

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: P560114

Luminaire Tested: **SDL-PA1-20-830-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560114
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-14)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-830-U-SL3-HSS
Description: Springdale
(1) 80 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1828.5 lumens
Efficiency: N/A
Efficacy: 87.1 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: B0 - U0 - G1

Input Watts (W): 21
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

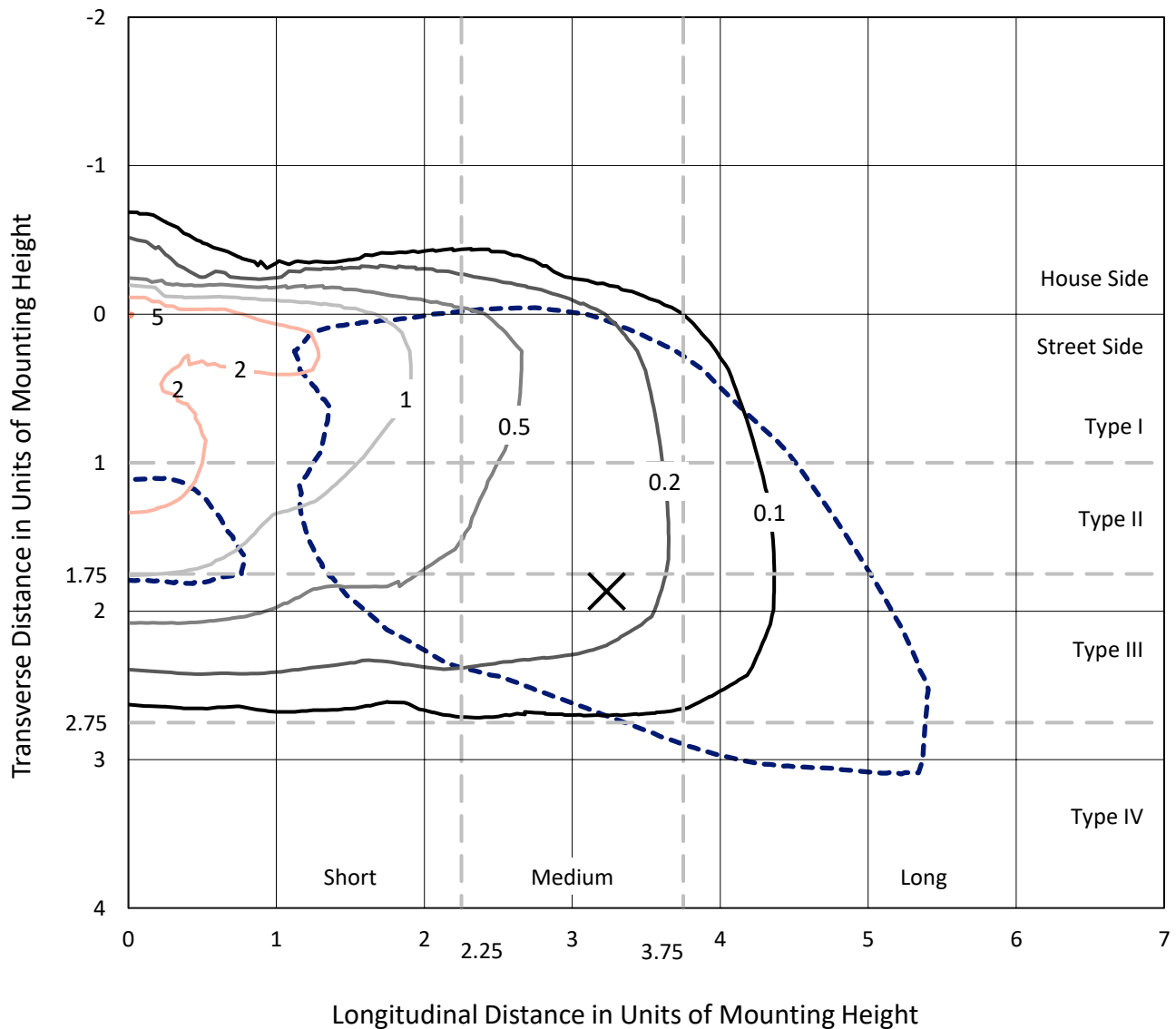


REPORT NUMBER: P560114

CATALOG NUMBER: SDL-PA1-20-830-U-SL3-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

