

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: P560807

Luminaire Tested: **SDL-PA1-60-827-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560807
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-60-827-U-T3-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3843.1 lumens
Efficiency: N/A
Efficacy: 61.6 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 - U3 - G2

Input Watts (W): 62.4
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

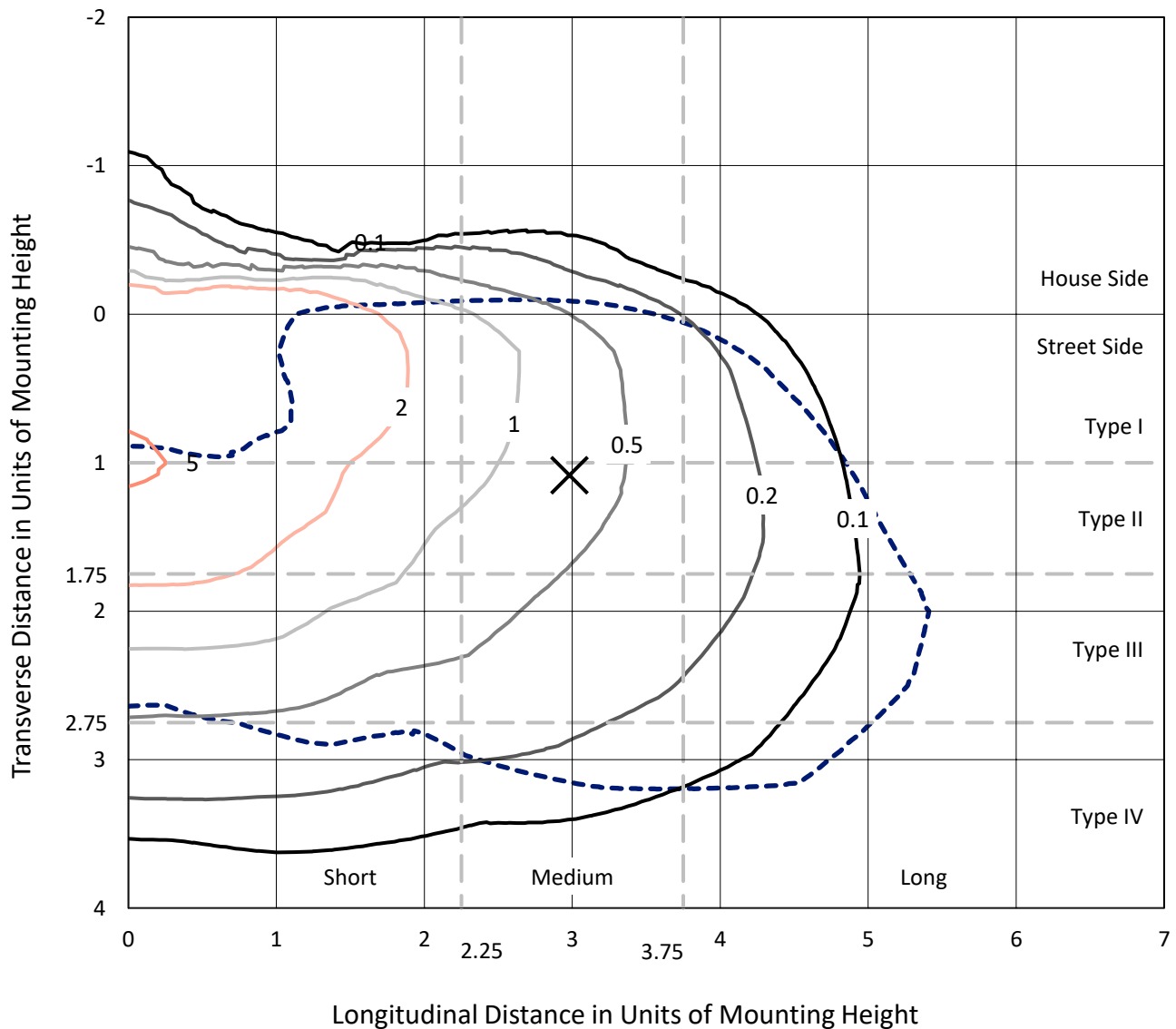


REPORT NUMBER: P560807

CATALOG NUMBER: SDL-PA1-60-827-U-T3-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

