

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: P560059

Luminaire Tested: **SDL-PA1-20-750-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560059
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-PA1-20-750-U-T3-HSS-A
Description: Springdale
(1) 70 CRI, 5000K, 260mA 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: 1922 lumens
Efficiency: N/A
Efficacy: 91.5 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 - U2 - 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

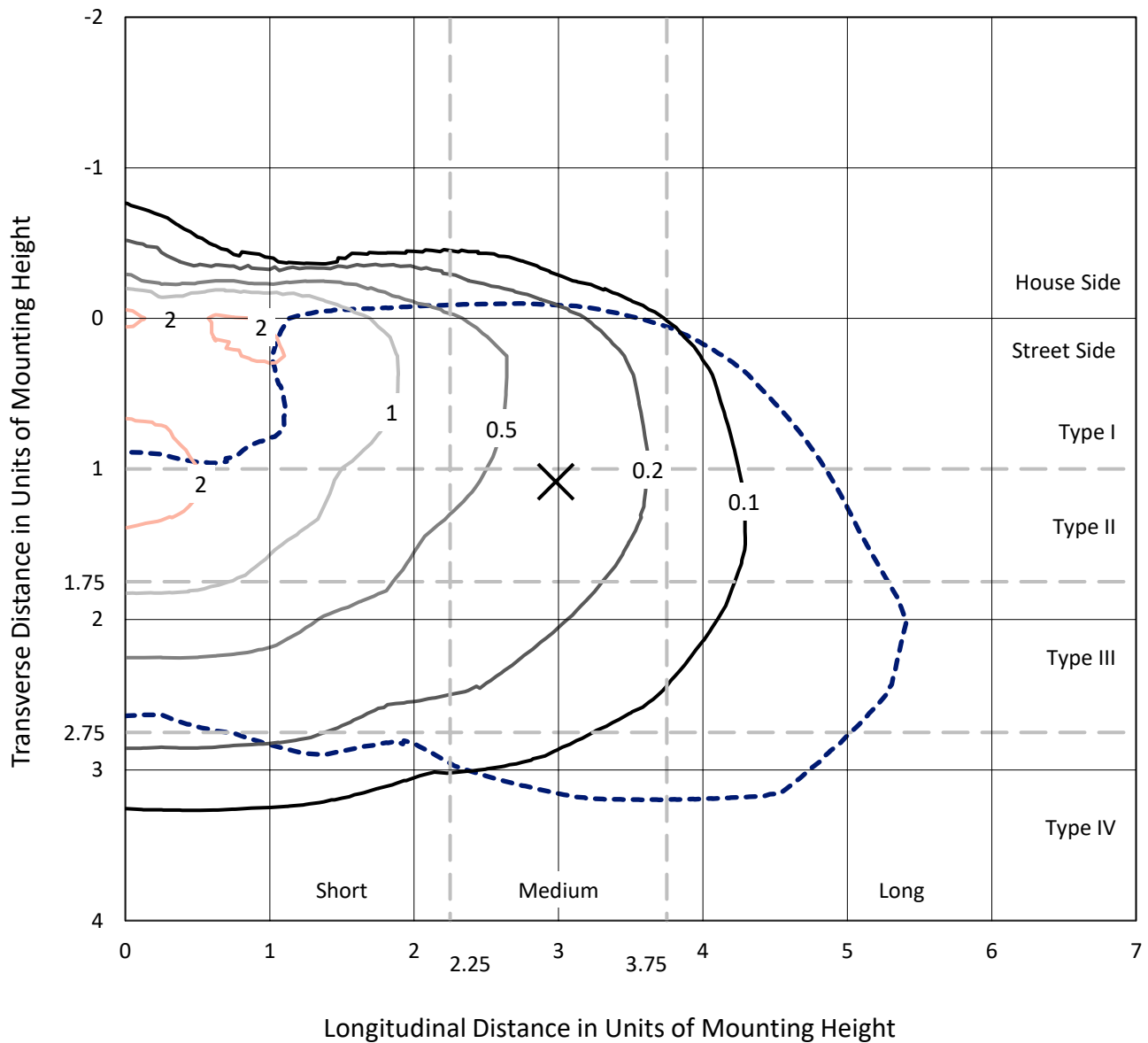


REPORT NUMBER: P560059

CATALOG NUMBER: SDL-PA1-20-750-U-T3-HSS-A

Iso-Footcandle Lines of Horizontal Illumination

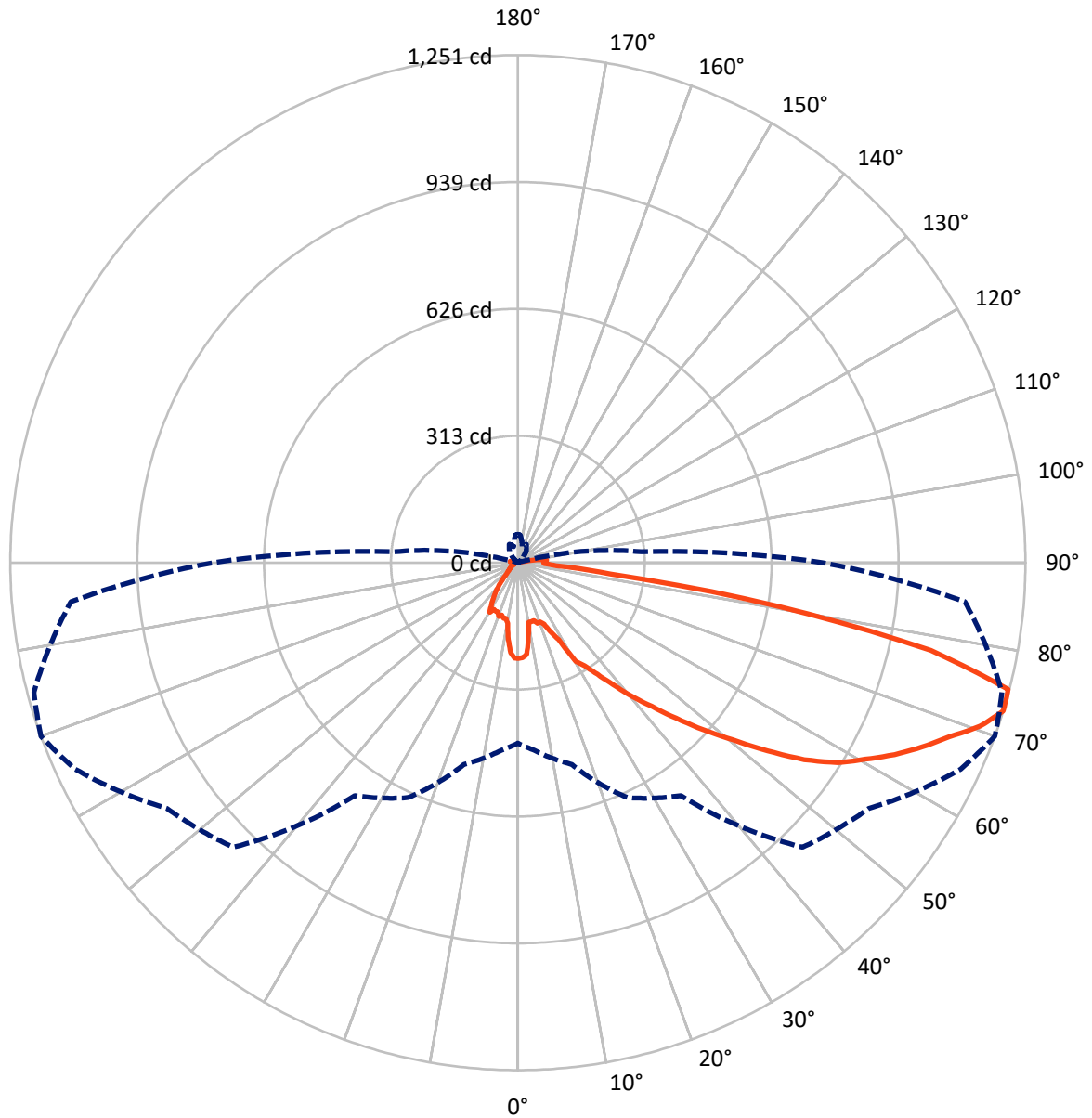
✕ Max cd
- - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.7 fc
Type IV - Medium - N/A

