

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: P560072

Luminaire Tested: **SDL-PA1-20-760-U-T2R-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560072
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-19)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-760-U-T2R-A
Description: Springdale
(1) 70 CRI, 5700K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE II R OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2259 lumens
Efficiency: N/A
Efficacy: 107.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B1 - U2 - G1

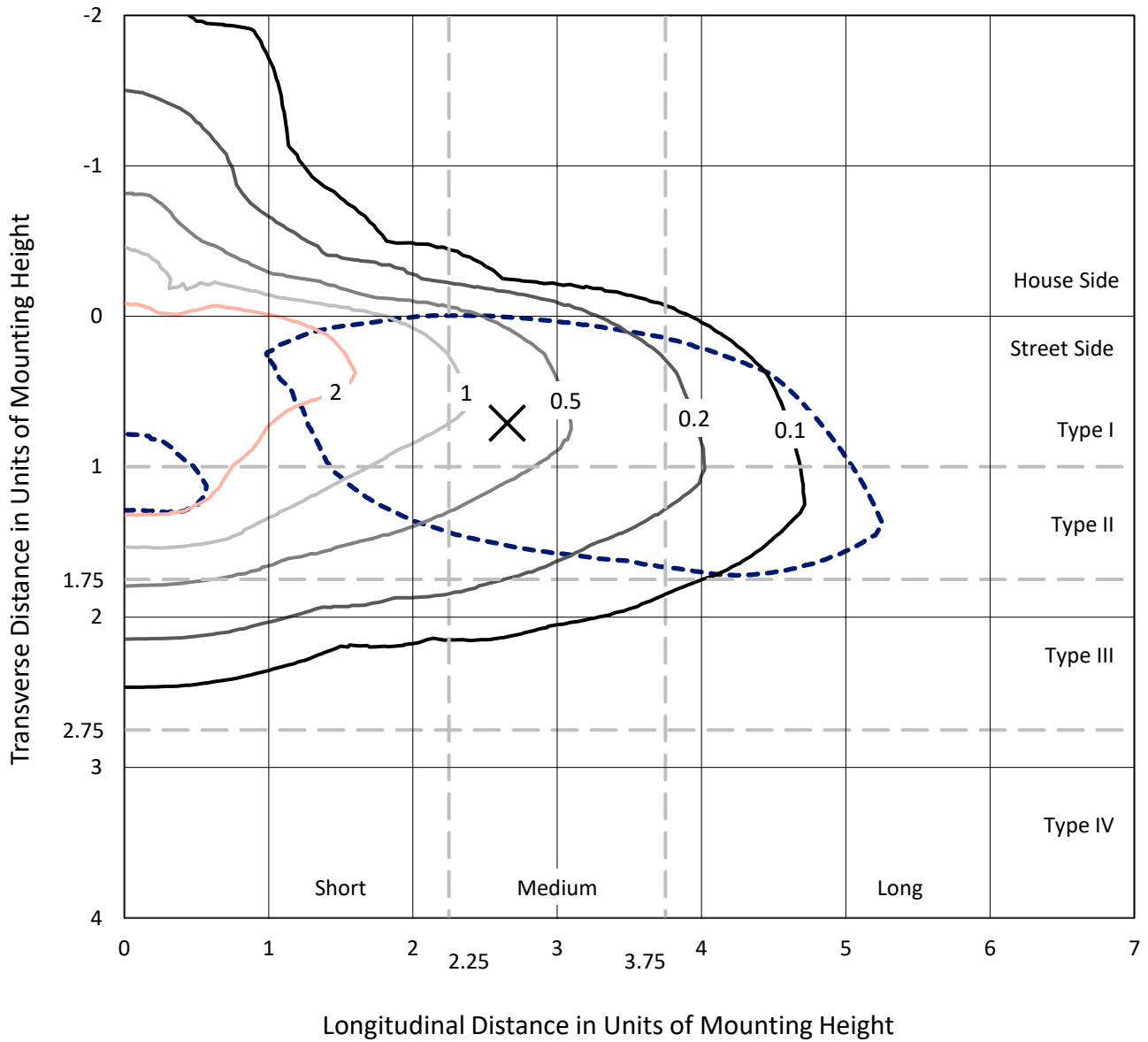
Input Watts (W): 21
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P560072
 CATALOG NUMBER: SDL-PA1-20-760-U-T2R-A