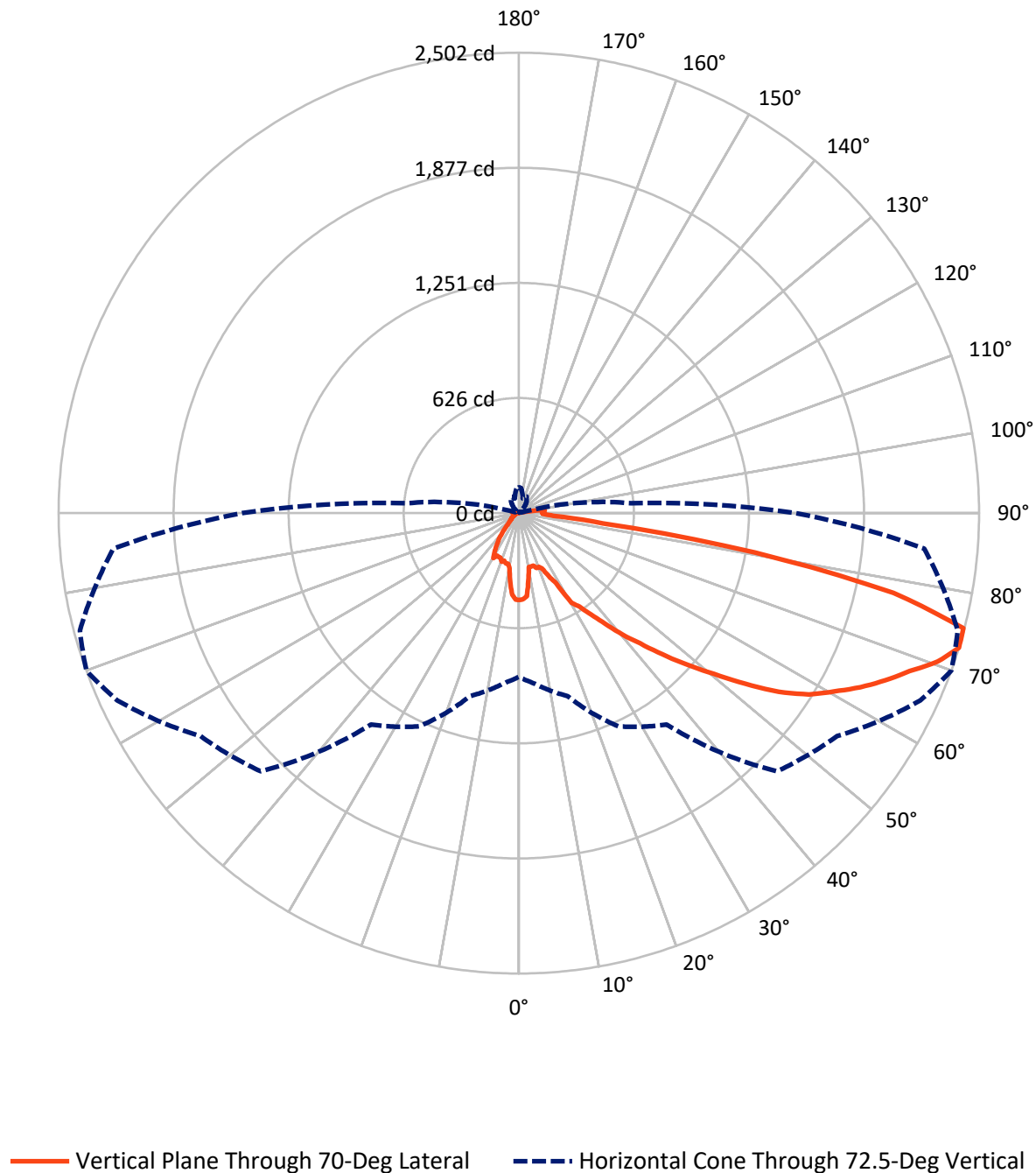


Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560807

CATALOG NUMBER: SDL-PA1-60-827-U-T3-HSS-A

Luminous Intensity Polar Plot



REPORT NUMBER: P560807

CATALOG NUMBER: SDL-PA1-60-827-U-T3-HSS-A

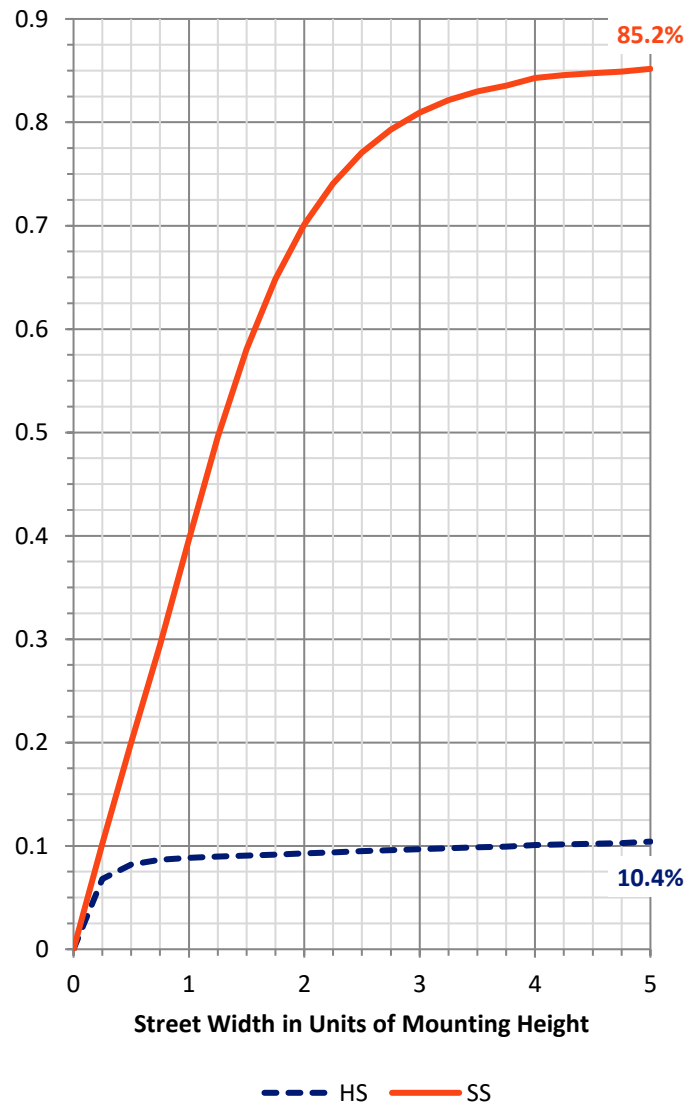
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	440.5	62.0	502.5
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	3290.5	50.1	3340.6
	% Fixture	85.6	1.3	86.9
Total	Lumens	3731.0	112.1	3843.1
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.4	0.9
10°-20°	72.0	1.9
20°-30°	116.6	3.0
30°-40°	249.1	6.5
40°-50°	489.7	12.7
50°-60°	817.8	21.3
60°-70°	1015.0	26.4
70°-80°	781.7	20.3
80°-90°	152.8	4.0
90°-100°	82.9	2.2
100°-110°	17.2	0.4
110°-120°	4.9	0.1
120°-130°	3.8	0.1
130°-140°	1.8	0.0
140°-150°	0.8	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3731.0	97.1
0°-180°	3843.1	100.0

