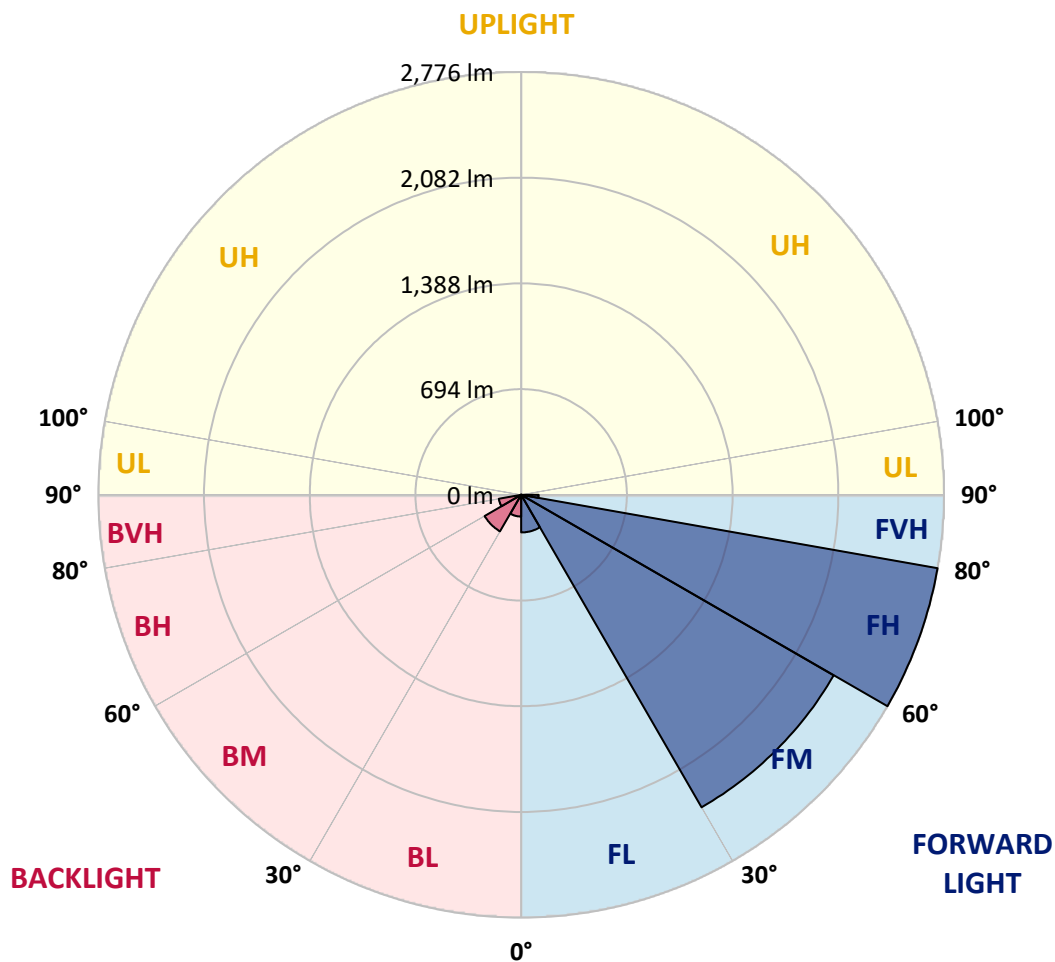
CATALOG NUMBER: SDL-PA1-100-830-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	246.8	4.1			
FM	(30°-60°)	2368.9	39.0			
FH	(60°-80°)	2775.8	45.7			G2/5000
FVH	(80°-90°)	114.6	1.9			G2/225
BL	(0°-30°)	142.7	2.3	B1/500		
BM	(30°-60°)	277.0	4.6	B1/1000		
BH	(60°-80°)	149.3	2.5	B1/500		G1/500
BVH	(80°-90°)	4.2	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: P559950

CATALOG NUMBER: SDL-PA1-100-830-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	809.0	809.0	809.0	809.0	809.0	809.0	809.0	809.0	809.0	809.0	809.0
2.5°	719.5	740.4	752.3	764.2	761.2	758.3	764.2	770.2	782.1	791.1	797.1
5°	647.8	647.8	647.8	647.8	650.8	650.8	650.8	650.8	653.8	656.8	659.7
7.5°	561.2	573.2	579.1	585.1	600.0	612.0	623.9	635.9	641.8	644.8	647.8
10°	609.0	609.0	609.0	609.0	612.0	612.0	573.2	531.4	534.4	537.4	519.4
12.5°	504.5	501.5	534.4	564.2	585.1	603.0	582.1	558.2	522.4	483.6	477.6
15°	594.1	594.1	594.1	594.1	552.3	510.5	480.6	450.8	474.7	495.6	447.8
17.5°	468.7	480.6	516.5	552.3	552.3	552.3	525.4	498.5	447.8	394.1	450.8
20°	582.1	582.1	582.1	579.1	510.5	441.8	465.7	486.6	507.5	528.4	519.4
22.5°	483.6	477.6	486.6	495.6	516.5	534.4	474.7	412.0	480.6	546.3	513.5
25°	612.0	612.0	615.0	615.0	549.3	483.6	522.4	558.2	507.5	456.7	537.4
27.5°	552.3	534.4	531.4	525.4	546.3	564.2	537.4	510.5	567.2	623.9	597.1
30°	767.2	767.2	746.3	725.4	644.8	561.2	570.2	576.2	576.2	576.2	635.9
32.5°	1065.7	1068.7	988.1	904.5	832.9	758.3	692.6	623.9	659.7	695.6	734.4
35°	1435.9	1444.9	1388.2	1328.5	1152.3	976.2	865.7	755.3	752.3	746.3	803.0
37.5°	1701.6	1719.5	1674.7	1630.0	1421.0	1212.0	1053.8	895.6	880.7	862.7	883.6
40°	1952.4	1940.4	1913.6	1883.7	1662.8	1438.9	1265.8	1089.6	1050.8	1009.0	1012.0
42.5°	2277.8	2242.0	2173.3	2104.6	1892.7	1680.7	1495.6	1310.5	1247.9	1185.2	1173.2
45°	2698.7	2639.0	2540.5	2439.0	2230.0	2021.0	1794.2	1564.3	1486.7	1406.1	1388.2