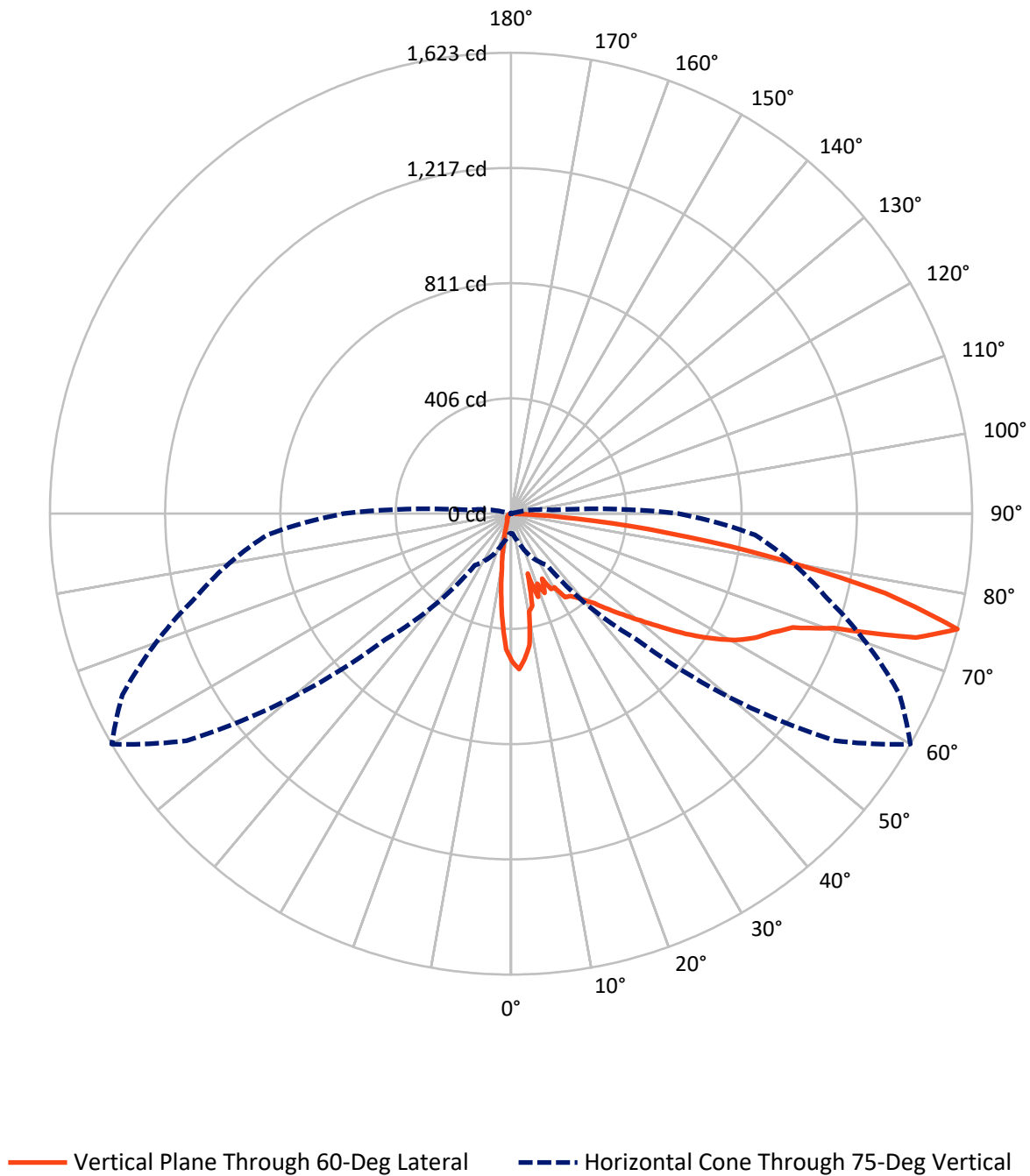


Based on 10 foot mounting height. Maximum calculated value = 5.2 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560114

CATALOG NUMBER: SDL-PA1-20-830-U-SL3-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P560114