Coefficient of Utilization



REPORT NUMBER: P560807

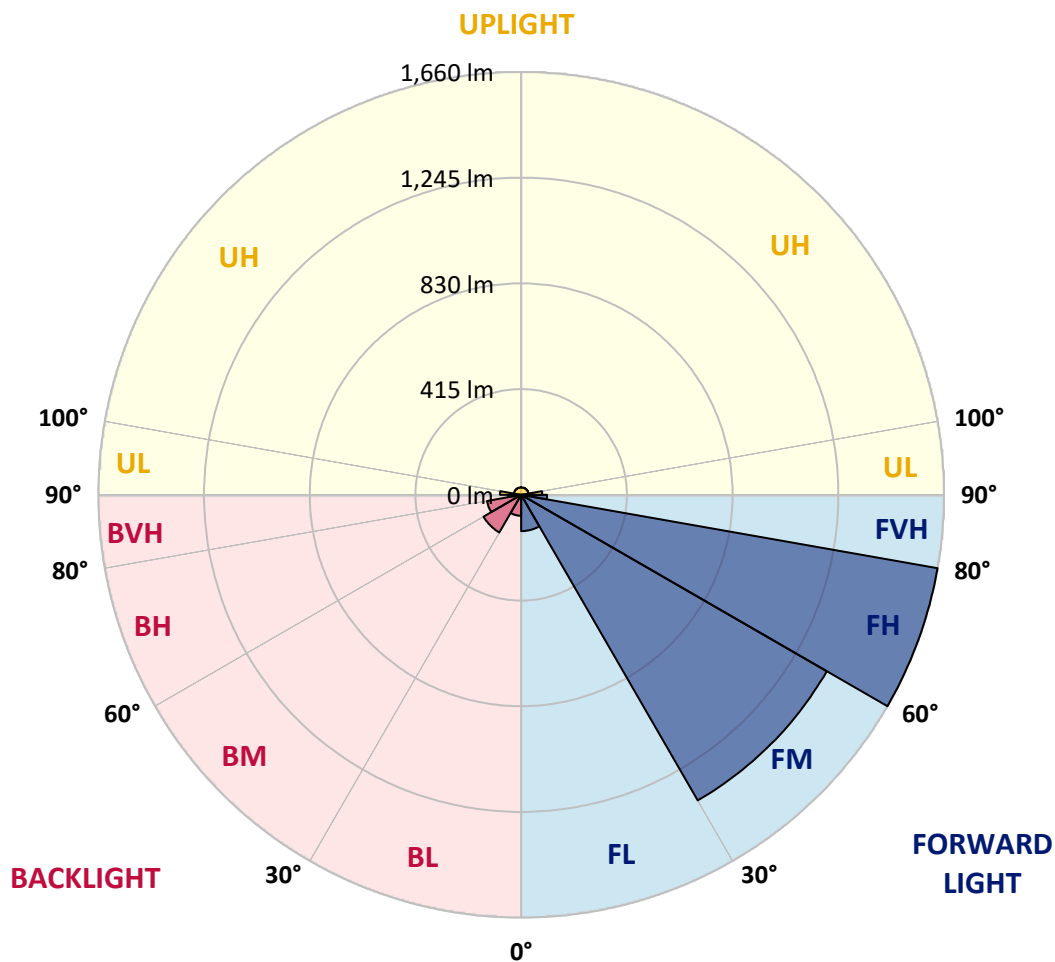
CATALOG NUMBER: SDL-PA1-60-827-U-T3-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	142.5	3.7			
FM	(30°-60°)	1385.8	36.1			
FH	(60°-80°)	1660.5	43.2			G1/1800
FVH	(80°-90°)	101.7	2.6			G2/225
BL	(0°-30°)	82.4	2.1	B0/110		
BM	(30°-60°)	170.8	4.4	B0/220		
BH	(60°-80°)	136.1	3.5	B1/500		G1/500
BVH	(80°-90°)	51.1	1.3			G1/100
UL	(90°-100°)	82.9	2.2		U3/500	
UH	(100°-180°)	29.2	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium



