

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: P560126

Luminaire Tested: **SDL-PA1-20-830-U-T3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560126
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-PA1-20-830-U-T3-HSS
Description: Springdale
(1) 80 CRI, 3000K, 260mA 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: 1623.5 lumens
Efficiency: N/A
Efficacy: 77.3 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

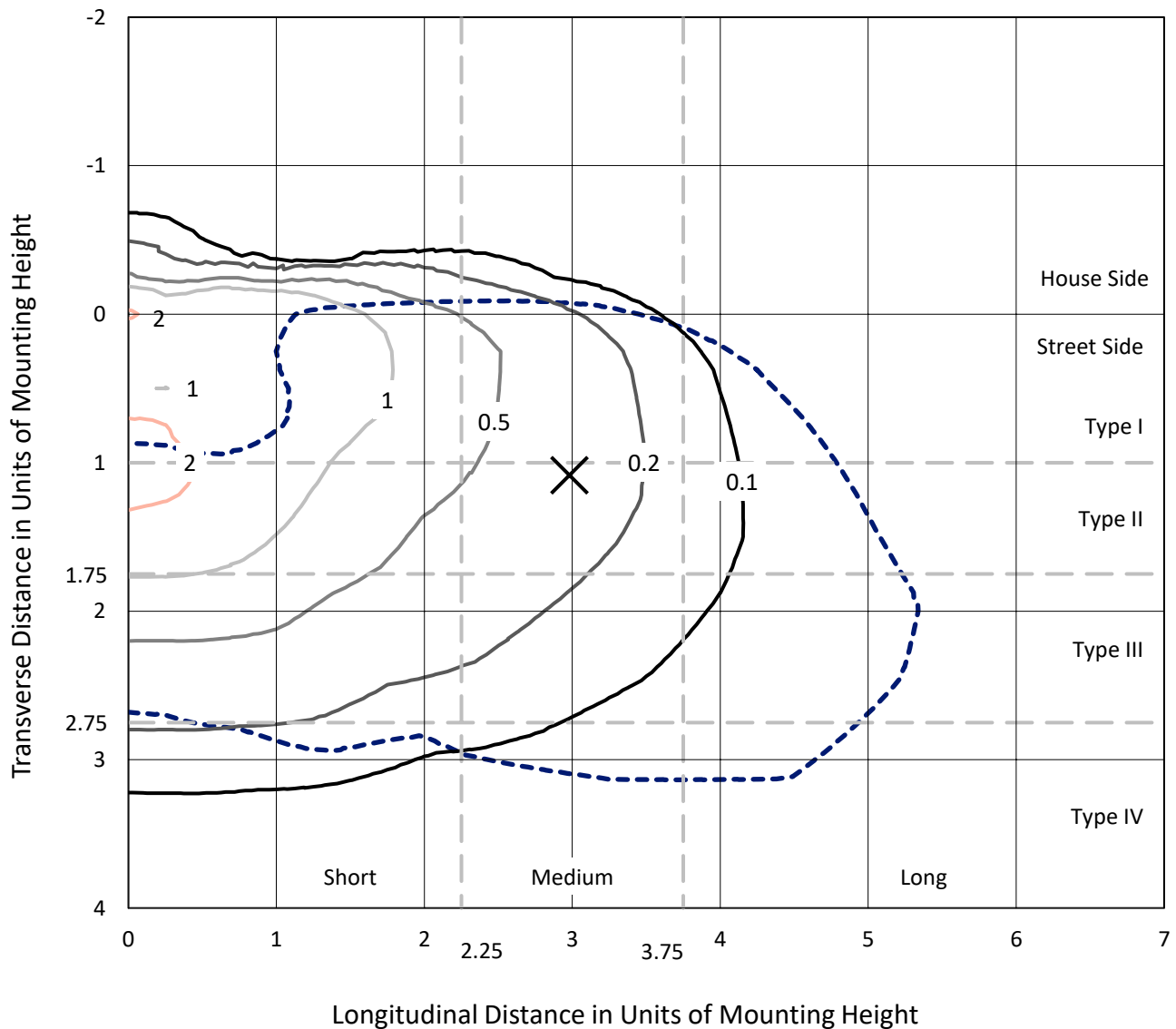


REPORT NUMBER: P560126

CATALOG NUMBER: SDL-PA1-20-830-U-T3-HSS

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

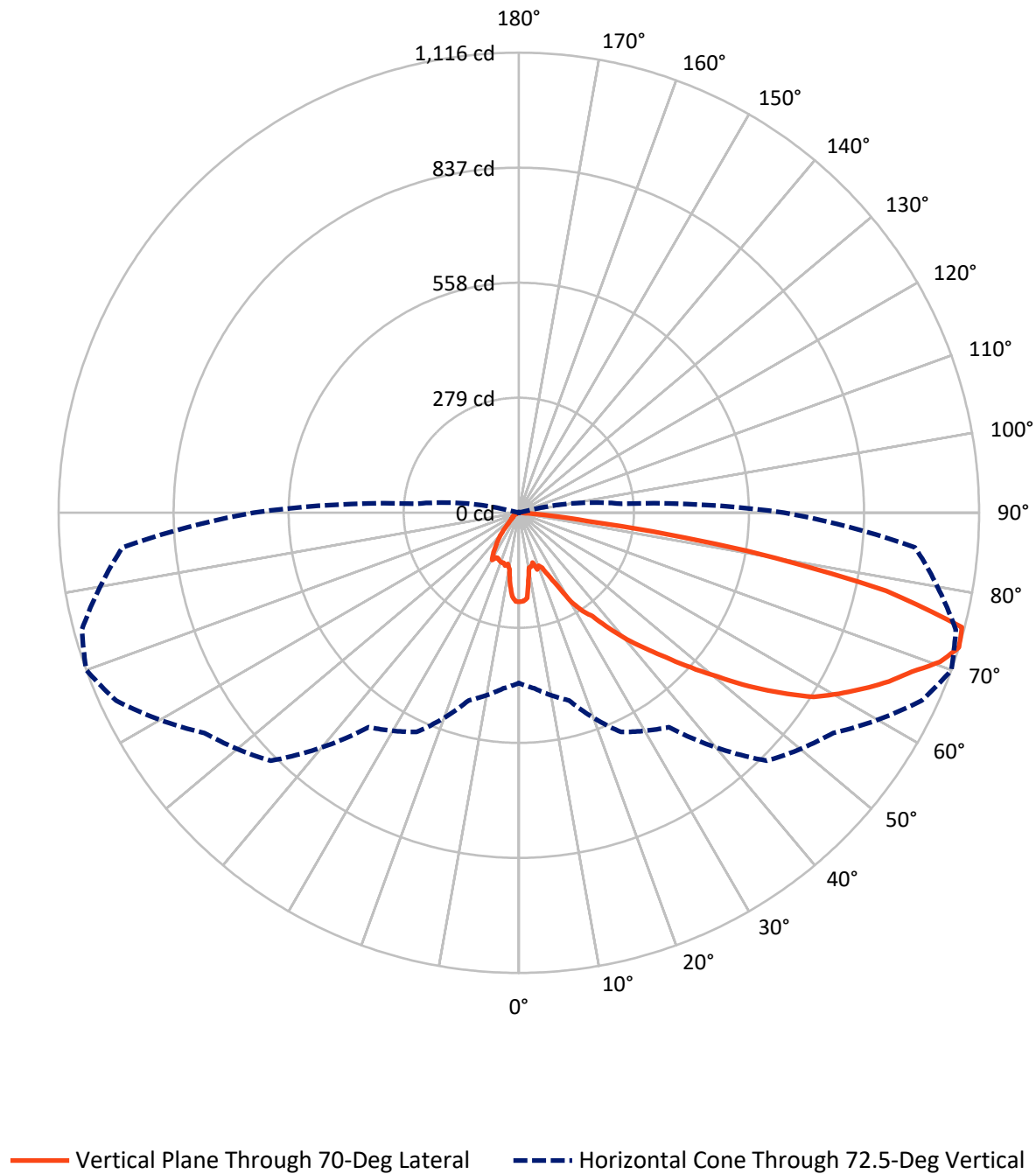


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560126

CATALOG NUMBER: SDL-PA1-20-830-U-T3-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P560126