CATALOG NUMBER: SDL-PA1-20-830-U-SL3-HSS

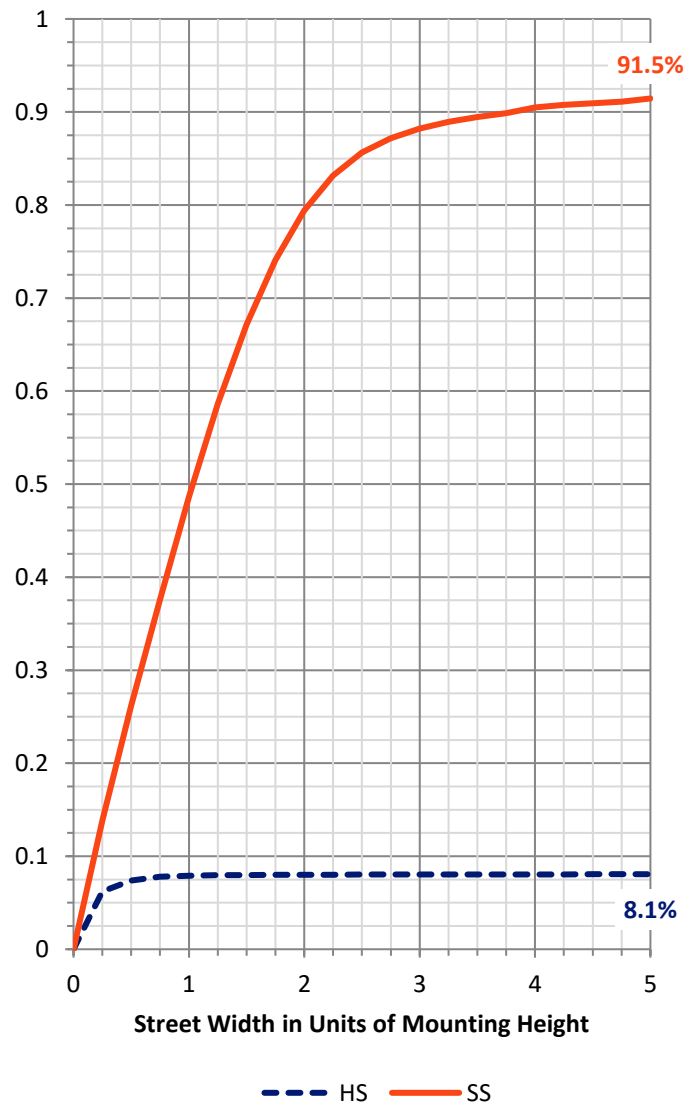
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	149.0	0.0	149.0
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	1679.5	0.0	1679.5
	% Fixture	91.9	0.0	91.9
Total	Lumens	1828.5	0.0	1828.5
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.0	2.0
10°-20°	59.8	3.3
20°-30°	85.7	4.7
30°-40°	152.6	8.3
40°-50°	251.2	13.7
50°-60°	387.3	21.2
60°-70°	451.4	24.7
70°-80°	349.8	19.1
80°-90°	54.6	3.0
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°	1828.5	100.0
0°-180°	1828.5	100.0