REPORT NUMBER: P560059
CATALOG NUMBER: SDL-PA1-20-750-U-T3-HSS-A

Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P560059

CATALOG NUMBER: SDL-PA1-20-750-U-T3-HSS-A

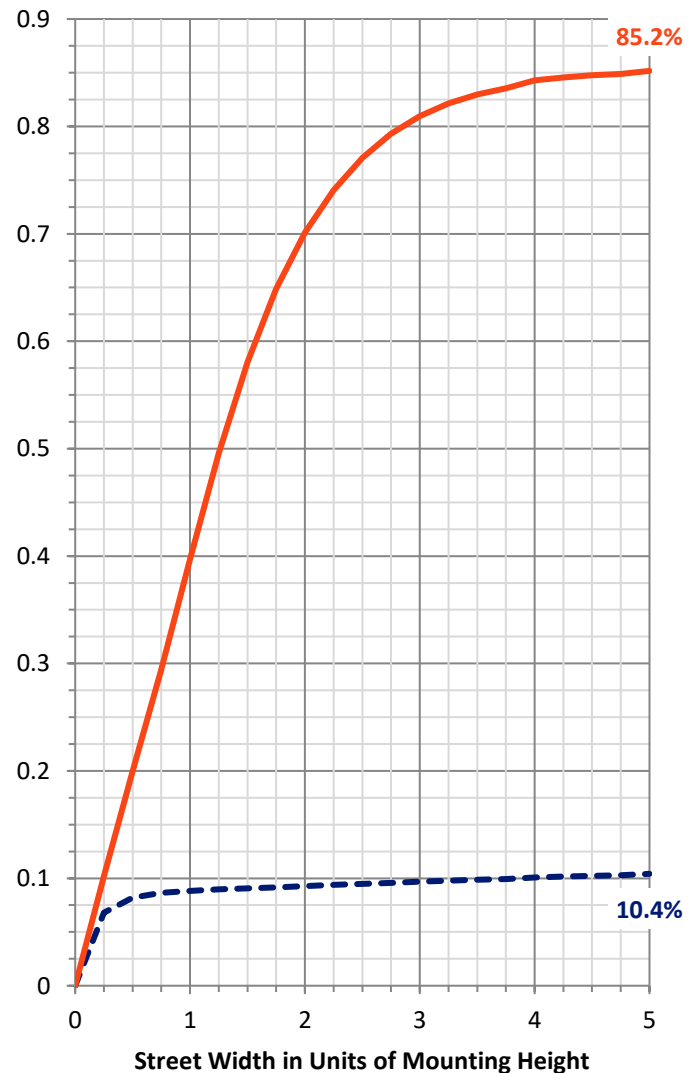
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	220.3	31.0	251.3
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	1645.6	25.1	1670.7
	% Fixture	85.6	1.3	86.9
Total	Lumens	1865.9	56.1	1922.0
	% Fixture	97.1	2.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	18.2	0.9
10°-20°	36.0	1.9
20°-30°	58.3	3.0
30°-40°	124.6	6.5
40°-50°	244.9	12.7
50°-60°	409.0	21.3
60°-70°	507.6	26.4
70°-80°	390.9	20.3
80°-90°	76.4	4.0
90°-100°	41.5	2.2
100°-110°	8.6	0.4
110°-120°	2.4	0.1
120°-130°	1.9	0.1
130°-140°	0.9	0.0
140°-150°	0.4	0.0
150°-160°	0.4	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1865.9	97.1
0°-180°	1922.0	100.0