REPORT NUMBER: P560807

CATALOG NUMBER: SDL-PA1-60-827-U-T3-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	472.1	472.1	472.1	472.1	472.1	472.1	472.1	472.1	472.1	472.1	472.1
2.5°	398.1	442.1	444.1	448.1	452.1	458.1	468.1	468.1	468.1	468.1	470.1
5°	378.0	378.0	378.0	382.0	382.0	386.1	388.1	448.1	454.1	460.1	460.1
7.5°	314.0	344.0	346.0	358.0	372.0	378.0	382.0	378.0	372.0	396.1	406.1
10°	344.0	344.0	344.0	348.0	328.0	318.0	294.0	296.0	298.0	316.0	360.0
12.5°	286.0	304.0	322.0	342.0	316.0	284.0	278.0	294.0	298.0	266.0	316.0
15°	334.0	332.0	332.0	314.0	262.0	284.0	248.0	262.0	296.0	324.0	376.0
17.5°	276.0	268.0	312.0	308.0	280.0	224.0	286.0	284.0	314.0	290.0	324.0
20°	328.0	326.0	326.0	252.0	278.0	302.0	298.0	278.0	312.0	348.0	410.1
22.5°	276.0	272.0	280.0	302.0	276.0	312.0	272.0	344.0	328.0	318.0	298.0
25°	348.0	346.0	346.0	276.0	312.0	286.0	344.0	314.0	380.0	414.1	452.1
27.5°	312.0	312.0	298.0	320.0	298.0	360.0	330.0	396.1	430.1	452.1	546.1
30°	432.1	434.1	410.1	318.0	332.0	338.0	390.1	490.1	564.1	618.1	676.1
32.5°	622.1	610.1	510.1	434.1	352.0	418.1	432.1	570.1	606.1	664.1	714.1
35°	846.1	840.1	752.1	562.1	424.1	448.1	482.1	620.1	676.1	734.1	764.1
37.5°	1000.1	994.1	938.1	716.1	512.1	522.1	526.1	690.1	762.1	820.1	834.1
40°	1126.1	1116.1	1082.1	836.1	630.1	610.1	590.1	786.1	868.1	916.1	922.1
42.5°	1316.2	1300.2	1214.2	974.1	750.1	728.1	660.1	870.1	968.1	1032.1	1036.1
45°	1544.2	1530.2	1410.2	1166.2	878.1	872.1	784.1	978.1	1094.1	1170.2	1148.1
47.5°	1700.2	1662.2	1594.2	1350.2	1076.1	1024.1	922.1	1088.1	1230.2	1344.2	1282.2
50°	1842.2	1814.2	1756.2	1554.2	1290.2	1220.2	1066.1	1214.2	1374.2	1478.2	1394.2
52.5°	1974.3	1932.3	1884.2	1706.2	1474.2	1440.2	1208.2	1340.2	1540.2	1626.2	1510.2
55°	2040.3	1974.3	1966.3	1844.2	1616.2	1588.2	1368.2	1496.2	1714.2	1774.2	1620.2
57.5°	1932.3	1930.3	1992.3	1928.3	1732.2	1718.2	1530.2	1664.2	1860.2	1888.2	1728.2
60°	1860.2	1862.2	1956.3	1960.3	1834.2	1842.2	1676.2	1858.2	1968.3	1986.3	1830.2
62.5°	1734.2	1748.2	1890.2	1982.3	1860.2	1960.3	1800.2	1992.3	2084.3	2090.3	1956.3
65°	1576.2	1590.2	1734.2	1922.2	1832.2	2038.3	1904.2	2142.3	2190.3	2194.3	2094.3
67.5°	1392.2	1398.2	1558.2	1766.2	1764.2	2066.3	1968.3	2242.3	2292.3	2304.3	2212.3
70°	1188.2	1180.2	1326.2	1566.2	1618.2	2052.3	2046.3	2340.3	2416.3	2414.3	2294.3
72.5°	890.1	928.1	1030.1	1278.2	1402.2	1984.3	2112.3	2408.3	2502.3	2470.3	2212.3
75°	304.0	324.0	600.1	814.1	1080.1	1802.2	2126.3	2412.3	2496.3	2354.3	1810.2
77.5°	100.0	94.0	134.0	324.0	600.1	1248.2	1870.2	2104.3	2082.3	1830.2	1112.1
80°	48.0	50.0	60.0	114.0	220.0	566.1	1174.2	1332.2	1302.2	960.1	482.1
82.5°	32.0	34.0	40.0	66.0	124.0	194.0	624.1	608.1	460.1	302.0	198.0
85°	14.0	14.0	20.0	34.0	76.0	128.0	238.0	208.0	188.0	174.0	162.0
87.5°	4.0	4.0	8.0	12.0	26.0	80.0	134.0	126.0	130.0	136.0	154.0
90°	4.0	4.0	4.0	4.0	20.0	84.0	136.0	128.0	128.0	136.0	162.0
92.5°	6.0	6.0	4.0	4.0	18.0	84.0	142.0	122.0	130.0	138.0	174.0
95°	6.0	8.0	4.0	2.0	14.0	86.0	146.0	130.0	142.0	140.0	186.0
97.5°	8.0	8.0	4.0	2.0	8.0	74.0	148.0	106.0	108.0	100.0	146.0
100°	10.0	10.0	4.0	4.0	6.0	38.0	110.0	68.0	42.0	32.0	48.0
102.5°	12.0	12.0	4.0	4.0	4.0	14.0	50.0	40.0	22.0	6.0	12.0
105°	12.0	14.0	4.0	4.0	2.0	6.0	22.0	16.0	8.0	6.0	12.0
107.5°	14.0	14.0	4.0	4.0	2.0	4.0	6.0	6.0	4.0	6.0	12.0
110°	14.0	14.0	6.0	4.0	2.0	4.0	2.0	4.0	4.0	6.0	14.0