47.5°	2913.6	2871.9	2809.2	2743.5	2528.5	2313.6	2095.7	1874.8	1767.3	1656.8	1627.0
50°	3167.4	3113.7	3071.9	3027.1	2842.0	2653.9	2450.9	2244.9	2101.6	1958.4	1907.6
52.5°	3409.2	3319.6	3280.8	3239.0	3092.8	2943.5	2731.5	2519.6	2427.0	2331.5	2209.1
55°	3495.8	3409.2	3391.3	3373.4	3268.9	3164.4	2970.4	2776.3	2668.9	2558.4	2459.9
57.5°	3307.7	3319.6	3373.4	3427.1	3367.4	3307.7	3149.5	2988.3	2868.9	2749.5	2692.7
60°	3179.3	3206.2	3286.8	3367.4	3367.4	3367.4	3280.8	3194.3	3080.8	2967.4	2928.6
62.5°	2973.4	3006.2	3128.6	3251.0	3328.6	3406.2	3313.7	3221.1	3182.3	3140.5	3104.7
65°	2701.7	2710.6	2848.0	2985.3	3146.5	3304.7	3218.1	3128.6	3203.2	3277.9	3242.0
67.5°	2388.2	2403.2	2531.5	2656.9	2848.0	3039.0	3015.1	2988.3	3152.5	3316.7	3313.7
70°	2015.1	2041.9	2152.4	2259.9	2474.8	2686.8	2710.6	2734.5	3018.1	3298.7	3352.5
72.5°	1546.4	1600.1	1683.7	1764.3	1982.2	2197.2	2286.7	2376.3	2782.3	3185.3	3337.6
75°	513.5	549.3	782.1	1012.0	1232.9	1453.8	1650.9	1844.9	2352.4	2856.9	3173.4
77.5°	149.3	155.2	200.0	241.8	415.0	585.1	788.1	988.1	1483.7	1976.3	2501.7
80°	77.6	80.6	89.6	98.5	143.3	188.1	271.7	352.3	579.1	806.0	1358.3
82.5°	53.7	53.7	62.7	68.7	86.6	104.5	149.3	194.0	212.0	229.9	546.3
85°	17.9	17.9	23.9	29.9	41.8	53.7	80.6	104.5	104.5	101.5	146.3
87.5°	3.0	3.0	6.0	9.0	14.9	17.9	14.9	11.9	9.0	6.0	11.9
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: P559950

CATALOG NUMBER: SDL-PA1-100-830-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	809.0	809.0	809.0	809.0	809.0	809.0	809.0	809.0	809.0	809.0	809.0
2.5°	800.1	803.0	803.0	803.0	806.0	806.0	806.0	806.0	803.0	806.0	806.0
5°	659.7	713.5	764.2	779.2	788.1	791.1	791.1	791.1	788.1	788.1	788.1
7.5°	650.8	647.8	644.8	620.9	677.7	689.6	698.6	695.6	695.6	680.6	662.7
10°	501.5	501.5	501.5	507.5	540.3	579.1	618.0	618.0	618.0	573.2	528.4
12.5°	468.7	486.6	501.5	501.5	447.8	492.6	537.4	537.4	537.4	492.6	444.8
