

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: P560803

Luminaire Tested: **SDL-PA1-60-827-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560803
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-5)
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-T2U-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS,
HOUSE SIDE SHIELD AND CLEARPANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3745.2 lumens
Efficiency: N/A
Efficacy: 60.0 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 - U3 - G1

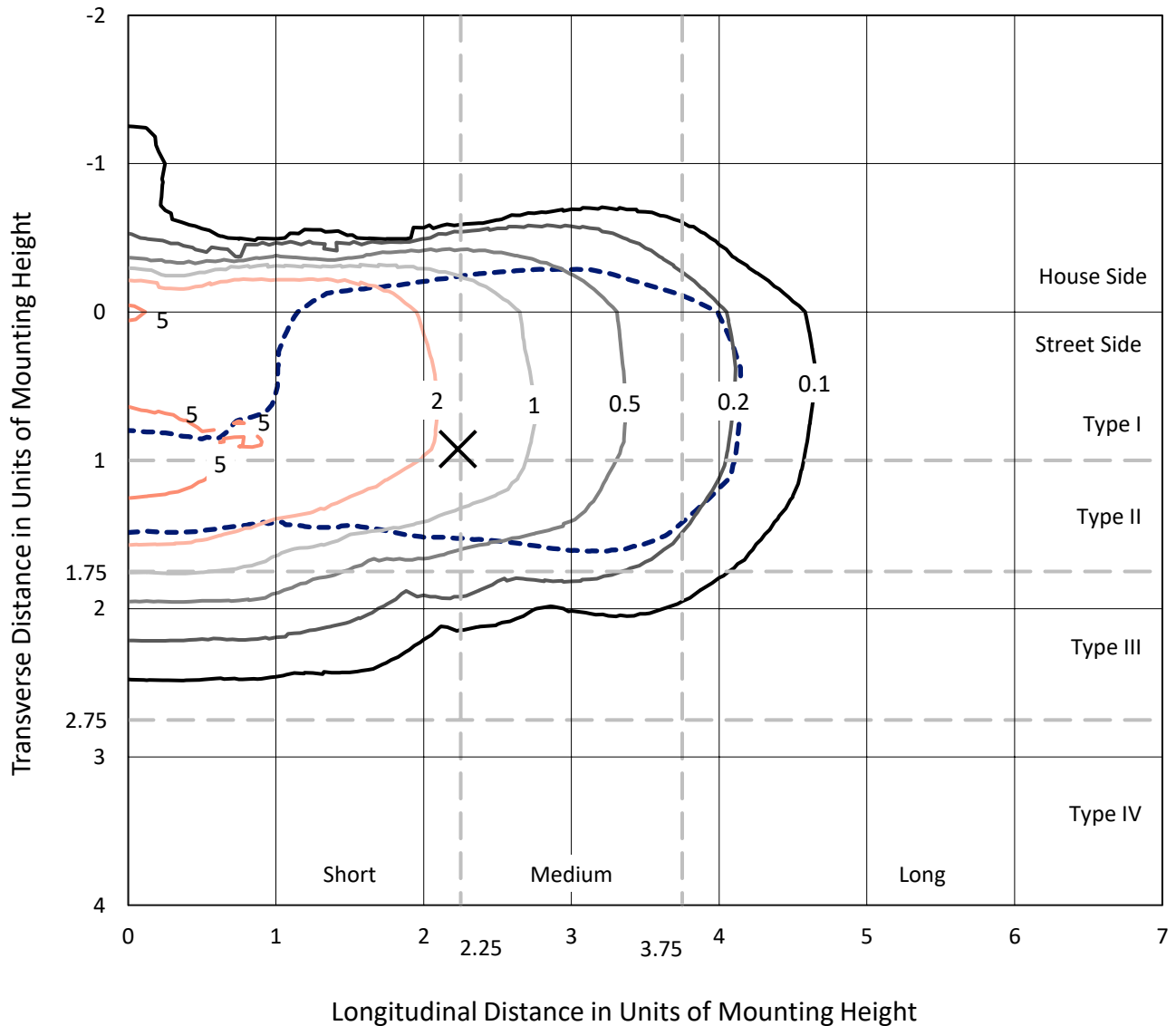
Input Watts (W): 62.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P560803
 CATALOG NUMBER: SDL-PA1-60-827-U-T2U-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