CATALOG NUMBER: SDL-PA1-20-830-U-T3-HSS

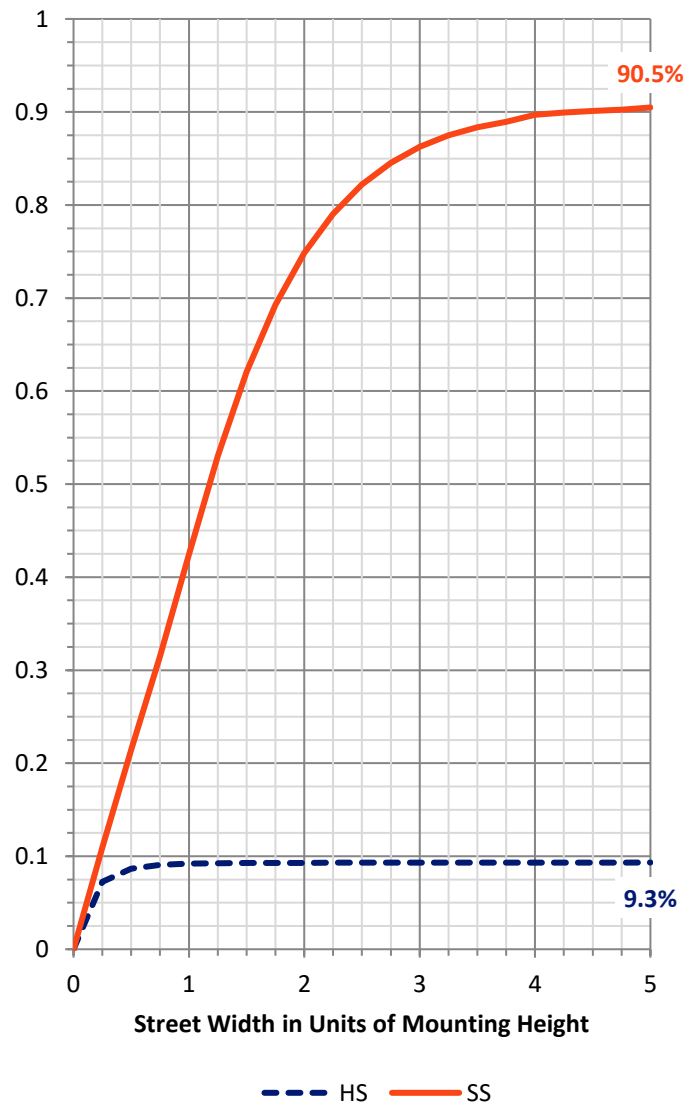
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	153.1	0.0	153.1
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	1470.4	0.0	1470.4
	% Fixture	90.6	0.0	90.6
Total	Lumens	1623.5	0.0	1623.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	16.6	1.0
10°-20°	33.2	2.0
20°-30°	54.2	3.3
30°-40°	115.6	7.1
40°-50°	222.7	13.7
50°-60°	368.3	22.7
60°-70°	450.8	27.8
70°-80°	330.3	20.3
80°-90°	31.7	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°	1623.5	100.0
0°-180°	1623.5	100.0