REPORT NUMBER: P560059

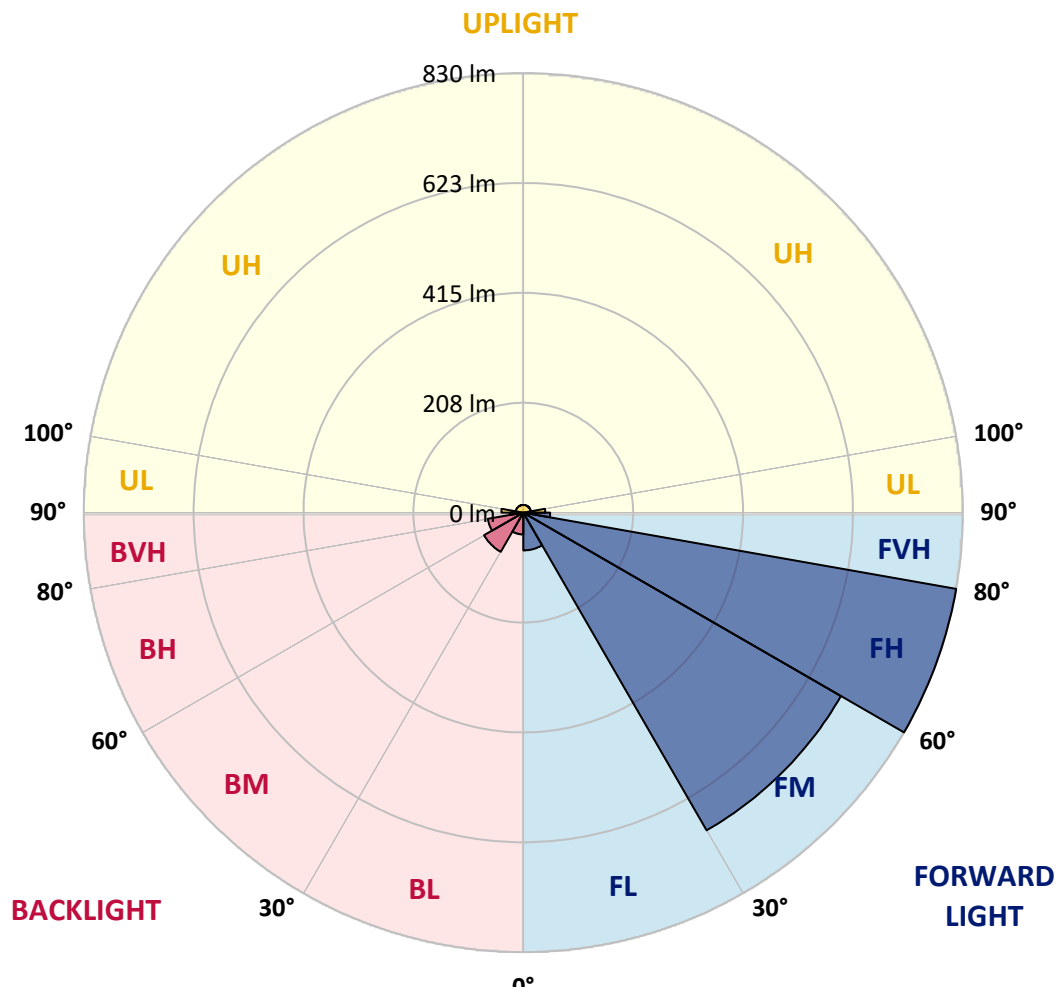
CATALOG NUMBER: SDL-PA1-20-750-U-T3-HSS-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	71.3	3.7			
FM	(30°-60°)	693.0	36.1			
FH	(60°-80°)	830.4	43.2			G1/1800
FVH	(80°-90°)	50.9	2.6			G1/100
BL	(0°-30°)	41.2	2.1	B0/110		
BM	(30°-60°)	85.4	4.4	B0/220		
BH	(60°-80°)	68.1	3.5	B0/110		G0/110
BVH	(80°-90°)	25.6	1.3			G1/100
UL	(90°-100°)	41.5	2.2		U2/50	
UH	(100°-180°)	14.6	0.8		U2/50	