REPORT NUMBER: P560807

CATALOG NUMBER: SDL-PA1-60-827-U-T3-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	10.0	10.0	4.0	6.0	2.0	2.0	2.0	4.0	4.0	6.0	12.0
115°	6.0	4.0	2.0	4.0	2.0	2.0	2.0	4.0	4.0	4.0	10.0
117.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	6.0	12.0
120°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	8.0	14.0
122.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	8.0	16.0
125°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	6.0	14.0
127.5°	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0	4.0	6.0	12.0
130°	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	4.0	8.0
132.5°	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	4.0	8.0
135°	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0
137.5°	2.0	2.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
140°	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
142.5°	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
145°	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
147.5°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
150°	4.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
152.5°	4.0	4.0	4.0	2.0	2.0	2.0	2.0	4.0	4.0	2.0	2.0
155°	2.0	2.0	2.0	0.0	0.0	2.0	2.0	2.0	2.0	4.0	4.0
157.5°	0.0	2.0	2.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0
160°	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0
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: P560807

CATALOG NUMBER: SDL-PA1-60-827-U-T3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	472.1	472.1	472.1	472.1	472.1	472.1	472.1	472.1	472.1	472.1	472.1
2.5°	470.1	470.1	468.1	472.1	470.1	470.1	444.1	418.1	412.1	414.1	418.1
5°	462.1	462.1	462.1	430.1	394.1	382.0	386.1	386.1	386.1	384.0	388.1
7.5°	408.1	406.1	400.1	364.0	380.0	378.0	376.0	372.0	324.0	312.0	312.0
10°	362.0	362.0	310.0	296.0	296.0	308.0	316.0	304.0	298.0	288.0	286.0
12.5°	318.0	318.0	266.0	296.0	250.0	248.0	242.0	222.0	188.0	164.0	166.0
15°	378.0	378.0	314.0	252.0	210.0	198.0	124.0	116.0	112.0	110.0	108.0
17.5°	322.0	324.0	290.0	250.0	196.0	104.0	88.0	88.0	88.0	84.0	76.0
20°	408.1	408.1	338.0	224.0	148.0	82.0	68.0	60.0	82.0	82.0	82.0
22.5°	296.0	292.0	298.0	228.0	92.0	66.0	56.0	70.0	74.0	62.0	62.0
25°	448.1	442.1	362.0	164.0	76.0	52.0	62.0	54.0	70.0	70.0	70.0
27.5°	552.1	512.1	368.0	150.0	56.0	60.0	50.0	60.0	54.0	52.0	52.0
30°	664.1	646.1	444.1	118.0	54.0	50.0	52.0	48.0	56.0	52.0	52.0
32.5°	700.1	682.1	402.1	92.0	52.0	48.0	44.0	46.0	44.0	46.0	46.0
35°	746.1	728.1	356.0	70.0	48.0	42.0	40.0	40.0	38.0	36.0	36.0
37.5°	812.1	782.1	304.0	60.0	44.0	38.0	32.0	30.0	32.0	40.0	42.0
40°	888.1	838.1	240.0	54.0	38.0	32.0	24.0	28.0	34.0	34.0	34.0
42.5°	998.1	906.1	178.0	50.0	34.0	26.0	18.0	22.0	26.0	36.0	36.0
45°	1094.1	946.1	126.0	46.0	28.0	20.0	14.0	22.0	28.0	32.0	32.0
47.5°	1206.2	984.1	94.0	44.0	26.0	14.0	16.0	22.0	22.0	34.0	34.0
50°	1300.2	992.1	76.0	40.0	20.0	10.0	20.0	20.0	24.0	30.0	30.0
52.5°	1388.2	1000.1	68.0	36.0	16.0	8.0	20.0	20.0	28.0	36.0	36.0
55°	1446.2	976.1	62.0	32.0	14.0	6.0	22.0	22.0	22.0	28.0	28.0
57.5°	1492.2	946.1	58.0	28.0	12.0	12.0	24.0	28.0	24.0	28.0	28.0
60°	1522.2	892.1	50.0	26.0	10.0	12.0	30.0	36.0	28.0	42.0	42.0
62.5°	1576.2	850.1	44.0	24.0	8.0	12.0	30.0	46.0	36.0	56.0	58.0
65°	1620.2	812.1	38.0	18.0	8.0	16.0	34.0	58.0	44.0	70.0	72.0
67.5°	1638.2	766.1	32.0	16.0	8.0	18.0	44.0	72.0	56.0	82.0	82.0
70°	1624.2	718.1	26.0	16.0	8.0	28.0	58.0	84.0	68.0	100.0	102.0
72.5°	1502.2	612.1	20.0	16.0	6.0	30.0	72.0	100.0	82.0	136.0	140.0
75°	1150.1	388.1	20.0	16.0	8.0	34.0	84.0	116.0	98.0	152.0	158.0
77.5°	702.1	180.0	20.0	18.0	10.0	42.0	92.0	134.0	108.0	164.0	168.0
80°	312.0	112.0	20.0	20.0	20.0	52.0	108.0	148.0	122.0	174.0	180.0
82.5°	156.0	84.0	18.0	20.0	30.0	62.0	128.0	158.0	126.0	180.0	182.0
85°	134.0	76.0	18.0	22.0	32.0	72.0	138.0	160.0	132.0	178.0	180.0
87.5°	128.0	72.0	22.0	22.0	36.0	76.0	142.0	168.0	136.0	172.0	170.0
90°	134.0	70.0	24.0	26.0	46.0	78.0	144.0	164.0	136.0	162.0	162.0
92.5°	138.0	68.0	26.0	30.0	56.0	88.0	142.0	160.0	136.0	150.0	150.0
95°	142.0	68.0	30.0	34.0	56.0	96.0	136.0	146.0	126.0	134.0	132.0
97.5°	108.0	50.0	36.0	38.0	52.0	74.0	110.0	114.0	82.0	80.0	78.0
100°	38.0	22.0	36.0	42.0	32.0	32.0	66.0	80.0	48.0	30.0	34.0
102.5°	12.0	10.0	32.0	42.0	26.0	12.0	34.0	50.0	36.0	4.0	4.0
105°	12.0	12.0	18.0	34.0	18.0	4.0	12.0	28.0	22.0	4.0	4.0
107.5°	12.0	10.0	8.0	20.0	6.0	4.0	6.0	6.0	6.0	2.0	4.0
110°	14.0	10.0	4.0	6.0	4.0	4.0	4.0	4.0	4.0	8.0	8.0