Iso-Footcandle Lines of Horizontal Illumination

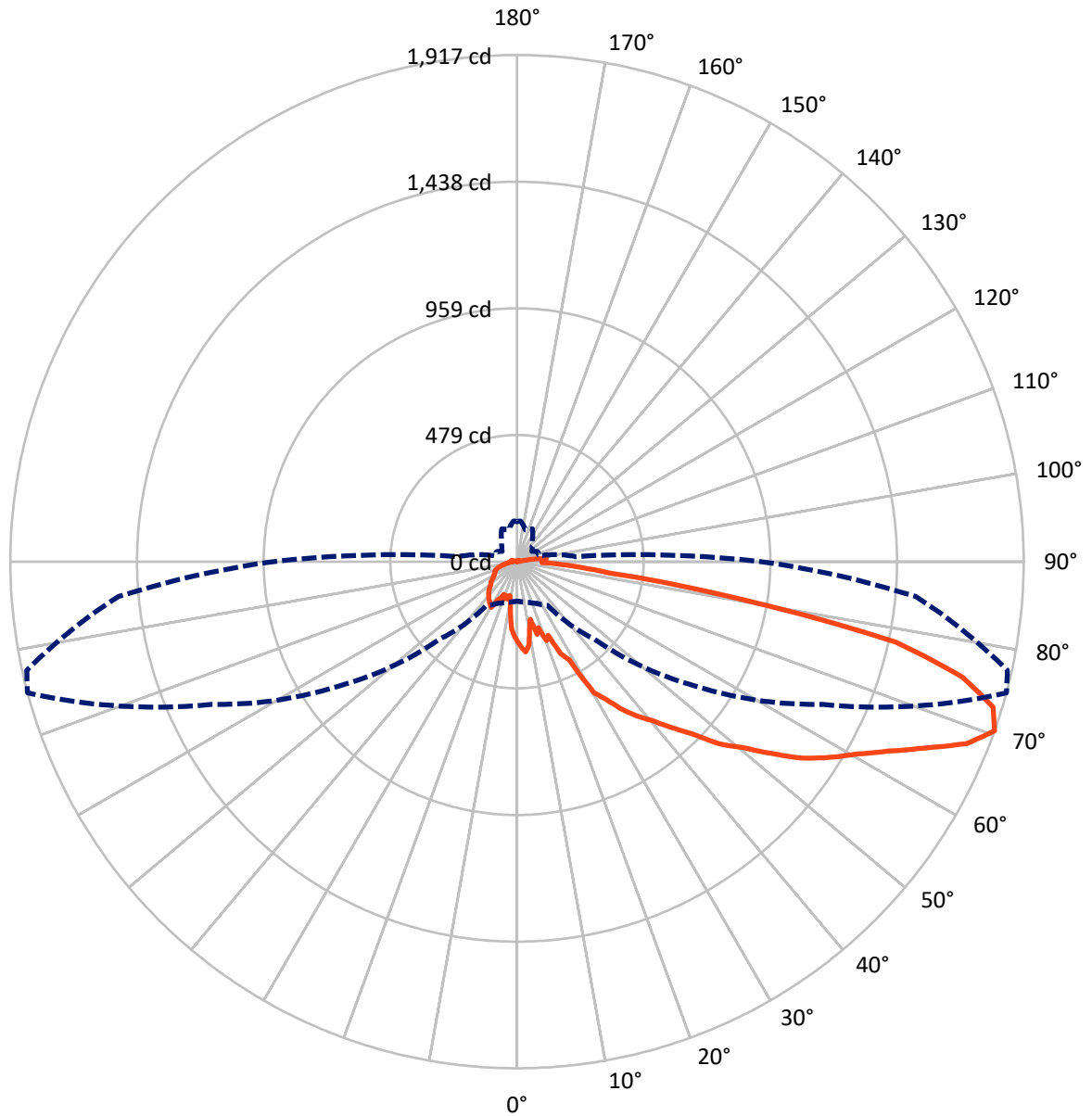
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.7 fc
 Type II - Medium - N/A