BUG Rating: B0-U2-G1

Type IV Medium



REPORT NUMBER: P560059

CATALOG NUMBER: SDL-PA1-20-750-U-T3-HSS-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	236.1	236.1	236.1	236.1	236.1	236.1	236.1	236.1	236.1	236.1	236.1
2.5°	199.1	221.1	222.1	224.1	226.1	229.1	234.1	234.1	234.1	234.1	235.1
5°	189.1	189.1	189.1	191.1	191.1	193.1	194.1	224.1	227.1	230.1	230.1
7.5°	157.1	172.1	173.1	179.1	186.1	189.1	191.1	189.1	186.1	198.1	203.1
10°	172.1	172.1	172.1	174.1	164.1	159.1	147.1	148.1	149.1	158.1	180.1
12.5°	143.0	152.1	161.1	171.1	158.1	142.0	139.0	147.1	149.1	133.0	158.1
15°	167.1	166.1	166.1	157.1	131.0	142.0	124.0	131.0	148.1	162.1	188.1
17.5°	138.0	134.0	156.1	154.1	140.0	112.0	143.0	142.0	157.1	145.1	162.1
20°	164.1	163.1	163.1	126.0	139.0	151.1	149.1	139.0	156.1	174.1	205.1
22.5°	138.0	136.0	140.0	151.1	138.0	156.1	136.0	172.1	164.1	159.1	149.1
25°	174.1	173.1	173.1	138.0	156.1	143.0	172.1	157.1	190.1	207.1	226.1
27.5°	156.1	156.1	149.1	160.1	149.1	180.1	165.1	198.1	215.1	226.1	273.1
30°	216.1	217.1	205.1	159.1	166.1	169.1	195.1	245.1	282.1	309.1	338.1
32.5°	311.1	305.1	255.1	217.1	176.1	209.1	216.1	285.1	303.1	332.1	357.1
35°	423.1	420.1	376.1	281.1	212.1	224.1	241.1	310.1	338.1	367.1	382.1
37.5°	500.2	497.2	469.2	358.1	256.1	261.1	263.1	345.1	381.1	410.1	417.1
40°	563.2	558.2	541.2	418.1	315.1	305.1	295.1	393.1	434.2	458.2	461.2
42.5°	658.2	650.2	607.2	487.2	375.1	364.1	330.1	435.2	484.2	516.2	518.2
45°	772.3	765.3	705.2	583.2	439.2	436.2	392.1	489.2	547.2	585.2	574.2
47.5°	850.3	831.3	797.3	675.2	538.2	512.2	461.2	544.2	615.2	672.2	641.2
50°	921.3	907.3	878.3	777.3	645.2	610.2	533.2	607.2	687.2	739.3	697.2
52.5°	987.3	966.3	942.3	853.3	737.3	720.3	604.2	670.2	770.3	813.3	755.3
55°	1020.4	987.3	983.3	922.3	808.3	794.3	684.2	748.3	857.3	887.3	810.3
57.5°	966.3	965.3	996.3	964.3	866.3	859.3	765.3	832.3	930.3	944.3	864.3
60°	930.3	931.3	978.3	980.3	917.3	921.3	838.3	929.3	984.3	993.3	915.3
62.5°	867.3	874.3	945.3	991.3	930.3	980.3	900.3	996.3	1042.4	1045.4	978.3
65°	788.3	795.3	867.3	961.3	916.3	1019.4	952.3	1071.4	1095.4	1097.4	1047.4
67.5°	696.2	699.2	779.3	883.3	882.3	1033.4	984.3	1121.4	1146.4	1152.4	1106.4
70°	594.2	590.2	663.2	783.3	809.3	1026.4	1023.4	1170.4	1208.4	1207.4	1147.4
72.5°	445.2	464.2	515.2	639.2	701.2	992.3	1056.4	1204.4	1251.4	1235.4	1106.4
75°	152.1	162.1	300.1	407.1	540.2	901.3	1063.4	1206.4	1248.4	1177.4	905.3
77.5°	50.0	47.0	67.0	162.1	300.1	624.2	935.3	1052.4	1041.4	915.3	556.2
80°	24.0	25.0	30.0	57.0	110.0	283.1	587.2	666.2	651.2	480.2	241.1
82.5°	16.0	17.0	20.0	33.0	62.0	97.0	312.1	304.1	230.1	151.1	99.0
85°	7.0	7.0	10.0	17.0	38.0	64.0	119.0	104.0	94.0	87.0	81.0
87.5°	2.0	2.0	4.0	6.0	13.0	40.0	67.0	63.0	65.0	68.0	77.0
90°	2.0	2.0	2.0	2.0	10.0	42.0	68.0	64.0	64.0	68.0	81.0
92.5°	3.0	3.0	2.0	2.0	9.0	42.0	71.0	61.0	65.0	69.0	87.0
95°	3.0	4.0	2.0	1.0	7.0	43.0	73.0	65.0	71.0	70.0	93.0
97.5°	4.0	4.0	2.0	1.0	4.0	37.0	74.0	53.0	54.0	50.0	73.0
100°	5.0	5.0	2.0	2.0	3.0	19.0	55.0	34.0	21.0	16.0	24.0
102.5°	6.0	6.0	2.0	2.0	2.0	7.0	25.0	20.0	11.0	3.0	6.0
105°	6.0	7.0	2.0	2.0	1.0	3.0	11.0	8.0	4.0	3.0	6.0
107.5°	7.0	7.0	2.0	2.0	1.0	2.0	3.0	3.0	2.0	3.0	6.0