REPORT NUMBER: P560807

CATALOG NUMBER: SDL-PA1-60-827-U-T3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.0	10.0	4.0	6.0	4.0	4.0	4.0	2.0	4.0	10.0	12.0
115°	12.0	10.0	4.0	4.0	4.0	4.0	2.0	2.0	4.0	12.0	12.0
117.5°	14.0	12.0	4.0	4.0	2.0	4.0	2.0	2.0	4.0	12.0	14.0
120°	16.0	14.0	4.0	4.0	2.0	2.0	2.0	2.0	4.0	10.0	12.0
122.5°	16.0	16.0	4.0	2.0	2.0	2.0	2.0	2.0	6.0	10.0	10.0
125°	14.0	14.0	4.0	2.0	2.0	2.0	2.0	2.0	6.0	10.0	10.0
127.5°	12.0	12.0	4.0	2.0	2.0	2.0	2.0	2.0	4.0	8.0	10.0
130°	10.0	10.0	4.0	2.0	2.0	2.0	0.0	2.0	4.0	8.0	8.0
132.5°	8.0	6.0	4.0	2.0	2.0	2.0	0.0	2.0	4.0	6.0	8.0
135°	6.0	6.0	2.0	2.0	2.0	2.0	0.0	0.0	4.0	4.0	6.0
137.5°	4.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	2.0	4.0	4.0
140°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
142.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
145°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
147.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
150°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
152.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	2.0	2.0	2.0
155°	4.0	4.0	4.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
157.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.0	2.0	2.0	2.0	2.0	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)