

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: P560018

Luminaire Tested: **SDL-PA1-20-730-U-T4W-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560018
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-11)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-20-730-U-T4W-A
Description: Springdale
(1) 70 CRI, 3000K, 260mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2315 lumens
Efficiency: N/A
Efficacy: 110.2 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 - 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

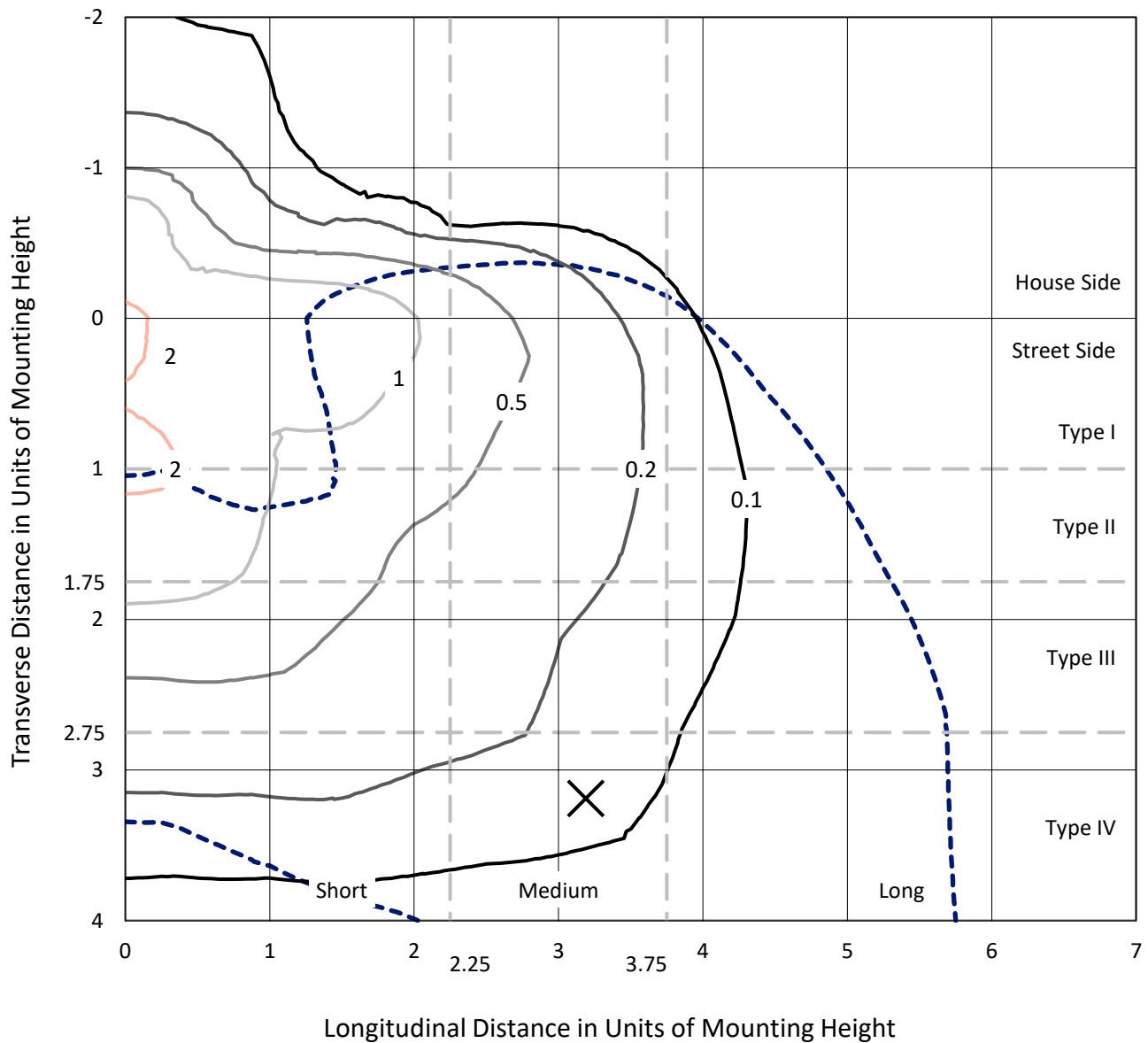


REPORT NUMBER: P560018

CATALOG NUMBER: SDL-PA1-20-730-U-T4W-A

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

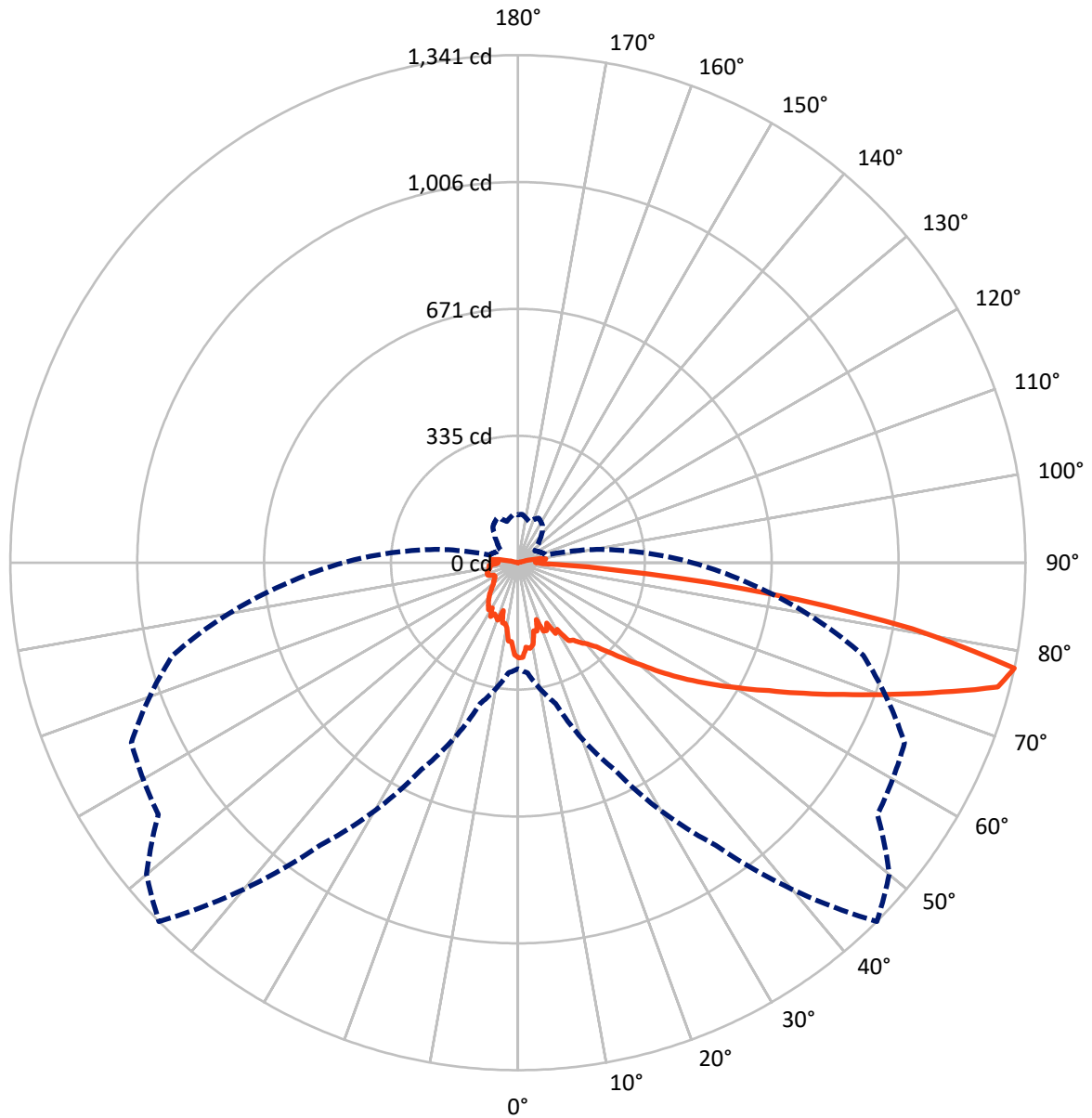


Based on 10 foot mounting height. Maximum calculated value = 2.5 fc
 Type IV - Medium - N/A