REPORT NUMBER: P560114

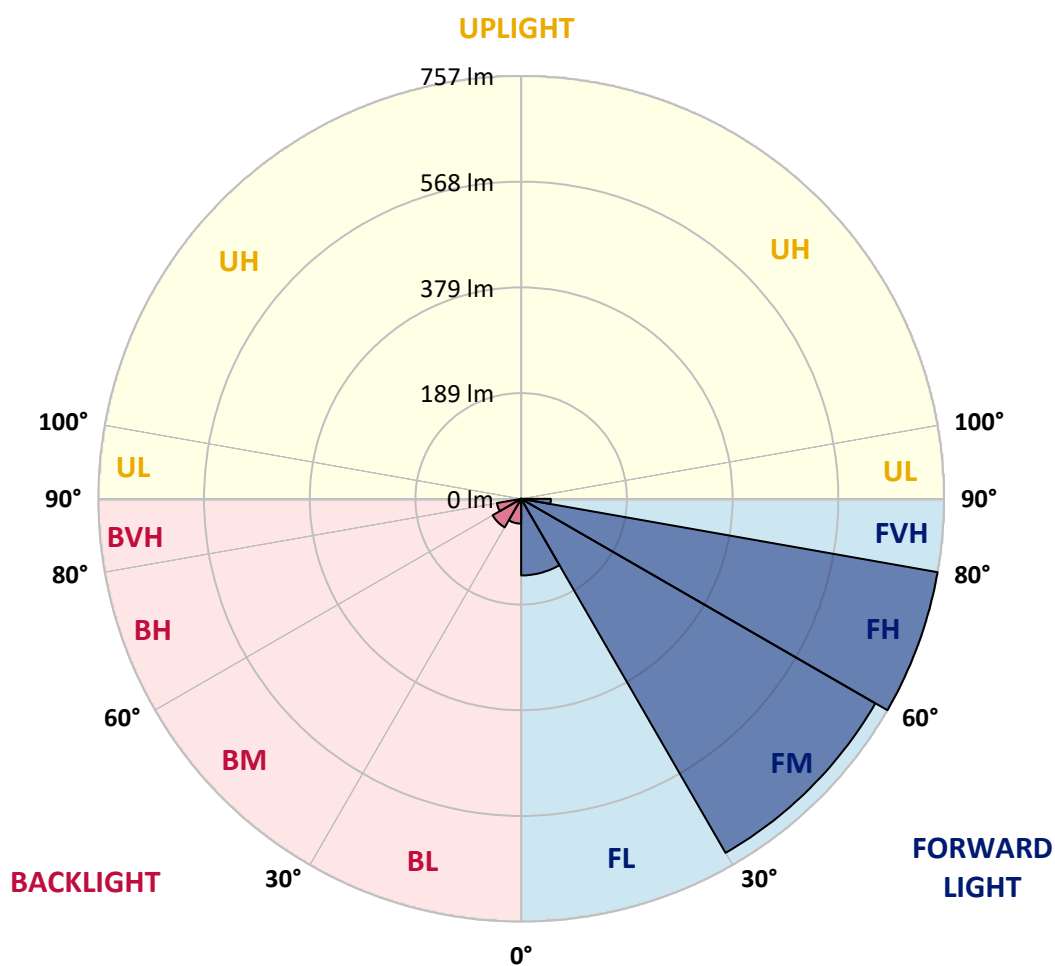
CATALOG NUMBER: SDL-PA1-20-830-U-SL3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	137.2	7.5			
FM	(30°-60°)	732.1	40.0			
FH	(60°-80°)	757.1	41.4			G1/1800
FVH	(80°-90°)	53.1	2.9			G1/100
BL	(0°-30°)	44.4	2.4	B0/110		
BM	(30°-60°)	59.0	3.2	B0/220		
BH	(60°-80°)	44.1	2.4	B0/110		G0/110
BVH	(80°-90°)	1.5	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Medium