REPORT NUMBER: P560059

CATALOG NUMBER: SDL-PA1-20-750-U-T3-HSS-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	5.0	5.0	2.0	3.0	1.0	1.0	1.0	2.0	2.0	3.0	6.0
115°	3.0	2.0	1.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0	5.0
117.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	3.0	6.0
120°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	2.0	4.0	7.0
122.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	4.0	8.0
125°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0	3.0	7.0
127.5°	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0	2.0	3.0	6.0
130°	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	2.0	4.0
132.5°	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	2.0	4.0
135°	1.0	1.0	1.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	2.0
137.5°	1.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
140°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
142.5°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
145°	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
147.5°	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
150°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
152.5°	2.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	2.0	1.0	1.0
155°	1.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0	2.0	2.0
157.5°	0.0	1.0	1.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0
160°	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0	1.0	1.0
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: P560059

CATALOG NUMBER: SDL-PA1-20-750-U-T3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	236.1	236.1	236.1	236.1	236.1	236.1	236.1	236.1	236.1	236.1	236.1
2.5°	235.1	235.1	234.1	236.1	235.1	235.1	222.1	209.1	206.1	207.1	209.1
5°	231.1	231.1	231.1	215.1	197.1	191.1	193.1	193.1	193.1	192.1	194.1
7.5°	204.1	203.1	200.1	182.1	190.1	189.1	188.1	186.1	162.1	156.1	156.1
10°	181.1	181.1	155.1	148.1	148.1	154.1	158.1	152.1	149.1	144.1	143.0
12.5°	159.1	159.1	133.0	148.1	125.0	124.0	121.0	111.0	94.0	82.0	83.0
15°	189.1	189.1	157.1	126.0	105.0	99.0	62.0	58.0	56.0	55.0	54.0
17.5°	161.1	162.1	145.1	125.0	98.0	52.0	44.0	44.0	44.0	42.0	38.0
20°	204.1	204.1	169.1	112.0	74.0	41.0	34.0	30.0	41.0	41.0	41.0
22.5°	148.1	146.1	149.1	114.0	46.0	33.0	28.0	35.0	37.0	31.0	31.0
25°	224.1	221.1	181.1	82.0	38.0	26.0	31.0	27.0	35.0	35.0	35.0
27.5°	276.1	256.1	184.1	75.0	28.0	30.0	25.0	30.0	27.0	26.0	26.0
30°	332.1	323.1	222.1	59.0	27.0	25.0	26.0	24.0	28.0	26.0	26.0
32.5°	350.1	341.1	201.1	46.0	26.0	24.0	22.0	23.0	22.0	23.0	23.0
35°	373.1	364.1	178.1	35.0	24.0	21.0	20.0	20.0	19.0	18.0	18.0
37.5°	406.1	391.1	152.1	30.0	22.0	19.0	16.0	15.0	16.0	20.0	21.0
40°	444.2	419.1	120.0	27.0	19.0	16.0	12.0	14.0	17.0	17.0	17.0
42.5°	499.2	453.2	89.0	25.0	17.0	13.0	9.0	11.0	13.0	18.0	18.0
45°	547.2	473.2	63.0	23.0	14.0	10.0	7.0	11.0	14.0	16.0	16.0
47.5°	603.2	492.2	47.0	22.0	13.0	7.0	8.0	11.0	11.0	17.0	17.0
50°	650.2	496.2	38.0	20.0	10.0	5.0	10.0	10.0	12.0	15.0	15.0
52.5°	694.2	500.2	34.0	18.0	8.0	4.0	10.0	10.0	14.0	18.0	18.0
55°	723.3	488.2	31.0	16.0	7.0	3.0	11.0	11.0	11.0	14.0	14.0
57.5°	746.3	473.2	29.0	14.0	6.0	6.0	12.0	14.0	12.0	14.0	14.0
60°	761.3	446.2	25.0	13.0	5.0	6.0	15.0	18.0	14.0	21.0	21.0
62.5°	788.3	425.1	22.0	12.0	4.0	6.0	15.0	23.0	18.0	28.0	29.0
65°	810.3	406.1	19.0	9.0	4.0	8.0	17.0	29.0	22.0	35.0	36.0
67.5°	819.3	383.1	16.0	8.0	4.0	9.0	22.0	36.0	28.0	41.0	41.0
70°	812.3	359.1	13.0	8.0	4.0	14.0	29.0	42.0	34.0	50.0	51.0
72.5°	751.3	306.1	10.0	8.0	3.0	15.0	36.0	50.0	41.0	68.0	70.0
75°	575.2	194.1	10.0	8.0	4.0	17.0	42.0	58.0	49.0	76.0	79.0
77.5°	351.1	90.0	10.0	9.0	5.0	21.0	46.0	67.0	54.0	82.0	84.0
80°	156.1	56.0	10.0	10.0	10.0	26.0	54.0	74.0	61.0	87.0	90.0
82.5°	78.0	42.0	9.0	10.0	15.0	31.0	64.0	79.0	63.0	90.0	91.0
85°	67.0	38.0	9.0	11.0	16.0	36.0	69.0	80.0	66.0	89.0	90.0
87.5°	64.0	36.0	11.0	11.0	18.0	38.0	71.0	84.0	68.0	86.0	85.0
90°	67.0	35.0	12.0	13.0	23.0	39.0	72.0	82.0	68.0	81.0	81.0
92.5°	69.0	34.0	13.0	15.0	28.0	44.0	71.0	80.0	68.0	75.0	75.0
95°	71.0	34.0	15.0	17.0	28.0	48.0	68.0	73.0	63.0	67.0	66.0
97.5°	54.0	25.0	18.0	19.0	26.0	37.0	55.0	57.0	41.0	40.0	39.0
100°	19.0	11.0	18.0	21.0	16.0	16.0	33.0	40.0	24.0	15.0	17.0
102.5°	6.0	5.0	16.0	21.0	13.0	6.0	17.0	25.0	18.0	2.0	2.0
105°	6.0	6.0	9.0	17.0	9.0	2.0	6.0	14.0	11.0	2.0	2.0
107.5°	6.0	5.0	4.0	10.0	3.0	2.0	3.0	3.0	3.0	1.0	2.0