REPORT NUMBER: P560072
CATALOG NUMBER: SDL-PA1-20-760-U-T2R-A

Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P560072

CATALOG NUMBER: SDL-PA1-20-760-U-T2R-A

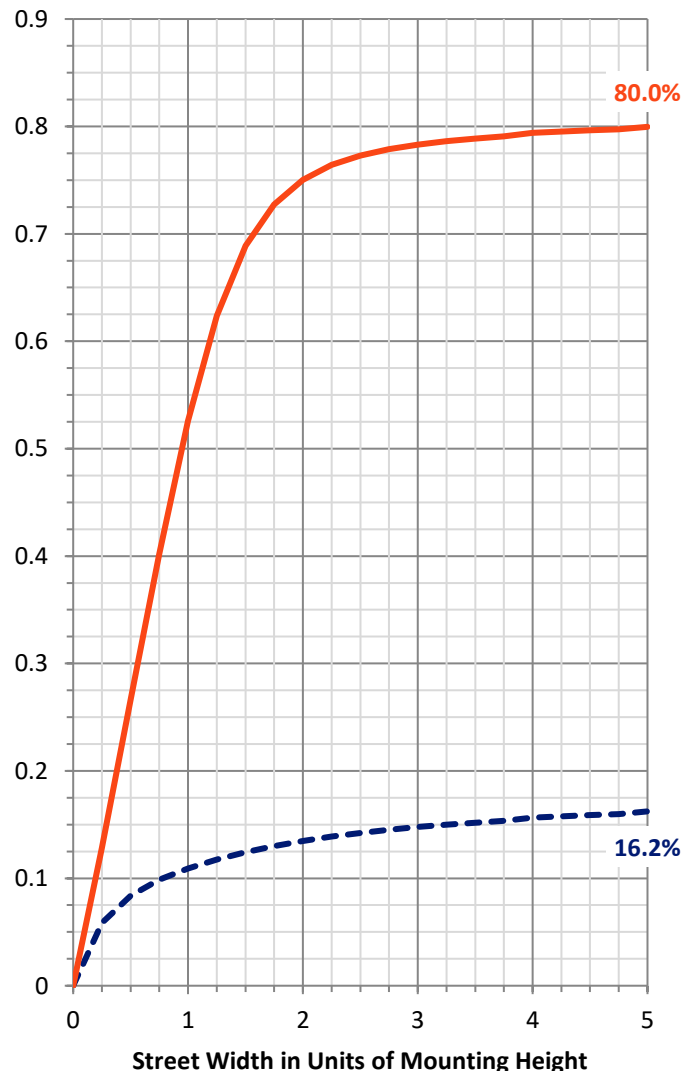
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	386.2	23.1	409.3
	% Fixture	17.1	1.0	18.1
Street Side	Lumens	1820.5	29.2	1849.7
	% Fixture	80.6	1.3	81.9
Total	Lumens	2206.7	52.3	2259.0
	% Fixture	97.7	2.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.2	1.1
10°-20°	65.9	2.9
20°-30°	119.0	5.3
30°-40°	243.1	10.8
40°-50°	381.7	16.9
50°-60°	468.7	20.7
60°-70°	466.2	20.6
70°-80°	344.8	15.3
80°-90°	92.1	4.1
90°-100°	34.1	1.5
100°-110°	8.0	0.4
110°-120°	3.8	0.2
120°-130°	3.4	0.1
130°-140°	1.6	0.1
140°-150°	0.8	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2206.7	97.7
0°-180°	2259.0	100.0