REPORT NUMBER: P560114

CATALOG NUMBER: SDL-PA1-20-830-U-SL3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.0
2.5°	486.9	505.2	516.3	526.6	540.1	553.6	554.4	555.2	555.2	555.2	554.4
5°	470.2	471.8	471.8	471.8	474.2	476.6	478.1	478.9	479.7	479.7	478.9
7.5°	367.7	397.1	415.4	432.9	437.6	442.4	448.8	454.3	459.1	463.1	466.2
10°	407.5	410.6	410.6	409.8	413.8	417.0	386.0	354.2	367.0	379.7	363.8
12.5°	314.5	330.4	350.3	369.3	382.0	394.8	380.5	366.2	343.9	320.9	319.3
15°	367.7	370.1	370.9	371.7	350.3	328.0	301.8	274.8	293.1	311.4	285.1
17.5°	282.8	285.1	307.4	329.6	332.0	334.4	317.7	300.2	262.1	224.0	259.7
20°	338.4	339.9	339.9	339.9	297.9	255.8	258.9	261.3	273.2	285.1	276.4
22.5°	272.4	269.3	270.8	271.6	284.3	296.3	271.6	246.2	264.5	282.0	266.9
25°	340.7	341.5	336.8	331.2	293.9	255.8	269.3	282.0	260.5	238.3	259.7
27.5°	308.2	305.0	293.9	282.8	288.3	293.9	268.5	242.3	262.9	282.8	273.2
30°	405.9	404.3	390.0	374.9	330.4	285.1	280.4	274.8	262.9	250.2	266.9
32.5°	541.7	522.6	469.4	415.4	387.6	359.0	324.1	289.1	293.1	296.3	298.6
35°	571.9	563.1	540.1	517.1	474.2	430.5	382.8	334.4	323.3	312.1	318.5
37.5°	579.8	576.6	573.5	569.5	518.7	467.8	420.2	371.7	363.0	353.4	346.3
40°	587.8	590.9	600.5	609.2	561.5	513.9	469.4	424.1	413.8	403.5	385.2
42.5°	619.5	621.9	636.2	650.5	604.4	557.6	518.7	479.7	464.6	449.6	432.9
45°	687.0	689.4	697.4	705.3	662.4	618.7	575.8	532.2	520.2	507.5	488.5
47.5°	780.8	783.1	779.2	775.2	726.0	675.9	625.1	574.3	570.3	566.3	546.5
50°	888.0	884.8	863.4	841.9	787.9	733.9	674.3	614.0	617.1	620.3	606.0
52.5°	937.2	935.6	911.0	886.4	830.8	774.4	712.5	649.7	660.8	671.2	663.2
55°	934.1	933.3	916.6	899.9	847.5	795.1	737.1	679.1	704.5	729.1	724.4
57.5°	899.1	900.7	898.3	895.9	849.9	803.8	756.9	710.1	748.2	785.5	791.9
60°	844.3	844.3	856.2	867.3	840.3	812.5	773.6	733.9	786.3	838.7	854.6
62.5°	729.9	742.6	768.1	793.5	802.2	810.9	779.2	747.4	819.7	892.0	915.0
65°	562.3	567.9	614.0	660.0	702.9	745.0	747.4	749.8	860.2	969.8	977.7
67.5°	326.4	349.5	400.3	450.3	534.5	617.9	660.8	703.7	877.7	1050.8	1059.6
70°	171.6	181.1	205.7	229.5	305.0	379.7	486.1	591.7	837.2	1081.8	1158.0
72.5°	117.6	126.3	139.8	153.3	181.9	209.7	285.9	361.4	666.4	971.4	1208.1
75°	69.1	71.5	88.2	104.8	135.8	166.8	194.6	221.6	424.1	625.9	1009.5
77.5°	27.8	30.2	37.3	44.5	88.2	131.1	159.6	188.2	236.7	285.1	693.4
80°	15.1	15.1	18.3	20.7	39.7	58.0	107.2	156.5	180.3	204.1	449.6
82.5°	8.7	8.7	11.1	12.7	19.9	27.0	61.2	95.3	140.6	185.1	303.4
85°	3.2	3.2	4.0	4.8	9.5	13.5	22.2	30.2	87.4	143.8	174.7
87.5°	0.8	0.8	1.6	1.6	2.4	3.2	4.0	4.0	3.2	2.4	15.9
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: P560114