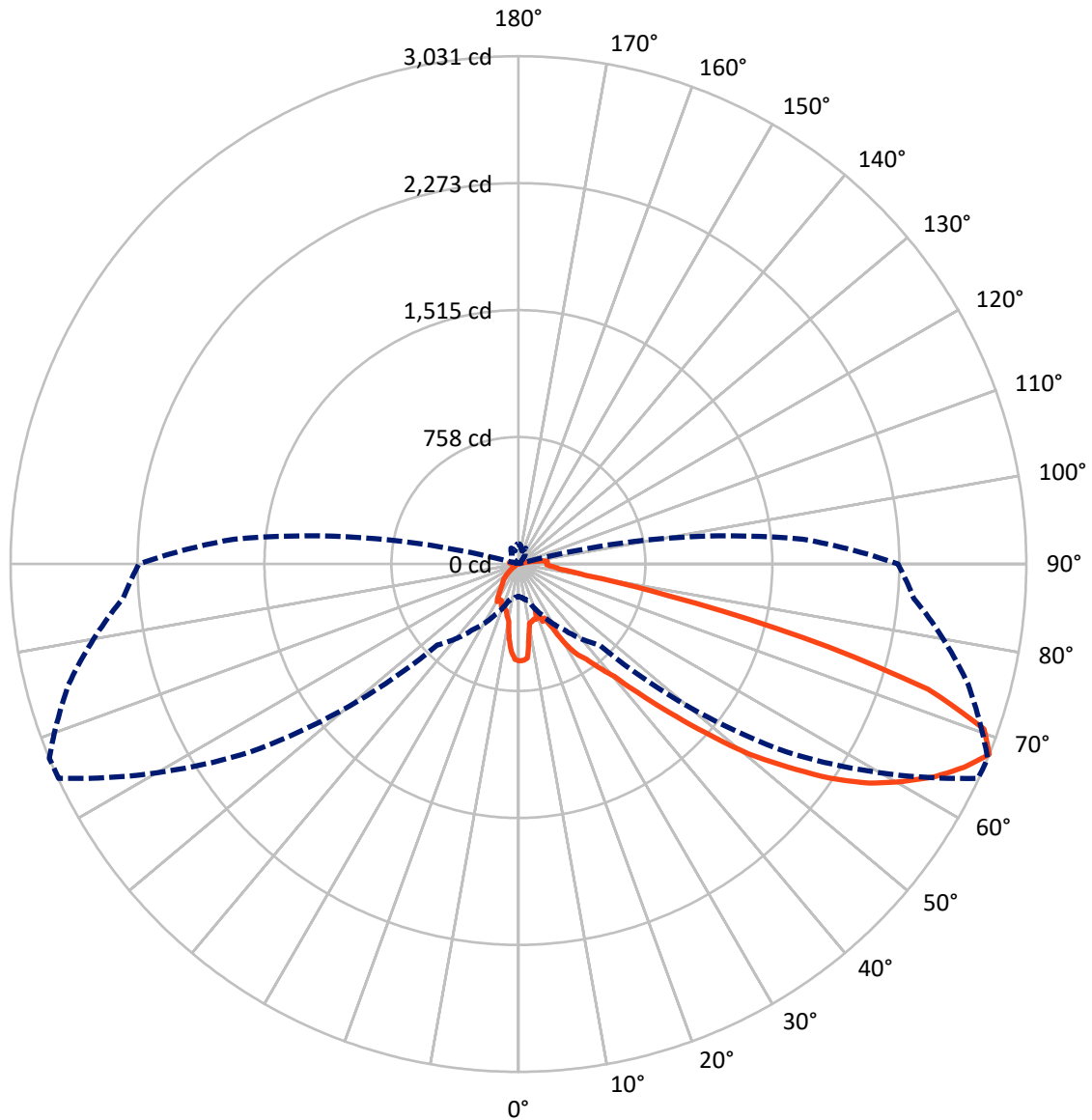
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type II - Short - N/A

REPORT NUMBER: P560803
CATALOG NUMBER: SDL-PA1-60-827-U-T2U-HSS-A

Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P560803
 CATALOG NUMBER: SDL-PA1-60-827-U-T2U-HSS-A