Coefficient of Utilization



REPORT NUMBER: P560126

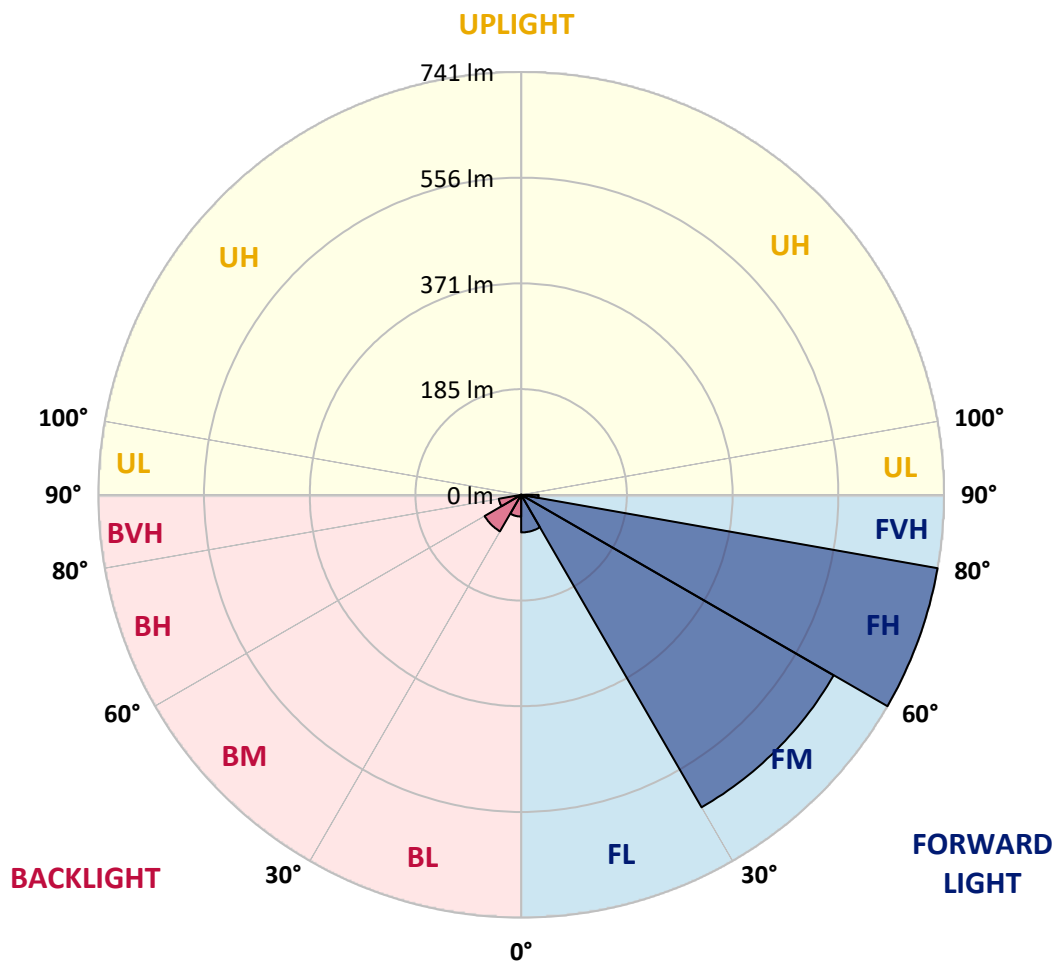
CATALOG NUMBER: SDL-PA1-20-830-U-T3-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	65.9	4.1			
FM	(30°-60°)	632.6	39.0			
FH	(60°-80°)	741.3	45.7			G1/1800
FVH	(80°-90°)	30.6	1.9			G1/100
BL	(0°-30°)	38.1	2.3	B0/110		
BM	(30°-60°)	74.0	4.6	B0/220		
BH	(60°-80°)	39.9	2.5	B0/110		G0/110
BVH	(80°-90°)	1.1	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Medium