CATALOG NUMBER: SDL-PA1-20-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.0
2.5°	552.8	548.0	544.9	539.3	533.7	529.0	523.4	516.3	510.7	503.6	496.4
5°	478.1	511.5	545.7	542.5	538.5	527.4	516.3	503.6	491.7	477.4	463.1
7.5°	468.6	467.8	435.3	451.9	467.8	455.1	442.4	428.1	412.2	384.4	356.6
10°	347.9	350.3	349.5	353.4	357.4	367.7	377.3	356.6	336.8	293.1	248.6
12.5°	317.7	332.8	336.8	309.8	282.8	293.9	305.0	284.3	264.5	224.0	183.5
15°	258.1	219.2	274.8	311.4	347.1	352.7	357.4	330.4	298.6	243.0	186.7
17.5°	294.7	308.2	292.3	293.1	293.1	293.9	294.7	270.1	238.3	196.2	154.1
20°	267.7	263.7	265.3	291.5	317.7	335.2	351.9	314.5	274.0	208.9	143.0
22.5°	251.8	303.4	325.6	314.5	303.4	275.6	247.0	218.4	185.1	152.5	119.1
25°	280.4	253.4	270.8	313.7	356.6	356.6	356.6	307.4	252.6	182.7	112.8
27.5°	263.7	301.0	318.5	352.7	386.0	400.3	413.8	351.1	278.8	192.2	104.8
30°	283.6	301.0	363.0	431.3	499.6	487.7	475.0	394.8	303.4	201.7	100.1
32.5°	301.0	350.3	405.1	456.7	508.3	494.8	480.5	391.6	289.1	181.9	74.7
35°	324.9	356.6	407.5	470.2	533.0	512.3	490.9	393.2	278.0	166.8	55.6
37.5°	339.2	374.1	428.9	494.8	560.0	534.5	509.1	400.3	268.5	155.7	42.9
40°	366.2	401.1	455.9	525.0	594.1	564.7	534.5	413.0	262.9	149.3	35.7
42.5°	416.2	432.1	493.2	566.3	639.4	608.4	576.6	440.0	261.3	146.1	31.0
45°	468.6	478.9	533.0	614.8	695.8	664.0	631.4	473.4	266.9	148.5	29.4
47.5°	525.8	531.4	580.6	682.3	783.9	740.3	696.6	519.5	278.8	153.3	27.8
50°	591.7	591.7	639.4	749.0	858.6	813.3	768.1	573.5	293.9	160.4	27.0
52.5°	654.5	663.2	699.7	811.7	923.7	881.6	838.7	633.0	313.7	170.0	25.4
55°	718.8	746.6	760.1	874.5	988.9	940.4	892.0	676.7	325.6	174.7	23.8
57.5°	798.2	827.6	834.8	931.7	1028.6	981.7	934.1	714.0	334.4	178.7	23.0
60°	870.5	903.9	918.2	989.7	1060.3	1011.9	963.4	746.6	342.3	181.9	20.7
62.5°	937.2	962.7	984.9	1031.0	1077.0	1031.8	985.7	775.2	347.1	182.7	18.3
65°	985.7	1008.7	1040.5	1066.7	1092.9	1058.8	1024.6	824.4	360.6	187.4	13.5
67.5°	1067.5	1069.9	1088.1	1109.6	1131.0	1112.8	1094.5	892.8	376.5	193.8	10.3
70°	1233.5	1206.5	1182.7	1204.1	1224.8	1199.3	1173.9	912.6	339.9	173.9	7.9
72.5°	1444.8	1490.0	1374.9	1330.4	1285.1	1191.4	1096.9	785.5	241.5	123.9	6.4
75°	1393.1	1622.7	1509.1	1330.4	1151.7	1007.1	861.8	589.3	148.5	77.0	4.8
77.5°	1100.9	1347.1	1306.6	1122.3	937.2	759.3	581.4	362.2	52.4	28.6	4.8
80°	695.0	931.7	896.7	729.1	560.8	398.7	236.7	110.4	19.9	12.7	5.6
82.5°	421.8	555.2	436.1	273.2	110.4	77.8	45.3	23.8	6.4	5.6	4.8
85°	204.9	229.5	150.1	86.6	22.2	20.7	18.3	11.9	3.2	3.2	2.4
87.5°	28.6	20.7	12.7	8.7	4.0	4.0	4.0	2.4	2.4	2.4	1.6
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: P560114