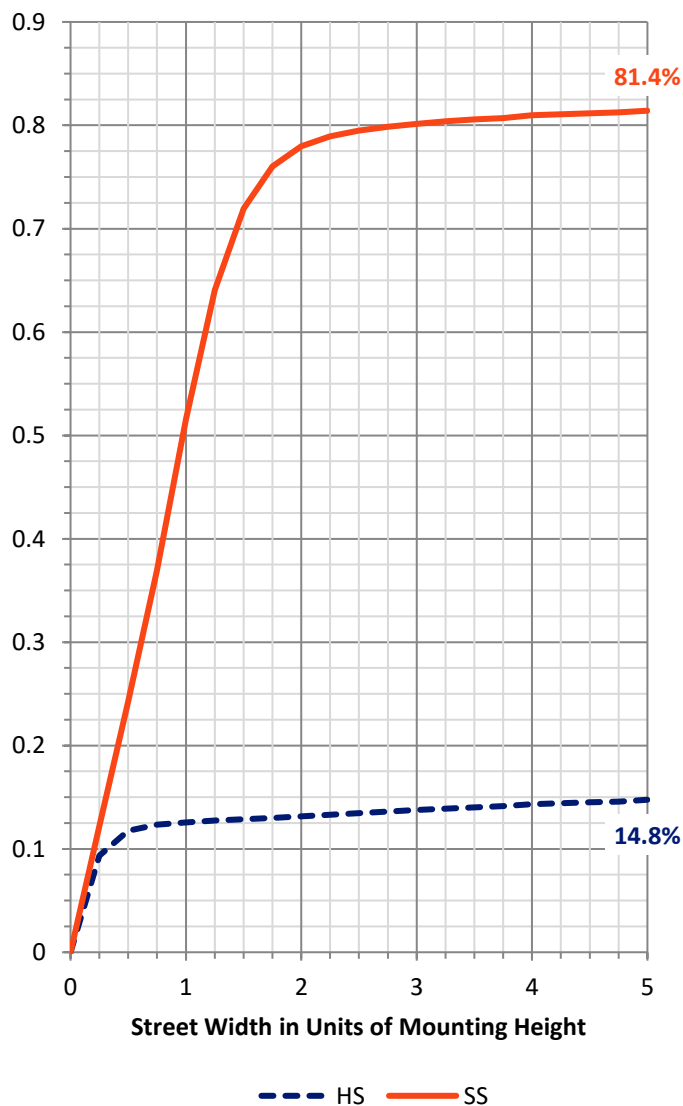
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	586.1	43.7	629.8
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	3069.0	46.4	3115.5
	% Fixture	81.9	1.2	83.2
Total	Lumens	3655.1	90.1	3745.2
	% Fixture	97.6	2.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	44.4	1.2
10°-20°	84.7	2.3
20°-30°	127.7	3.4
30°-40°	294.2	7.9
40°-50°	655.7	17.5
50°-60°	975.7	26.1
60°-70°	870.2	23.2
70°-80°	488.5	13.0
80°-90°	114.0	3.0
90°-100°	62.6	1.7
100°-110°	14.4	0.4
110°-120°	5.7	0.2
120°-130°	3.8	0.1
130°-140°	2.0	0.1
140°-150°	0.9	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3655.1	97.6
0°-180°	3745.2	100.0