Coefficient of Utilization



REPORT NUMBER: P560072

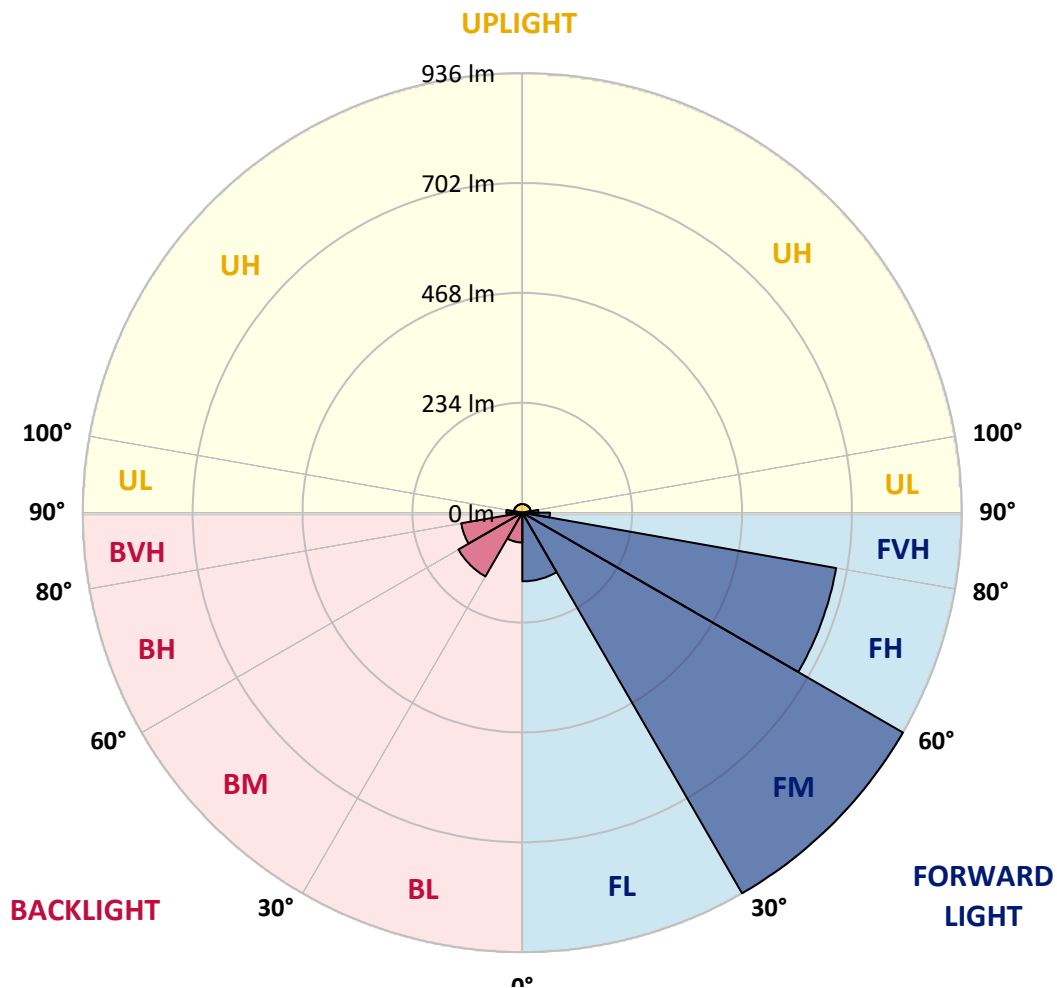
CATALOG NUMBER: SDL-PA1-20-760-U-T2R-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	146.4	6.5			
FM (30°-60°)	936.4	41.5			
FH (60°-80°)	678.9	30.1			G1/1800
FVH (80°-90°)	58.8	2.6			G1/100
BL (0°-30°)	63.7	2.8	B0/110		
BM (30°-60°)	157.1	7.0	B0/220		
BH (60°-80°)	132.1	5.8	B1/500		G1/500
BVH (80°-90°)	33.3	1.5			G1/100
UL (90°-100°)	34.1	1.5		U2/50	
UH (100°-180°)	18.3	0.8		U2/50	