CATALOG NUMBER: SDL-PA1-20-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.0	521.0
2.5°	490.9	484.5	477.4	470.2	462.3	454.3	431.3	407.5	394.8	381.2	378.1
5°	436.8	410.6	378.1	344.7	330.4	316.1	309.0	301.0	296.3	290.7	285.9
7.5°	320.1	282.8	282.8	282.0	270.1	258.1	244.6	230.3	221.6	212.9	189.8
10°	228.7	208.1	193.8	179.5	173.9	168.4	150.9	132.6	134.2	135.0	130.3
12.5°	177.1	170.0	143.8	117.6	108.8	100.1	94.5	89.0	81.0	73.1	67.5
15°	151.7	116.8	96.9	77.0	68.3	58.8	50.8	42.1	39.7	36.5	40.5
17.5°	124.7	94.5	75.5	56.4	43.7	31.0	32.6	34.2	37.3	40.5	42.1
20°	107.2	71.5	54.8	38.1	34.2	30.2	31.8	32.6	31.8	30.2	34.9
22.5°	87.4	55.6	42.1	27.8	28.6	29.4	27.0	24.6	29.4	34.2	34.2
25°	74.7	36.5	32.6	28.6	26.2	23.8	27.0	29.4	27.8	26.2	30.2
27.5°	68.3	31.8	27.8	23.8	24.6	25.4	24.6	23.0	25.4	27.8	27.0
30°	65.1	29.4	27.0	23.8	23.0	21.4	22.2	22.2	21.4	20.7	23.0
32.5°	52.4	30.2	26.2	21.4	20.7	19.1	18.3	17.5	18.3	19.1	19.9
35°	42.1	27.8	24.6	20.7	19.1	17.5	16.7	15.1	15.1	15.1	15.9
37.5°	34.2	25.4	22.2	18.3	16.7	15.1	14.3	12.7	12.7	12.7	12.7
40°	30.2	23.8	20.7	16.7	15.1	12.7	11.9	10.3	10.3	9.5	9.5
42.5°	26.2	21.4	18.3	14.3	12.7	11.1	9.5	7.9	7.9	7.1	7.1
45°	24.6	19.9	16.7	13.5	11.1	8.7	7.9	6.4	6.4	5.6	5.6
47.5°	23.8	19.1	15.9	11.9	9.5	7.1	6.4	4.8	4.8	4.8	4.8
50°	22.2	17.5	14.3	10.3	8.7	6.4	5.6	4.0	4.0	4.0	4.0
52.5°	21.4	16.7	12.7	8.7	7.1	4.8	4.0	3.2	3.2	3.2	3.2
55°	20.7	17.5	12.7	7.9	6.4	4.0	3.2	2.4	2.4	2.4	2.4
57.5°	19.9	16.7	11.9	6.4	4.8	3.2	2.4	1.6	1.6	1.6	1.6
60°	17.5	14.3	9.5	4.8	4.0	2.4	1.6	0.8	1.6	1.6	1.6
62.5°	15.1	11.1	7.9	4.0	3.2	1.6	1.6	0.8	1.6	1.6	1.6
65°	11.1	8.7	6.4	3.2	2.4	0.8	0.8	0.8	1.6	1.6	1.6
67.5°	8.7	6.4	4.8	2.4	1.6	0.8	0.8	0.8	1.6	1.6	1.6
70°	6.4	4.8	3.2	1.6	1.6	0.8	0.8	0.8	1.6	1.6	1.6
72.5°	4.8	3.2	2.4	1.6	1.6	0.8	1.6	1.6	1.6	1.6	1.6
75°	4.0	3.2	2.4	1.6	1.6	0.8	1.6	1.6	2.4	2.4	2.4
77.5°	4.0	2.4	2.4	1.6	1.6	0.8	1.6	2.4	2.4	2.4	2.4
80°	4.0	2.4	2.4	1.6	1.6	0.8	1.6	2.4	2.4	2.4	2.4
82.5°	4.0	2.4	2.4	1.6	1.6	0.8	1.6	2.4	2.4	2.4	2.4
85°	2.4	2.4	2.4	2.4	1.6	0.8	2.4	3.2	3.2	2.4	2.4
87.5°	1.6	1.6	2.4	2.4	1.6	0.8	2.4	3.2	3.2	2.4	2.4
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: P560114

CATALOG NUMBER: SDL-PA1-20-830-U-SL3-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	521.0	521.0	521.0	521.0
2.5°	374.1	370.1	365.4	374.9
5°	281.2	278.0	274.8	280.4
7.5°	166.8	167.6	167.6	158.9
10°	124.7	117.6	109.6	109.6
12.5°	62.0	57.2	52.4	51.6
15°	44.5	45.3	46.1	46.1
17.5°	43.7	42.1	39.7	38.1
20°	38.9	40.5	41.3	41.3
22.5°	34.2	33.4	31.8	31.8
25°	34.2	34.9	35.7	35.7
27.5°	26.2	26.2	25.4	25.4
30°	25.4	25.4	25.4	25.4
32.5°	19.9	20.7	20.7	20.7
35°	16.7	16.7	16.7	16.7
37.5°	12.7	12.7	12.7	11.9
40°	9.5	9.5	9.5	9.5
42.5°	7.1	7.1	7.1	7.1
45°	5.6	5.6	5.6	5.6
47.5°	4.8	4.8	4.0	4.0
50°	3.2	3.2	3.2	3.2
52.5°	2.4	2.4	2.4	2.4
55°	1.6	1.6	1.6	1.6
57.5°	1.6	1.6	1.6	1.6
60°	0.8	0.8	0.8	0.8
62.5°	0.8	0.8	0.8	0.8
65°	0.8	0.8	0.8	0.8
67.5°	0.8	0.8	0.8	0.8
70°	0.8	0.8	0.8	0.8
72.5°	1.6	1.6	0.8	0.8
75°	1.6	1.6	0.8	0.8
77.5°	1.6	1.6	0.8	0.8
80°	1.6	1.6	0.8	0.8
82.5°	1.6	1.6	0.8	0.8
85°	1.6	1.6	1.6	0.8
87.5°	1.6	1.6	1.6	0.8
90°	0.0	0.0	0.0	0.0

(END OF REPORT)