Coefficient of Utilization



REPORT NUMBER: P560803

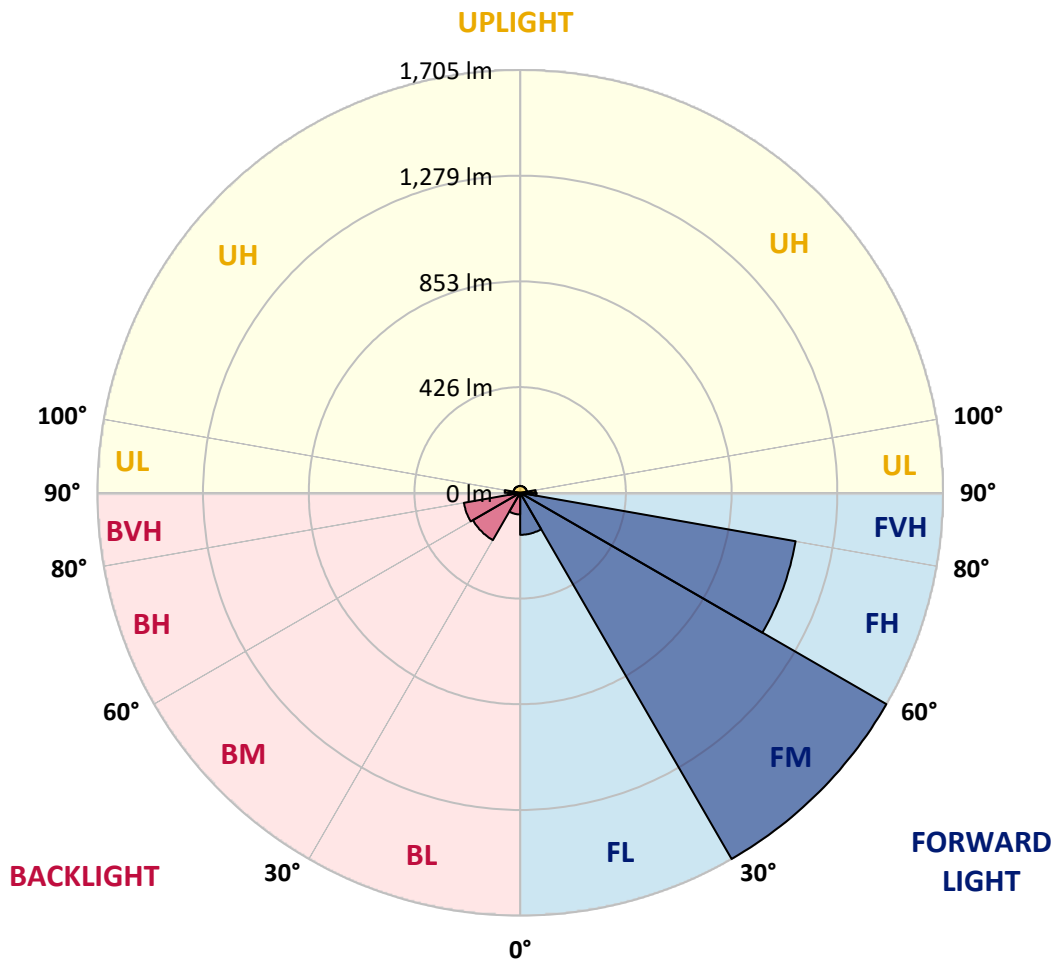
CATALOG NUMBER: SDL-PA1-60-827-U-T2U-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	169.4	4.5			
FM (30°-60°)	1705.3	45.5			
FH (60°-80°)	1128.1	30.1			G1/1800
FVH (80°-90°)	66.2	1.8			G1/100
BL (0°-30°)	87.4	2.3	B0/110		
BM (30°-60°)	220.3	5.9	B1/1000		
BH (60°-80°)	230.6	6.2	B1/500		G1/500
BVH (80°-90°)	47.8	1.3			G1/100
UL (90°-100°)	62.6	1.7		U3/500	
UH (100°-180°)	27.5	0.7		U2/50	