REPORT NUMBER: P560059

CATALOG NUMBER: SDL-PA1-20-750-U-T3-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	7.0	5.0	2.0	3.0	2.0	2.0	2.0	1.0	2.0	5.0	6.0
115°	6.0	5.0	2.0	2.0	2.0	2.0	1.0	1.0	2.0	6.0	6.0
117.5°	7.0	6.0	2.0	2.0	1.0	2.0	1.0	1.0	2.0	6.0	7.0
120°	8.0	7.0	2.0	2.0	1.0	1.0	1.0	1.0	2.0	5.0	6.0
122.5°	8.0	8.0	2.0	1.0	1.0	1.0	1.0	1.0	3.0	5.0	5.0
125°	7.0	7.0	2.0	1.0	1.0	1.0	1.0	1.0	3.0	5.0	5.0
127.5°	6.0	6.0	2.0	1.0	1.0	1.0	1.0	1.0	2.0	4.0	5.0
130°	5.0	5.0	2.0	1.0	1.0	1.0	0.0	1.0	2.0	4.0	4.0
132.5°	4.0	3.0	2.0	1.0	1.0	1.0	0.0	1.0	2.0	3.0	4.0
135°	3.0	3.0	1.0	1.0	1.0	1.0	0.0	0.0	2.0	2.0	3.0
137.5°	2.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	2.0	2.0
140°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
142.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
145°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
147.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
150°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
152.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	1.0	1.0
155°	2.0	2.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0
157.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.0	1.0	1.0	1.0	1.0	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



Report Generated By 670245982



--- HS --- SS



u



110° | 7.0 7.0 3.0 2.0 1.0 2.0 1.0 2.0 2.0 3.0 7.0



110°	7.0	5.0	2.0	3.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0
------	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----	-----



(END OF REPORT)