REPORT NUMBER: P560126

CATALOG NUMBER: SDL-PA1-20-830-U-T3-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0
2.5°	192.1	197.7	200.9	204.1	203.3	202.5	204.1	205.7	208.9	211.3	212.9
5°	173.0	173.0	173.0	173.0	173.8	173.8	173.8	173.8	174.6	175.4	176.2
7.5°	149.9	153.1	154.7	156.3	160.2	163.4	166.6	169.8	171.4	172.2	173.0
10°	162.6	162.6	162.6	162.6	163.4	163.4	153.1	141.9	142.7	143.5	138.7
12.5°	134.7	133.9	142.7	150.7	156.3	161.0	155.5	149.1	139.5	129.1	127.6
15°	158.6	158.6	158.6	158.6	147.5	136.3	128.4	120.4	126.8	132.3	119.6
17.5°	125.2	128.4	137.9	147.5	147.5	147.5	140.3	133.1	119.6	105.2	120.4
20°	155.5	155.5	155.5	154.7	136.3	118.0	124.4	129.9	135.5	141.1	138.7
22.5°	129.1	127.6	129.9	132.3	137.9	142.7	126.8	110.0	128.4	145.9	137.1
25°	163.4	163.4	164.2	164.2	146.7	129.1	139.5	149.1	135.5	122.0	143.5
27.5°	147.5	142.7	141.9	140.3	145.9	150.7	143.5	136.3	151.5	166.6	159.4
30°	204.9	204.9	199.3	193.7	172.2	149.9	152.3	153.9	153.9	153.9	169.8
32.5°	284.6	285.4	263.9	241.6	222.4	202.5	185.0	166.6	176.2	185.8	196.1
35°	383.5	385.9	370.7	354.8	307.7	260.7	231.2	201.7	200.9	199.3	214.5
37.5°	454.4	459.2	447.2	435.3	379.5	323.7	281.4	239.2	235.2	230.4	236.0
40°	521.4	518.2	511.0	503.0	444.0	384.3	338.0	291.0	280.6	269.5	270.3
42.5°	608.3	598.7	580.4	562.0	505.4	448.8	399.4	350.0	333.2	316.5	313.3
45°	720.7	704.7	678.4	651.3	595.5	539.7	479.1	417.7	397.0	375.5	370.7
47.5°	778.1	766.9	750.2	732.6	675.2	617.8	559.6	500.7	472.0	442.5	434.5
50°	845.8	831.5	820.3	808.4	759.0	708.7	654.5	599.5	561.2	523.0	509.4
52.5°	910.4	886.5	876.1	865.0	825.9	786.1	729.5	672.9	648.1	622.6	589.9
55°	933.5	910.4	905.6	900.9	873.0	845.0	793.2	741.4	712.7	683.2	656.9
57.5°	883.3	886.5	900.9	915.2	899.3	883.3	841.1	798.0	766.1	734.2	719.1
60°	849.0	856.2	877.7	899.3	899.3	899.3	876.1	853.0	822.7	792.4	782.1
62.5°	794.0	802.8	835.5	868.2	888.9	909.6	884.9	860.2	849.8	838.7	829.1
65°	721.5	723.9	760.5	797.2	840.3	882.5	859.4	835.5	855.4	875.3	865.8
67.5°	637.8	641.8	676.0	709.5	760.5	811.6	805.2	798.0	841.9	885.7	884.9
70°	538.1	545.3	574.8	603.5	660.9	717.5	723.9	730.3	806.0	880.9	895.3
72.5°	413.0	427.3	449.6	471.2	529.4	586.8	610.7	634.6	743.0	850.6	891.3
75°	137.1	146.7	208.9	270.3	329.3	388.2	440.9	492.7	628.2	762.9	847.4
77.5°	39.9	41.5	53.4	64.6	110.8	156.3	210.5	263.9	396.2	527.8	668.1
80°	20.7	21.5	23.9	26.3	38.3	50.2	72.5	94.1	154.7	215.2	362.7
82.5°	14.3	14.3	16.7	18.3	23.1	27.9	39.9	51.8	56.6	61.4	145.9
85°	4.8	4.8	6.4	8.0	11.2	14.3	21.5	27.9	27.9	27.1	39.1
87.5°	0.8	0.8	1.6	2.4	4.0	4.8	4.0	3.2	2.4	1.6	3.2
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: P560126