BUG Rating: B1-U3-G1

Type II Short





REPORT NUMBER: P560803

CATALOG NUMBER: SDL-PA1-60-827-U-T2U-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	577.7	577.7	577.7	577.7	577.7	577.7	577.7	577.7	577.7	577.7	577.7
2.5°	489.8	517.8	547.7	567.7	571.7	577.7	577.7	575.7	575.7	573.7	573.7
5°	475.8	473.8	475.8	479.8	477.8	477.8	477.8	557.7	563.7	567.7	567.7
7.5°	409.8	419.8	451.8	463.8	467.8	471.8	471.8	465.8	443.8	491.8	497.8
10°	445.8	443.8	443.8	447.8	417.8	405.8	365.8	359.8	359.8	375.8	427.8
12.5°	373.8	395.8	425.8	437.8	403.8	357.8	347.8	355.8	353.8	309.9	361.8
15°	423.8	423.8	419.8	411.8	317.9	355.8	299.9	299.9	341.8	367.8	413.8
17.5°	343.8	353.8	403.8	397.8	349.8	267.9	349.8	321.8	345.8	323.8	347.8
20°	421.8	419.8	421.8	321.8	355.8	367.8	349.8	313.9	285.9	375.8	415.8
22.5°	347.8	343.8	363.8	397.8	335.8	381.8	319.8	381.8	371.8	333.8	299.9
25°	449.8	447.8	451.8	351.8	393.8	341.8	393.8	341.8	357.8	427.8	437.8
27.5°	405.8	403.8	397.8	429.8	373.8	431.8	371.8	417.8	429.8	463.8	537.7
30°	571.7	563.7	543.7	431.8	439.8	415.8	439.8	513.8	553.7	621.7	643.7
32.5°	833.6	791.6	659.7	571.7	465.8	531.7	497.8	603.7	641.7	675.7	693.7
35°	1077.5	1059.5	963.5	755.6	567.7	587.7	561.7	675.7	697.7	769.6	765.6
37.5°	1411.3	1381.3	1233.4	975.5	713.7	705.7	639.7	769.6	785.6	889.6	869.6
40°	1661.2	1637.2	1521.3	1211.4	907.6	837.6	747.6	899.6	881.6	1021.5	993.5
42.5°	1901.1	1887.1	1797.2	1481.3	1121.5	1041.5	859.6	1059.5	1055.5	1177.4	1153.5
45°	2095.0	2079.0	2021.0	1723.2	1367.4	1369.4	1035.5	1235.4	1263.4	1379.3	1317.4
47.5°	2209.0	2175.0	2133.0	1915.1	1615.2	1683.2	1295.4	1435.3	1503.3	1603.2	1509.3
50°	2183.0	2149.0	2153.0	2037.0	1843.1	1953.1	1573.3	1647.2	1783.2	1861.1	1675.2
52.5°	1975.1	1955.1	2021.0	2015.1	1959.1	2201.0	1897.1	1877.1	2011.1	2063.0	1845.1
55°	1679.2	1651.2	1775.2	1863.1	1959.1	2354.9	2197.0	2133.0	2254.9	2246.9	1961.1
57.5°	1275.4	1285.4	1425.3	1563.3	1799.2	2384.9	2418.9	2410.9	2466.8	2398.9	2053.0
60°	871.6	877.6	1075.5	1231.4	1475.3	2227.0	2490.8	2640.8	2634.8	2526.8	2157.0
62.5°	547.7	545.7	695.7	941.6	1061.5	1813.1	2462.8	2814.7	2792.7	2622.8	2236.9
65°	315.9	323.8	377.8	623.7	737.7	1237.4	2300.9	2984.6	2922.6	2708.7	2322.9
67.5°	193.9	199.9	225.9	337.8	481.8	683.7	1957.1	3026.6	3030.6	2778.7	2368.9
70°	163.9	165.9	177.9	207.9	335.8	383.8	1317.4	2830.7	2946.6	2794.7	2354.9
72.5°	137.9	139.9	157.9	181.9	249.9	271.9	591.7	2338.9	2558.8	2672.7	2252.9
75°	102.0	104.0	129.9	165.9	181.9	217.9	323.8	1549.3	1757.2	2113.0	1921.1
77.5°	66.0	68.0	92.0	133.9	153.9	171.9	261.9	723.7	915.6	1221.4	1213.4
80°	44.0	44.0	54.0	94.0	121.9	139.9	227.9	357.8	407.8	503.8	471.8
82.5°	28.0	28.0	34.0	58.0	78.0	139.9	213.9	255.9	247.9	251.9	223.9
85°	12.0	12.0	18.0	32.0	42.0	92.0	191.9	219.9	209.9	209.9	199.9
87.5°	4.0	4.0	6.0	10.0	14.0	28.0	147.9	175.9	169.9	175.9	189.9
90°	4.0	4.0	2.0	4.0	4.0	20.0	119.9	173.9	169.9	177.9	195.9
92.5°	6.0	6.0	2.0	2.0	4.0	16.0	94.0	179.9	173.9	185.9	203.9
95°	10.0	10.0	4.0	2.0	6.0	14.0	58.0	159.9	173.9	183.9	207.9
97.5°	12.0	12.0	4.0	4.0	6.0	12.0	30.0	129.9	133.9	139.9	163.9
100°	16.0	16.0	4.0	4.0	4.0	10.0	16.0	68.0	70.0	50.0	80.0
102.5°	16.0	16.0	4.0	4.0	4.0	6.0	8.0	30.0	28.0	10.0	10.0
105°	18.0	18.0	6.0	4.0	4.0	4.0	4.0	10.0	10.0	6.0	12.0
107.5°	18.0	18.0	6.0	6.0	4.0	4.0	2.0	4.0	6.0	6.0	12.0
110°	14.0	14.0	6.0	6.0	4.0	2.0	2.0	2.0	4.0	6.0	14.0