REPORT NUMBER: P560018

CATALOG NUMBER: SDL-PA1-20-730-U-T4W-A

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 77.5-Deg Vertical

REPORT NUMBER: P560018

CATALOG NUMBER: SDL-PA1-20-730-U-T4W-A

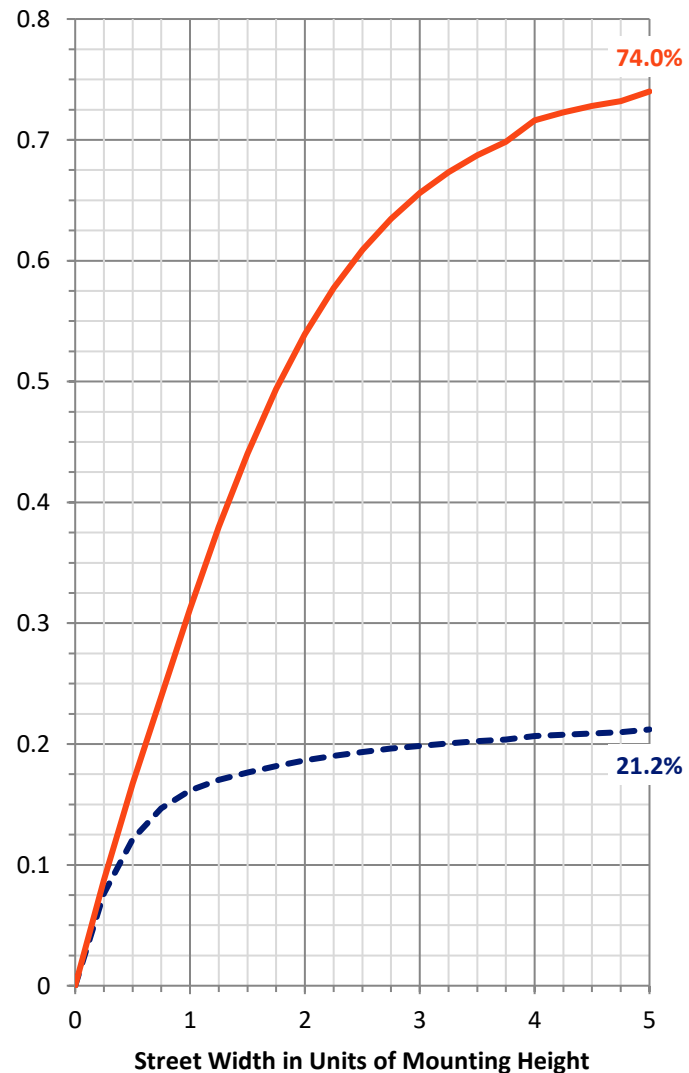
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	518.2	38.6	556.8
	% Fixture	22.4	1.7	24.1
Street Side	Lumens	1727.0	31.3	1758.2
	% Fixture	74.6	1.3	75.9
Total	Lumens	2245.1	69.9	2315.0
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.9	0.9
10°-20°	51.8	2.2
20°-30°	89.5	3.9
30°-40°	158.6	6.9
40°-50°	245.9	10.6
50°-60°	395.9	17.1
60°-70°	582.2	25.1
70°-80°	560.5	24.2
80°-90°	139.8	6.0
90°-100°	52.1	2.3
100°-110°	11.5	0.5
110°-120°	2.5	0.1
120°-130°	2.1	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°	2245.1	97.0
0°-180°	2315.0	100.0