15°	400.0	420.9	438.8	468.7	558.2	612.0	665.7	665.7	662.7	612.0	558.2
17.5°	504.5	498.5	489.6	543.3	510.5	519.4	528.4	501.5	540.3	525.4	510.5
20°	510.5	456.7	400.0	513.5	629.9	680.6	731.4	734.4	725.4	668.7	609.0
22.5°	480.6	549.3	615.0	543.3	561.2	549.3	534.4	528.4	528.4	525.4	522.4
25°	615.0	549.3	483.6	635.9	743.3	779.2	815.0	806.0	794.1	713.5	632.9
27.5°	567.2	632.9	695.6	755.3	809.0	841.9	874.7	967.2	841.9	749.3	653.8
30°	692.6	773.2	850.8	937.4	1101.6	1149.3	1197.1	1173.2	1143.4	964.2	785.1
32.5°	770.2	898.6	1024.0	1062.8	1161.3	1206.1	1247.9	1227.0	1191.1	955.3	719.5
35°	856.8	976.2	1092.6	1155.3	1274.7	1310.5	1343.4	1310.5	1271.7	946.3	620.9
37.5°	904.5	1065.7	1224.0	1331.4	1432.9	1441.9	1447.9	1418.0	1367.3	946.3	525.4
40°	1015.0	1188.1	1358.3	1513.5	1594.1	1597.1	1600.1	1552.4	1459.8	937.4	412.0
42.5°	1161.3	1337.4	1510.6	1680.7	1788.2	1779.2	1767.3	1701.6	1549.4	922.5	295.5
45°	1370.2	1525.5	1680.7	1871.8	2003.1	1979.2	1952.4	1853.9	1612.1	907.5	200.0
47.5°	1594.1	1716.5	1836.0	2098.7	2265.8	2215.1	2161.4	2018.1	1656.8	901.6	143.3
50°	1853.9	1952.4	2050.9	2337.5	2537.5	2442.0	2346.4	2182.2	1674.7	895.6	113.4
52.5°	2083.7	2185.2	2283.7	2618.1	2770.4	2662.9	2555.4	2310.6	1665.8	883.6	98.5
55°	2358.4	2447.9	2537.5	2886.8	3009.2	2865.9	2719.6	2403.2	1621.0	856.8	89.6
57.5°	2633.0	2725.6	2815.1	3155.5	3191.3	3051.0	2907.7	2492.7	1576.2	829.9	80.6
60°	2889.8	2994.2	3098.7	3337.6	3364.4	3239.0	3113.7	2579.3	1504.6	788.1	71.6
62.5°	3068.9	3212.2	3355.5	3516.7	3528.6	3415.2	3298.7	2645.0	1412.0	740.4	65.7
65°	3203.2	3400.2	3594.3	3692.8	3686.8	3606.2	3525.6	2701.7	1337.4	695.6	53.7
67.5°	3307.7	3546.5	3785.4	3851.0	3866.0	3791.3	3716.7	2710.6	1244.9	644.8	41.8
70°	3406.2	3668.9	3931.6	4057.0	4027.2	3910.7	3794.3	2642.0	1119.5	576.2	29.9
72.5°	3486.8	3761.5	4036.1	4179.4	4107.8	3860.0	3612.2	2409.1	937.4	480.6	20.9