REPORT NUMBER: P560803
 CATALOG NUMBER: SDL-PA1-60-827-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	10.0	10.0	4.0	6.0	4.0	2.0	2.0	2.0	4.0	8.0	20.0
115°	4.0	4.0	2.0	4.0	2.0	2.0	2.0	4.0	4.0	6.0	16.0
117.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	2.0	6.0	14.0
120°	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	8.0	14.0
122.5°	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	8.0	14.0
125°	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	6.0	12.0
127.5°	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	4.0	12.0
130°	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	4.0	8.0
132.5°	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	4.0	6.0
135°	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0	4.0
137.5°	2.0	2.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0
140°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
142.5°	0.0	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
145°	0.0	0.0	0.0	2.0	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°	2.0	2.0	4.0	4.0	2.0	0.0	4.0	2.0	2.0	2.0	2.0
152.5°	4.0	4.0	4.0	4.0	2.0	0.0	2.0	4.0	2.0	2.0	2.0
155°	4.0	4.0	2.0	2.0	2.0	0.0	2.0	2.0	2.0	4.0	6.0
157.5°	0.0	0.0	0.0	0.0	2.0	0.0	2.0	2.0	0.0	0.0	2.0
160°	0.0	0.0	0.0	0.0	2.0	0.0	2.0	2.0	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