CATALOG NUMBER: SDL-PA1-20-830-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0
2.5°	213.7	214.5	214.5	214.5	215.2	215.2	215.2	215.2	214.5	215.2	215.2
5°	176.2	190.5	204.1	208.1	210.5	211.3	211.3	211.3	210.5	210.5	210.5
7.5°	173.8	173.0	172.2	165.8	181.0	184.2	186.5	185.8	185.8	181.8	177.0
10°	133.9	133.9	133.9	135.5	144.3	154.7	165.0	165.0	165.0	153.1	141.1
12.5°	125.2	129.9	133.9	133.9	119.6	131.5	143.5	143.5	143.5	131.5	118.8
15°	106.8	112.4	117.2	125.2	149.1	163.4	177.8	177.8	177.0	163.4	149.1
17.5°	134.7	133.1	130.7	145.1	136.3	138.7	141.1	133.9	144.3	140.3	136.3
20°	136.3	122.0	106.8	137.1	168.2	181.8	195.3	196.1	193.7	178.6	162.6
22.5°	128.4	146.7	164.2	145.1	149.9	146.7	142.7	141.1	141.1	140.3	139.5
25°	164.2	146.7	129.1	169.8	198.5	208.1	217.6	215.2	212.1	190.5	169.0
27.5°	151.5	169.0	185.8	201.7	216.0	224.8	233.6	258.3	224.8	200.1	174.6
30°	185.0	206.5	227.2	250.3	294.2	306.9	319.7	313.3	305.3	257.5	209.7
32.5°	205.7	240.0	273.4	283.8	310.1	322.1	333.2	327.7	318.1	255.1	192.1
35°	228.8	260.7	291.8	308.5	340.4	350.0	358.7	350.0	339.6	252.7	165.8
37.5°	241.6	284.6	326.9	355.6	382.7	385.1	386.7	378.7	365.1	252.7	140.3
40°	271.1	317.3	362.7	404.2	425.7	426.5	427.3	414.6	389.8	250.3	110.0
42.5°	310.1	357.2	403.4	448.8	477.5	475.1	472.0	454.4	413.8	246.3	78.9
45°	365.9	407.4	448.8	499.9	534.9	528.6	521.4	495.1	430.5	242.4	53.4
47.5°	425.7	458.4	490.3	560.4	605.1	591.5	577.2	538.9	442.5	240.8	38.3
50°	495.1	521.4	547.7	624.2	677.6	652.1	626.6	582.8	447.2	239.2	30.3
52.5°	556.5	583.6	609.9	699.2	739.8	711.1	682.4	617.0	444.8	236.0	26.3
55°	629.8	653.7	677.6	770.9	803.6	765.3	726.3	641.8	432.9	228.8	23.9
57.5°	703.1	727.9	751.8	842.7	852.2	814.8	776.5	665.7	420.9	221.6	21.5
60°	771.7	799.6	827.5	891.3	898.5	865.0	831.5	688.8	401.8	210.5	19.1
62.5°	819.5	857.8	896.1	939.1	942.3	912.0	880.9	706.3	377.1	197.7	17.5
65°	855.4	908.0	959.8	986.2	984.6	963.0	941.5	721.5	357.2	185.8	14.3
67.5°	883.3	947.1	1010.9	1028.4	1032.4	1012.5	992.5	723.9	332.4	172.2	11.2
70°	909.6	979.8	1049.9	1083.4	1075.4	1044.4	1013.3	705.5	299.0	153.9	8.0
72.5°	931.1	1004.5	1077.8	1116.1	1097.0	1030.8	964.6	643.4	250.3	128.4	5.6
75°	931.1	1004.5	1077.0	1109.7	1044.4	912.8	780.5	479.1	146.7	75.7	4.8
77.5°	808.4	861.8	915.2	910.4	795.6	632.2	468.0	275.8	49.4	27.1	4.0
80°	510.2	545.3	580.4	562.8	406.6	291.8	176.2	92.5	17.5	10.4	3.2
82.5°	230.4	226.4	222.4	171.4	79.7	53.4	26.3	15.9	4.8	3.2	1.6
85°	51.0	49.4	47.8	35.1	23.9	15.9	8.0	4.8	2.4	2.4	1.6
87.5°	4.8	5.6	5.6	4.0	4.0	3.2	1.6	1.6	1.6	1.6	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: P560126