BUG Rating: B1-U2-G1

Type II Medium





REPORT NUMBER: P560072

CATALOG NUMBER: SDL-PA1-20-760-U-T2R-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
0°	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8
2.5°	314.3	331.9	339.9	348.7	356.6	352.2	345.2	334.6	324.9	321.3	310.7
5°	346.9	345.2	344.3	341.6	337.2	329.3	319.6	357.5	342.5	336.3	318.7
7.5°	305.4	354.0	359.3	364.6	362.8	353.1	340.8	306.3	319.6	311.6	289.6
10°	373.4	373.4	371.7	373.4	353.1	337.2	288.7	268.4	258.7	279.8	259.5
12.5°	317.8	346.1	381.4	388.4	357.5	313.4	293.1	283.4	223.3	220.7	236.6
15°	369.9	374.3	375.2	376.9	304.6	328.4	271.0	251.6	285.1	277.2	279.8
17.5°	297.5	301.9	359.3	355.8	327.5	262.2	316.9	284.3	262.2	252.5	248.9
20°	374.3	375.2	372.5	301.0	316.0	342.5	296.6	287.8	319.6	318.7	305.4
22.5°	318.7	319.6	329.3	362.8	326.6	346.1	298.4	359.3	302.8	303.7	235.7
25°	426.4	427.3	418.4	323.1	367.2	324.9	361.9	323.1	386.7	374.3	345.2
27.5°	447.6	414.9	381.4	400.8	350.5	403.4	344.3	391.1	420.2	417.6	422.0
30°	567.6	569.4	546.4	438.7	410.5	398.1	397.3	464.3	575.6	580.0	506.7
32.5°	768.9	758.3	645.3	541.1	442.3	485.5	445.8	537.6	622.4	619.7	542.9
35°	860.7	850.1	807.7	668.3	511.1	524.4	503.2	572.0	686.8	666.5	579.1
37.5°	938.4	936.6	901.3	736.2	580.9	600.3	537.6	614.4	742.4	721.2	616.2
40°	1005.5	999.3	968.4	797.2	652.4	653.3	580.9	665.6	791.9	797.2	652.4
42.5°	1061.1	1055.8	1030.2	858.1	694.7	700.0	626.8	717.7	858.1	867.8	708.9
45°	1084.1	1086.7	1069.0	912.8	732.7	742.4	681.5	770.7	928.7	936.6	759.2
47.5°	1100.8	1101.7	1097.3	957.8	773.3	777.7	735.4	818.3	1031.1	1015.2	818.3
50°	1062.9	1059.3	1063.8	992.2	808.6	813.9	780.4	867.8	1104.4	1084.1	880.1
52.5°	963.1	967.5	1013.4	974.6	820.1	830.7	822.8	911.0	1205.9	1190.0	968.4
55°	712.4	731.8	864.2	902.2	819.2	837.8	861.6	993.1	1312.7	1288.9	1043.4
57.5°	576.5	576.5	654.1	778.6	774.2	833.3	901.3	1048.7	1397.4	1380.7	1118.5
60°	462.6	462.6	505.0	617.9	686.8	811.3	941.9	1130.8	1477.8	1468.1	1184.7
62.5°	362.8	361.9	397.3	460.8	563.2	762.7	963.1	1201.5	1578.4	1576.6	1290.6
65°	262.2	265.7	295.7	335.5	442.3	671.8	962.2	1265.0	1699.4	1704.7	1409.8
67.5°	194.2	196.0	212.8	241.9	303.7	557.0	919.9	1309.2	1836.2	1827.4	1485.7
70°	149.2	151.8	158.9	173.9	202.2	414.0	817.5	1278.3	1917.4	1900.6	1514.0
72.5°	125.4	126.2	125.4	133.3	135.1	280.7	655.0	1160.9	1883.9	1857.4	1436.3
75°	106.8	105.9	105.1	106.8	99.8	185.4	469.6	982.5	1739.1	1693.2	1268.6
77.5°	91.8	90.9	87.4	88.3	79.5	136.8	320.4	770.7	1465.4	1357.7	953.4
80°	75.9	75.9	73.3	73.3	67.1	104.2	204.8	531.4	853.6	768.0	496.1
82.5°	59.1	58.3	58.3	60.0	57.4	81.2	134.2	264.8	352.2	330.2	232.2
85°	31.8	31.8	36.2	40.6	39.7	49.4	102.4	156.3	208.3	201.3	129.8
87.5°	9.7	9.7	10.6	13.2	14.1	26.5	64.4	75.9	94.5	104.2	102.4
90°	10.6	9.7	7.1	7.9	8.8	19.4	60.0	73.3	95.3	105.9	108.6
92.5°	12.4	11.5	7.1	7.1	8.8	15.9	57.4	71.5	104.2	114.8	117.4
95°	13.2	12.4	7.1	7.1	8.8	14.1	51.2	70.6	111.2	125.4	125.4
97.5°	12.4	11.5	5.3	6.2	7.9	12.4	39.7	58.3	77.7	85.6	98.9
100°	10.6	10.6	3.5	5.3	7.1	8.8	23.0	31.8	23.0	22.1	22.1
102.5°	9.7	9.7	3.5	4.4	5.3	6.2	10.6	16.8	5.3	6.2	7.9
105°	9.7	10.6	2.6	3.5	3.5	3.5	5.3	8.8	4.4	5.3	7.9
107.5°	9.7	10.6	2.6	2.6	3.5	2.6	2.6	3.5	4.4	5.3	8.8