REPORT NUMBER: P560803

CATALOG NUMBER: SDL-PA1-60-827-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	577.7	577.7	577.7	577.7	577.7	577.7	577.7	577.7	577.7	577.7	577.7
2.5°	571.7	571.7	569.7	569.7	563.7	561.7	535.7	507.8	485.8	487.8	487.8
5°	565.7	561.7	555.7	515.8	465.8	457.8	457.8	453.8	451.8	453.8	453.8
7.5°	493.8	489.8	465.8	445.8	447.8	443.8	435.8	433.8	399.8	365.8	363.8
10°	425.8	419.8	355.8	341.8	339.8	353.8	387.8	375.8	363.8	349.8	355.8
12.5°	355.8	353.8	295.9	327.8	285.9	293.9	301.9	289.9	247.9	199.9	205.9
15°	411.8	405.8	335.8	271.9	243.9	245.9	161.9	155.9	125.9	113.9	107.9
17.5°	305.9	335.8	293.9	271.9	245.9	127.9	104.0	80.0	72.0	58.0	60.0
20°	409.8	401.8	335.8	253.9	189.9	107.9	58.0	46.0	56.0	58.0	58.0
22.5°	289.9	281.9	283.9	269.9	133.9	62.0	44.0	46.0	42.0	40.0	40.0
25°	425.8	411.8	343.8	205.9	100.0	40.0	42.0	32.0	38.0	38.0	38.0
27.5°	517.8	469.8	361.8	199.9	56.0	40.0	30.0	32.0	26.0	26.0	26.0
30°	619.7	591.7	473.8	185.9	44.0	32.0	28.0	22.0	24.0	24.0	24.0
32.5°	665.7	627.7	473.8	147.9	38.0	30.0	22.0	20.0	20.0	22.0	22.0
35°	731.7	691.7	471.8	98.0	32.0	24.0	18.0	18.0	18.0	18.0	18.0
37.5°	831.6	773.6	479.8	62.0	26.0	20.0	14.0	16.0	16.0	34.0	34.0
40°	943.6	877.6	457.8	44.0	22.0	16.0	12.0	20.0	28.0	30.0	30.0
42.5°	1085.5	1013.5	425.8	38.0	20.0	12.0	10.0	16.0	24.0	38.0	38.0
45°	1255.4	1147.5	381.8	34.0	16.0	10.0	10.0	20.0	30.0	36.0	36.0
47.5°	1407.3	1277.4	305.9	32.0	14.0	8.0	14.0	22.0	26.0	42.0	42.0
50°	1585.3	1413.3	233.9	28.0	12.0	8.0	22.0	24.0	30.0	38.0	38.0
52.5°	1717.2	1527.3	177.9	26.0	12.0	6.0	22.0	22.0	34.0	44.0	44.0
55°	1823.1	1589.3	127.9	22.0	10.0	6.0	26.0	28.0	30.0	34.0	34.0
57.5°	1905.1	1633.2	100.0	20.0	10.0	14.0	32.0	36.0	32.0	34.0	34.0
60°	1999.1	1655.2	74.0	18.0	8.0	14.0	38.0	48.0	36.0	52.0	50.0
62.5°	2085.0	1671.2	60.0	18.0	8.0	16.0	42.0	60.0	48.0	70.0	72.0
65°	2193.0	1691.2	50.0	14.0	8.0	22.0	50.0	80.0	64.0	92.0	96.0
67.5°	2264.9	1703.2	42.0	14.0	8.0	26.0	70.0	104.0	80.0	115.9	119.9
70°	2272.9	1659.2	34.0	14.0	8.0	40.0	96.0	125.9	100.0	147.9	149.9
72.5°	2169.0	1533.3	28.0	16.0	8.0	44.0	111.9	145.9	117.9	195.9	197.9
75°	1753.2	1075.5	26.0	16.0	8.0	56.0	121.9	159.9	131.9	203.9	207.9
77.5°	1077.5	497.8	24.0	18.0	12.0	62.0	123.9	169.9	137.9	203.9	209.9
80°	417.8	245.9	22.0	20.0	28.0	70.0	133.9	171.9	137.9	189.9	197.9
82.5°	193.9	143.9	22.0	22.0	36.0	72.0	131.9	159.9	127.9	169.9	167.9
85°	173.9	141.9	24.0	24.0	38.0	62.0	104.0	135.9	109.9	133.9	133.9
87.5°	169.9	139.9	26.0	30.0	38.0	36.0	80.0	115.9	94.0	100.0	100.0
90°	173.9	145.9	28.0	34.0	32.0	20.0	64.0	96.0	72.0	64.0	62.0
92.5°	185.9	147.9	34.0	40.0	30.0	16.0	54.0	78.0	52.0	42.0	40.0
95°	195.9	151.9	42.0	48.0	32.0	14.0	48.0	62.0	38.0	26.0	24.0
97.5°	163.9	117.9	48.0	52.0	32.0	14.0	42.0	50.0	30.0	14.0	14.0
100°	70.0	52.0	50.0	56.0	30.0	12.0	36.0	40.0	20.0	6.0	8.0
102.5°	14.0	16.0	44.0	52.0	24.0	8.0	24.0	24.0	14.0	2.0	4.0
105°	14.0	12.0	28.0	44.0	14.0	4.0	10.0	14.0	6.0	2.0	2.0
107.5°	14.0	14.0	10.0	22.0	6.0	4.0	4.0	6.0	4.0	2.0	2.0
110°	16.0	14.0	4.0	6.0	4.0	4.0	4.0	4.0	2.0	10.0	12.0



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 CATALOG NUMBER: SDL-PA1-60-827-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	20.0	18.0	4.0	6.0	6.0	4.0	2.0	2.0	4.0	14.0	16.0
115°	18.0	16.0	6.0	6.0	4.0	4.0	2.0	2.0	4.0	16.0	18.0
117.5°	14.0	14.0	6.0	4.0	4.0	4.0	2.0	2.0	4.0	16.0	16.0
120°	16.0	14.0	6.0	4.0	2.0	2.0	2.0	2.0	4.0	12.0	12.0
122.5°	16.0	14.0	6.0	4.0	2.0	2.0	2.0	2.0	4.0	12.0	14.0
125°	14.0	12.0	6.0	4.0	2.0	2.0	2.0	2.0	6.0	12.0	12.0
127.5°	12.0	10.0	4.0	2.0	2.0	2.0	2.0	2.0	6.0	10.0	10.0
130°	8.0	8.0	4.0	2.0	2.0	2.0	2.0	2.0	6.0	8.0	8.0
132.5°	6.0	6.0	4.0	2.0	2.0	2.0	2.0	2.0	4.0	8.0	8.0
135°	6.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	4.0	6.0	6.0
137.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0
140°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	2.0	2.0
142.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	2.0	2.0
145°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	2.0	2.0
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	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	4.0	2.0	2.0	0.0	0.0	0.0	0.0	2.0	2.0
155°	6.0	6.0	6.0	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°	0.0	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)