75°	3486.8	3761.5	4033.1	4155.5	3910.7	3418.2	2922.6	1794.2	549.3	283.6	17.9
77.5°	3027.1	3227.1	3427.1	3409.2	2979.3	2367.3	1752.4	1032.9	185.1	101.5	14.9
80°	1910.6	2041.9	2173.3	2107.6	1522.5	1092.6	659.7	346.3	65.7	38.8	11.9
82.5°	862.7	847.8	832.9	641.8	298.5	200.0	98.5	59.7	17.9	11.9	6.0
85°	191.1	185.1	179.1	131.4	89.6	59.7	29.9	17.9	9.0	9.0	6.0
87.5°	17.9	20.9	20.9	14.9	14.9	11.9	6.0	6.0	6.0	6.0	6.0
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: P559950

CATALOG NUMBER: SDL-PA1-100-830-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	809.0	809.0	809.0	809.0	809.0	809.0	809.0	809.0	809.0	809.0	809.0
2.5°	806.0	806.0	806.0	803.0	803.0	803.0	782.1	758.3	743.3	725.4	716.5
5°	761.2	734.4	701.5	668.7	662.7	653.8	656.8	656.8	659.7	659.7	659.7
7.5°	647.8	632.9	638.9	644.8	644.8	644.8	644.8	641.8	638.9	635.9	606.0
10°	516.5	504.5	504.5	504.5	513.5	519.4	504.5	486.6	513.5	537.4	531.4
12.5°	474.7	504.5	465.7	423.9	429.9	432.9	432.9	429.9	417.9	406.0	364.2
15°	495.6	432.9	397.0	358.2	358.2	358.2	289.6	220.9	206.0	191.1	194.0
17.5°	474.7	438.8	397.0	352.3	265.7	176.1	167.2	155.2	155.2	155.2	158.2
20°	477.6	346.3	292.6	238.8	191.1	140.3	131.4	119.4	113.4	104.5	122.4
22.5°	468.7	412.0	280.6	149.3	131.4	113.4	104.5	92.5	107.5	122.4	122.4
25°	453.8	271.7	203.0	131.4	110.5	89.6	101.5	110.5	104.5	95.5	110.5
27.5°	456.7	256.7	176.1	95.5	101.5	104.5	98.5	89.6	98.5	104.5	98.5
30°	492.6	200.0	149.3	95.5	92.5	86.6	89.6	92.5	89.6	83.6	89.6
32.5°	438.8	158.2	125.4	89.6	86.6	83.6	80.6	77.6	80.6	80.6	80.6
35°	370.2	119.4	101.5	83.6	77.6	71.6	71.6	68.7	68.7	68.7	68.7
37.5°	313.5	101.5	89.6	74.6	68.7	62.7	59.7	53.7	53.7	50.7	50.7
40°	253.7	92.5	80.6	65.7	59.7	50.7	47.8	41.8	41.8	38.8	38.8
42.5°	191.1	83.6	71.6	56.7	50.7	41.8	35.8	29.9	29.9	26.9	26.9
45°	137.3	74.6	62.7	47.8	41.8	32.8	26.9	20.9	20.9	17.9	17.9
47.5°	107.5	68.7	56.7	41.8	32.8	23.9	20.9	14.9	14.9	14.9	14.9