REPORT NUMBER: P560072

CATALOG NUMBER: SDL-PA1-20-760-U-T2R-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77.5°	85°
112.5°	6.2	6.2	1.8	2.6	2.6	2.6	1.8	2.6	4.4	6.2	8.8
115°	4.4	3.5	1.8	2.6	1.8	2.6	1.8	2.6	4.4	6.2	7.9
117.5°	3.5	2.6	1.8	1.8	1.8	1.8	0.9	2.6	5.3	7.1	9.7
120°	3.5	3.5	1.8	1.8	1.8	1.8	0.9	2.6	7.9	8.8	12.4
122.5°	3.5	3.5	1.8	1.8	1.8	1.8	0.9	1.8	7.1	9.7	13.2
125°	3.5	3.5	1.8	1.8	1.8	1.8	0.9	1.8	6.2	8.8	11.5
127.5°	3.5	3.5	1.8	0.9	1.8	1.8	1.8	1.8	5.3	7.1	9.7
130°	3.5	3.5	1.8	0.9	1.8	1.8	1.8	1.8	4.4	5.3	7.9
132.5°	2.6	2.6	1.8	0.9	1.8	0.9	0.9	1.8	3.5	4.4	6.2
135°	1.8	1.8	1.8	0.9	1.8	0.9	0.9	0.9	1.8	2.6	4.4
137.5°	0.9	1.8	0.9	0.9	1.8	0.9	0.9	0.9	0.9	0.9	1.8
140°	0.9	0.9	0.9	0.9	1.8	0.9	0.9	0.9	0.9	0.9	0.9
142.5°	0.9	0.9	0.9	0.9	1.8	1.8	0.9	0.9	0.9	0.9	0.9
145°	0.9	0.9	0.9	0.9	2.6	1.8	0.9	0.9	0.9	0.9	0.9
147.5°	0.9	0.9	0.9	3.5	2.6	1.8	0.9	0.9	0.9	0.9	0.9
150°	4.4	4.4	4.4	3.5	2.6	1.8	2.6	0.9	0.9	0.9	0.9
152.5°	4.4	4.4	5.3	2.6	1.8	0.9	0.9	3.5	2.6	1.8	1.8
155°	3.5	2.6	2.6	0.9	0.9	0.9	0.9	0.9	2.6	3.5	3.5
157.5°	0.9	0.9	1.8	0.9	0.9	0.9	0.9	0.9	1.8	0.9	0.9
160°	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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: P560072