CATALOG NUMBER: SDL-PA1-20-830-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0	216.0
2.5°	215.2	215.2	215.2	214.5	214.5	214.5	208.9	202.5	198.5	193.7	191.3
5°	203.3	196.1	187.3	178.6	177.0	174.6	175.4	175.4	176.2	176.2	176.2
7.5°	173.0	169.0	170.6	172.2	172.2	172.2	172.2	171.4	170.6	169.8	161.8
10°	137.9	134.7	134.7	134.7	137.1	138.7	134.7	129.9	137.1	143.5	141.9
12.5°	126.8	134.7	124.4	113.2	114.8	115.6	115.6	114.8	111.6	108.4	97.3
15°	132.3	115.6	106.0	95.7	95.7	95.7	77.3	59.0	55.0	51.0	51.8
17.5°	126.8	117.2	106.0	94.1	71.0	47.0	44.6	41.5	41.5	41.5	42.3
20°	127.6	92.5	78.1	63.8	51.0	37.5	35.1	31.9	30.3	27.9	32.7
22.5°	125.2	110.0	74.9	39.9	35.1	30.3	27.9	24.7	28.7	32.7	32.7
25°	121.2	72.5	54.2	35.1	29.5	23.9	27.1	29.5	27.9	25.5	29.5
27.5°	122.0	68.6	47.0	25.5	27.1	27.9	26.3	23.9	26.3	27.9	26.3
30°	131.5	53.4	39.9	25.5	24.7	23.1	23.9	24.7	23.9	22.3	23.9
32.5°	117.2	42.3	33.5	23.9	23.1	22.3	21.5	20.7	21.5	21.5	21.5
35°	98.9	31.9	27.1	22.3	20.7	19.1	19.1	18.3	18.3	18.3	18.3
37.5°	83.7	27.1	23.9	19.9	18.3	16.7	15.9	14.3	14.3	13.6	13.6
40°	67.8	24.7	21.5	17.5	15.9	13.6	12.8	11.2	11.2	10.4	10.4
42.5°	51.0	22.3	19.1	15.1	13.6	11.2	9.6	8.0	8.0	7.2	7.2
45°	36.7	19.9	16.7	12.8	11.2	8.8	7.2	5.6	5.6	4.8	4.8
47.5°	28.7	18.3	15.1	11.2	8.8	6.4	5.6	4.0	4.0	4.0	4.0
50°	23.1	15.9	12.8	8.8	6.4	4.0	3.2	2.4	2.4	2.4	2.4
52.5°	20.7	14.3	11.2	7.2	5.6	3.2	2.4	1.6	2.4	2.4	2.4
55°	18.3	12.8	9.6	5.6	4.0	2.4	2.4	1.6	2.4	2.4	2.4
57.5°	16.7	11.2	8.0	4.0	3.2	1.6	1.6	0.8	1.6	1.6	1.6
60°	14.3	9.6	6.4	3.2	2.4	0.8	0.8	0.8	1.6	1.6	1.6
62.5°	12.8	8.0	5.6	2.4	1.6	0.8	0.8	0.8	1.6	1.6	1.6
65°	10.4	5.6	4.0	1.6	1.6	0.8	0.8	0.8	1.6	1.6	1.6
67.5°	8.0	4.0	3.2	1.6	1.6	0.8	0.8	0.8	1.6	1.6	0.8
70°	5.6	3.2	2.4	0.8	0.8	0.8	0.8	0.8	1.6	1.6	0.8
72.5°	4.0	2.4	1.6	0.8	0.8	0.0	0.8	0.8	1.6	1.6	1.6
75°	4.0	2.4	1.6	0.8	0.8	0.0	0.8	1.6	1.6	1.6	1.6
77.5°	3.2	1.6	1.6	0.8	0.8	0.0	0.8	1.6	1.6	1.6	1.6
80°	2.4	1.6	1.6	0.8	0.8	0.0	1.6	2.4	2.4	2.4	1.6
82.5°	1.6	1.6	1.6	0.8	0.8	0.0	1.6	2.4	2.4	2.4	1.6
85°	1.6	1.6	1.6	1.6	0.8	0.0	1.6	2.4	2.4	2.4	2.4
87.5°	1.6	1.6	1.6	1.6	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: P560126

CATALOG NUMBER: SDL-PA1-20-830-U-T3-HSS

CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	216.0	216.0	216.0	216.0
2.5°	188.1	188.1	187.3	189.7
5°	176.2	176.2	176.2	177.0
7.5°	153.1	147.5	141.9	142.7
10°	139.5	137.9	135.5	137.1
12.5°	86.1	81.3	75.7	73.3
15°	52.6	52.6	52.6	51.8
17.5°	43.0	39.9	35.9	36.7
20°	37.5	38.3	39.1	39.1
22.5°	32.7	31.1	29.5	29.5
25°	32.7	32.7	32.7	32.7
27.5°	24.7	24.7	23.9	23.9
30°	25.5	25.5	24.7	23.9
32.5°	20.7	20.7	20.7	20.7
35°	17.5	16.7	15.9	15.9
37.5°	13.6	12.8	12.0	12.0
40°	9.6	9.6	8.8	8.8
42.5°	7.2	7.2	6.4	6.4
45°	4.8	4.8	4.8	4.8
47.5°	3.2	3.2	3.2	3.2
50°	2.4	2.4	2.4	2.4
52.5°	2.4	2.4	1.6	1.6
55°	1.6	1.6	1.6	1.6
57.5°	1.6	1.6	1.6	1.6
60°	1.6	1.6	0.8	0.8
62.5°	0.8	0.8	0.8	0.8
65°	0.8	0.8	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°	0.8	0.8	0.0	0.0
75°	0.8	0.8	0.0	0.0
77.5°	0.8	0.8	0.0	0.0
80°	0.8	0.8	0.0	0.0
82.5°	0.8	0.8	0.8	0.0
85°	1.6	1.6	0.8	0.0
87.5°	1.6	1.6	0.8	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)