REPORT NUMBER: P560018

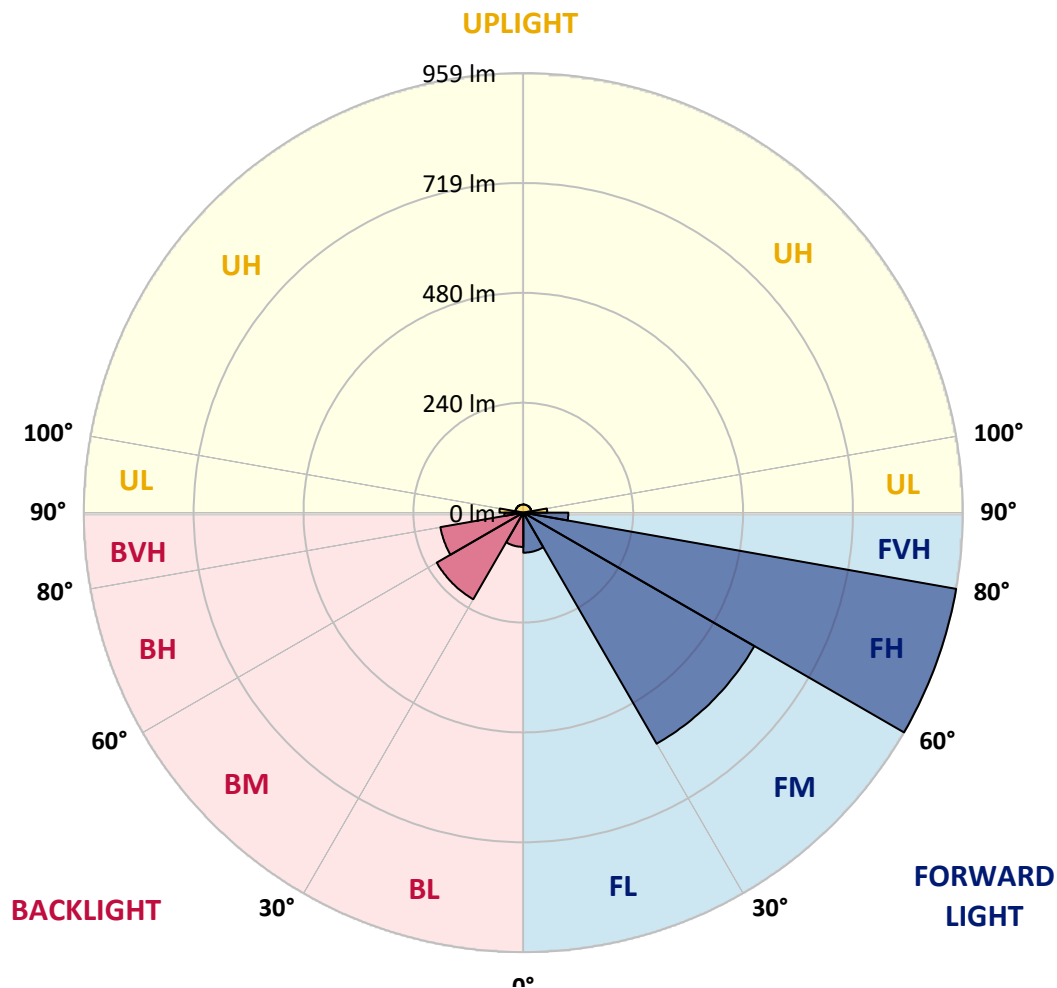
CATALOG NUMBER: SDL-PA1-20-730-U-T4W-A

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	87.4	3.8			
FM	(30°-60°)	582.3	25.2			
FH	(60°-80°)	959.1	41.4			G1/1800
FVH	(80°-90°)	98.2	4.2			G1/100
BL	(0°-30°)	74.8	3.2	B0/110		
BM	(30°-60°)	218.2	9.4	B0/220		
BH	(60°-80°)	183.6	7.9	B1/500		G1/500
BVH	(80°-90°)	41.6	1.8			G1/100
UL	(90°-100°)	52.1	2.3		U3/500	
UH	(100°-180°)	17.8	0.8		U2/50	