CATALOG NUMBER: SDL-PA1-20-760-U-T2R-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8	302.8
2.5°	304.6	297.5	280.7	268.4	253.4	240.1	228.6	203.0	198.6	196.0	195.1
5°	304.6	289.6	256.9	217.2	186.3	179.2	175.7	175.7	173.9	174.8	175.7
7.5°	270.1	249.8	200.4	169.5	174.8	174.8	175.7	171.3	157.1	158.9	156.3
10°	236.6	211.0	151.0	137.7	151.0	151.8	172.1	180.1	182.7	183.6	183.6
12.5°	218.0	181.9	130.7	135.1	121.8	139.5	164.2	183.6	166.8	158.0	158.0
15°	250.7	215.4	146.5	118.3	120.1	139.5	124.5	173.9	180.1	181.9	181.9
17.5°	225.1	189.8	134.2	121.8	134.2	114.8	140.4	159.8	152.7	144.8	143.9
20°	270.1	224.2	150.1	119.2	118.3	135.9	124.5	130.7	163.3	164.2	163.3
22.5°	210.1	179.2	133.3	135.1	118.3	129.8	122.7	135.1	128.9	128.0	128.9
25°	291.3	232.2	153.6	116.5	123.6	114.8	123.6	113.9	136.8	138.6	139.5
27.5°	356.6	277.2	163.3	126.2	107.7	117.4	110.3	113.9	105.9	110.3	112.1
30°	424.6	323.1	199.5	139.5	113.9	100.6	102.4	101.5	114.8	113.9	112.1
32.5°	446.7	329.3	190.7	145.7	113.0	101.5	93.6	99.8	109.5	117.4	118.3
35°	468.8	333.7	183.6	139.5	110.3	95.3	91.8	102.4	110.3	111.2	113.9
37.5°	494.4	337.2	176.6	130.7	102.4	93.6	90.9	95.3	113.0	111.2	108.6
40°	518.2	339.0	167.7	122.7	93.6	91.8	84.7	95.3	99.8	103.3	105.1
42.5°	560.6	349.6	160.7	115.6	87.4	87.4	81.2	89.2	102.4	104.2	103.3
45°	591.5	346.1	151.0	109.5	81.2	77.7	79.5	97.1	103.3	113.9	112.1
47.5°	635.6	354.9	139.5	99.8	75.9	71.5	75.0	94.5	105.9	113.9	115.6
50°	678.9	353.1	129.8	91.8	72.4	68.0	83.0	91.8	104.2	117.4	117.4
52.5°	735.4	355.8	125.4	84.7	68.0	68.0	85.6	92.7	106.8	115.6	115.6
55°	785.7	346.1	114.8	82.1	67.1	65.3	86.5	96.2	107.7	115.6	116.5
57.5°	822.8	326.6	106.8	79.5	66.2	67.1	86.5	104.2	100.6	115.6	118.3
60°	863.4	305.4	99.8	79.5	66.2	69.7	89.2	110.3	110.3	120.9	120.9
62.5°	919.0	292.2	96.2	80.3	64.4	72.4	97.1	120.1	111.2	128.0	128.9
65°	965.8	274.5	93.6	83.9	65.3	75.9	101.5	128.0	116.5	135.9	135.1
67.5°	966.6	248.1	90.0	87.4	66.2	78.6	101.5	133.3	122.7	143.0	140.4
70°	924.3	221.6	84.7	87.4	68.9	81.2	101.5	136.8	123.6	154.5	151.8
72.5°	833.3	181.0	76.8	83.9	73.3	84.7	106.8	135.9	123.6	166.8	164.2
75°	708.9	144.8	66.2	76.8	73.3	89.2	110.3	135.1	119.2	158.9	153.6
77.5°	539.4	118.3	55.6	67.1	69.7	90.9	110.3	133.3	115.6	148.3	144.8
80°	278.1	83.0	45.0	57.4	65.3	89.2	109.5	126.2	103.3	131.5	129.8
82.5°	152.7	60.9	36.2	42.4	54.7	83.9	105.9	113.9	90.9	107.7	103.3
85°	98.9	44.1	29.1	34.4	45.9	69.7	89.2	90.0	64.4	77.7	73.3
87.5°	74.2	25.6	18.5	21.2	31.8	38.8	56.5	58.3	40.6	47.7	45.0
90°	77.7	25.6	19.4	22.1	28.2	29.1	41.5	44.1	31.8	36.2	36.2
92.5°	83.0	25.6	20.3	23.0	25.6	23.0	32.7	36.2	26.5	29.1	28.2
95°	84.7	24.7	22.1	23.8	23.0	18.5	26.5	29.1	22.1	22.1	22.1
97.5°	61.8	17.7	22.1	23.8	21.2	15.0	20.3	23.0	14.1	11.5	11.5
100°	16.8	8.8	21.2	23.0	18.5	12.4	17.7	17.7	8.8	6.2	6.2
102.5°	7.1	7.1	18.5	20.3	14.1	7.9	12.4	12.4	6.2	2.6	2.6
105°	7.1	5.3	13.2	15.0	9.7	4.4	6.2	7.1	4.4	2.6	2.6
107.5°	7.1	5.3	6.2	7.9	4.4	3.5	3.5	3.5	2.6	2.6	2.6