50°	86.6	59.7	47.8	32.8	23.9	14.9	11.9	9.0	9.0	9.0	9.0
52.5°	77.6	53.7	41.8	26.9	20.9	11.9	9.0	6.0	9.0	9.0	9.0
55°	68.7	47.8	35.8	20.9	14.9	9.0	9.0	6.0	9.0	9.0	9.0
57.5°	62.7	41.8	29.9	14.9	11.9	6.0	6.0	3.0	6.0	6.0	6.0
60°	53.7	35.8	23.9	11.9	9.0	3.0	3.0	3.0	6.0	6.0	6.0
62.5°	47.8	29.9	20.9	9.0	6.0	3.0	3.0	3.0	6.0	6.0	6.0
65°	38.8	20.9	14.9	6.0	6.0	3.0	3.0	3.0	6.0	6.0	6.0
67.5°	29.9	14.9	11.9	6.0	6.0	3.0	3.0	3.0	6.0	6.0	3.0
70°	20.9	11.9	9.0	3.0	3.0	3.0	3.0	3.0	6.0	6.0	3.0
72.5°	14.9	9.0	6.0	3.0	3.0	0.0	3.0	3.0	6.0	6.0	6.0
75°	14.9	9.0	6.0	3.0	3.0	0.0	3.0	6.0	6.0	6.0	6.0
77.5°	11.9	6.0	6.0	3.0	3.0	0.0	3.0	6.0	6.0	6.0	6.0
80°	9.0	6.0	6.0	3.0	3.0	0.0	6.0	9.0	9.0	9.0	6.0
82.5°	6.0	6.0	6.0	3.0	3.0	0.0	6.0	9.0	9.0	9.0	6.0
85°	6.0	6.0	6.0	6.0	3.0	0.0	6.0	9.0	9.0	9.0	9.0
87.5°	6.0	6.0	6.0	6.0	6.0	3.0	9.0	11.9	11.9	9.0	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

REPORT NUMBER: P559950

CATALOG NUMBER: SDL-PA1-100-830-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	809.0	809.0	809.0	809.0
2.5°	704.5	704.5	701.5	710.5
5°	659.7	659.7	659.7	662.7
7.5°	573.2	552.3	531.4	534.4
10°	522.4	516.5	507.5	513.5
12.5°	322.4	304.5	283.6	274.6
15°	197.0	197.0	197.0	194.0
17.5°	161.2	149.3	134.3	137.3
20°	140.3	143.3	146.3	146.3
22.5°	122.4	116.4	110.5	110.5
25°	122.4	122.4	122.4	122.4
27.5°	92.5	92.5	89.6	89.6
30°	95.5	95.5	92.5	89.6
32.5°	77.6	77.6	77.6	77.6
35°	65.7	62.7	59.7	59.7
37.5°	50.7	47.8	44.8	44.8
40°	35.8	35.8	32.8	32.8
42.5°	26.9	26.9	23.9	23.9
45°	17.9	17.9	17.9	17.9
47.5°	11.9	11.9	11.9	11.9
50°	9.0	9.0	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	6.0	6.0
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°	0.0	0.0	0.0	0.0
70°	0.0	0.0	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°	3.0	3.0	0.0	0.0
80°	3.0	3.0	0.0	0.0
82.5°	3.0	3.0	3.0	0.0
85°	6.0	6.0	3.0	0.0
87.5°	6.0	6.0	3.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)