BUG Rating: B1-U3-G1

Type IV Medium



REPORT NUMBER: P560018

CATALOG NUMBER: SDL-PA1-20-730-U-T4W-A

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3
2.5°	228.6	250.4	246.8	249.5	249.5	250.4	251.3	251.3	252.2	251.3	251.3
5°	233.1	232.2	230.4	228.6	226.7	224.0	224.0	224.0	245.9	247.7	245.9
7.5°	217.6	236.8	234.9	231.3	231.3	228.6	224.9	221.3	214.9	213.1	215.8
10°	245.9	244.9	242.2	236.8	216.7	220.4	197.6	178.5	171.2	175.7	187.6
12.5°	218.5	234.0	240.4	240.4	214.9	184.8	164.8	175.7	169.4	151.2	164.8
15°	257.7	255.9	248.6	236.8	188.5	187.6	176.7	154.8	157.5	171.2	183.9
17.5°	220.4	220.4	246.8	225.8	194.0	157.5	156.6	173.9	159.4	152.1	159.4
20°	265.9	265.0	256.8	187.6	195.8	193.0	159.4	177.6	152.1	174.8	191.2
22.5°	225.8	224.0	236.8	224.9	186.7	194.9	149.3	168.5	181.2	160.3	148.4
25°	265.9	267.7	264.1	200.3	212.2	176.7	180.3	192.1	166.6	203.1	211.3
27.5°	234.0	234.0	224.0	224.0	196.7	212.2	169.4	180.3	198.5	219.5	257.7
30°	286.8	287.7	281.4	215.8	217.6	204.0	196.7	209.4	238.6	285.0	302.3
32.5°	350.6	350.6	301.4	257.7	218.5	245.9	207.6	228.6	270.4	294.1	316.9
35°	390.6	386.1	364.2	289.6	235.8	251.3	234.9	243.1	280.5	315.1	331.5
37.5°	448.0	446.2	424.3	317.8	253.1	267.7	244.0	253.1	298.7	330.5	349.7
40°	527.2	518.1	499.0	367.0	274.1	282.3	255.0	265.9	320.5	350.6	373.3
42.5°	590.1	591.9	578.2	425.2	308.7	303.2	274.1	282.3	344.2	381.5	407.0
45°	648.3	646.5	649.3	495.4	351.5	336.9	307.8	308.7	374.3	419.8	454.4
47.5°	688.4	687.5	693.9	560.9	406.1	379.7	345.1	341.5	408.9	485.3	519.0
50°	736.7	733.9	730.3	631.0	468.0	426.2	394.3	381.5	453.5	559.1	601.0
52.5°	795.9	789.5	777.6	685.7	536.3	485.3	449.8	432.5	513.6	642.0	695.7
55°	852.3	843.2	833.2	746.7	599.2	544.5	506.3	496.3	591.9	727.6	796.8
57.5°	907.9	903.3	895.1	827.7	679.3	606.5	563.7	561.8	682.9	810.4	905.1
60°	959.8	952.5	963.4	915.1	754.0	672.0	626.5	640.1	783.1	893.3	1025.3
62.5°	991.6	988.9	1012.6	995.3	823.2	744.9	698.4	722.1	879.6	974.3	1131.9
65°	944.3	951.6	1045.4	1045.4	903.3	831.4	785.8	800.4	970.7	1056.3	1229.3
67.5°	857.8	867.8	995.3	1073.6	975.2	928.8	881.5	889.6	1051.7	1122.8	1308.5
70°	784.0	791.3	909.7	1075.4	1020.8	1041.7	973.4	966.1	1114.6	1178.3	1337.7
72.5°	719.4	729.4	826.8	1064.5	1065.4	1170.1	1082.7	1039.0	1171.9	1199.2	1244.8
75°	570.0	565.5	675.7	936.1	1080.0	1310.3	1211.1	1120.0	1200.2	1127.3	976.2
77.5°	280.5	292.3	385.2	602.8	911.5	1341.3	1281.2	1160.1	1127.3	944.3	609.2
80°	82.9	85.6	107.4	215.8	523.6	1056.3	1058.1	959.8	847.8	551.8	275.0
82.5°	46.4	47.4	61.9	93.8	214.9	669.3	696.6	576.4	375.2	204.0	137.5
85°	24.6	25.5	31.9	49.2	109.3	266.8	283.2	220.4	181.2	132.9	101.1
87.5°	11.8	11.8	10.9	16.4	40.1	64.7	71.9	82.0	72.8	68.3	83.8
90°	10.0	10.0	8.2	9.1	21.9	46.4	56.5	62.8	57.4	62.8	92.0
92.5°	10.9	10.9	8.2	9.1	23.7	51.9	61.9	70.1	61.0	67.4	102.0
95°	10.0	10.9	7.3	8.2	23.7	63.7	74.7	76.5	62.8	73.8	109.3
97.5°	8.2	8.2	5.5	6.4	20.9	74.7	82.0	79.2	55.5	56.5	87.4
100°	6.4	6.4	3.6	5.5	14.6	60.1	70.1	66.5	36.4	9.1	21.9
102.5°	5.5	5.5	2.7	4.6	6.4	29.1	37.3	36.4	21.9	5.5	4.6
105°	5.5	5.5	2.7	3.6	3.6	8.2	12.7	16.4	9.1	2.7	4.6
107.5°	5.5	5.5	2.7	1.8	1.8	3.6	4.6	4.6	4.6	2.7	5.5