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.8	6.2	3.5	4.4	3.5	2.6	2.6	2.6	3.5	7.9	7.9
115°	7.9	5.3	3.5	3.5	2.6	2.6	1.8	1.8	3.5	9.7	9.7
117.5°	8.8	6.2	3.5	3.5	2.6	1.8	1.8	1.8	4.4	11.5	11.5
120°	10.6	7.1	3.5	2.6	1.8	1.8	1.8	1.8	5.3	12.4	12.4
122.5°	11.5	7.9	3.5	2.6	1.8	0.9	1.8	2.6	6.2	12.4	12.4
125°	9.7	7.1	3.5	2.6	1.8	0.9	1.8	2.6	6.2	11.5	12.4
127.5°	8.8	6.2	3.5	1.8	1.8	0.9	0.9	2.6	5.3	8.8	10.6
130°	7.1	5.3	2.6	1.8	1.8	0.9	0.9	1.8	5.3	7.9	9.7
132.5°	6.2	4.4	2.6	1.8	1.8	0.9	0.9	1.8	5.3	7.1	7.1
135°	4.4	3.5	1.8	1.8	1.8	0.9	1.8	0.9	3.5	6.2	6.2
137.5°	2.6	1.8	1.8	1.8	1.8	0.9	0.9	0.9	2.6	3.5	3.5
140°	0.9	0.9	1.8	1.8	1.8	0.9	0.9	0.9	1.8	1.8	1.8
142.5°	0.9	0.9	1.8	1.8	1.8	0.9	0.9	0.9	1.8	1.8	1.8
145°	0.9	0.9	0.9	1.8	1.8	0.9	0.9	0.9	0.9	0.9	1.8
147.5°	0.9	0.9	0.9	1.8	0.9	0.9	0.9	0.9	0.9	0.9	1.8
150°	0.9	0.9	0.9	1.8	1.8	0.9	0.9	1.8	1.8	1.8	1.8
152.5°	0.9	0.9	1.8	1.8	0.9	0.9	0.9	1.8	1.8	1.8	1.8
155°	2.6	2.6	1.8	1.8	0.9	0.9	0.0	0.9	1.8	1.8	1.8
157.5°	0.9	0.9	1.8	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9
160°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9
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

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110° | 8.8 8.8 1.8 2.6 2.6 2.6 1.8 2.6 4.4 6.2 8.8

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110°	7.9	5.3	3.5	4.4	3.5	2.6	2.6	2.6	2.6	3.5	4.4
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