REPORT NUMBER: P560018

CATALOG NUMBER: SDL-PA1-20-730-U-T4W-A

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	5.5	5.5	1.8	1.8	0.9	1.8	1.8	1.8	1.8	2.7	5.5
115°	4.6	4.6	0.9	1.8	0.9	0.9	1.8	0.9	1.8	1.8	4.6
117.5°	4.6	3.6	0.9	0.9	0.9	0.9	0.9	0.9	1.8	2.7	5.5
120°	4.6	4.6	1.8	0.9	0.9	0.9	0.9	0.9	1.8	3.6	6.4
122.5°	4.6	4.6	1.8	0.9	0.0	0.9	0.9	0.9	1.8	3.6	7.3
125°	5.5	4.6	1.8	0.9	0.0	0.0	0.9	0.9	0.9	3.6	6.4
127.5°	4.6	3.6	1.8	0.9	0.0	0.0	0.9	0.9	0.9	2.7	5.5
130°	4.6	3.6	1.8	0.0	0.0	0.0	0.9	0.9	0.9	2.7	4.6
132.5°	3.6	2.7	1.8	0.0	0.0	0.0	0.9	0.9	0.9	1.8	3.6
135°	2.7	2.7	0.9	0.0	0.9	0.0	0.9	0.9	0.9	0.9	2.7
137.5°	1.8	1.8	0.9	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
140°	0.9	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
142.5°	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9
145°	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9
147.5°	0.9	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
150°	2.7	2.7	2.7	1.8	0.9	0.9	0.9	1.8	0.9	0.9	0.9
152.5°	2.7	2.7	2.7	1.8	0.0	0.0	0.9	0.9	1.8	0.9	0.9
155°	1.8	1.8	1.8	0.0	0.0	0.0	0.9	0.9	0.9	1.8	1.8
157.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
160°	0.0	0.0	0.0	0.0	0.0	0.0	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: P560018

CATALOG NUMBER: SDL-PA1-20-730-U-T4W-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3	251.3
2.5°	250.4	249.5	248.6	247.7	245.9	244.0	239.5	220.4	220.4	221.3	221.3
5°	245.9	244.9	242.2	224.9	214.9	209.4	211.3	211.3	211.3	212.2	214.0
7.5°	214.9	214.0	201.2	200.3	204.0	208.5	211.3	206.7	197.6	197.6	197.6
10°	187.6	186.7	163.9	159.4	163.9	174.8	203.1	208.5	212.2	213.1	214.9
12.5°	163.9	161.2	141.1	155.7	145.7	163.9	189.4	210.3	191.2	187.6	187.6
15°	182.1	181.2	157.5	136.6	137.5	163.9	150.2	197.6	208.5	210.3	211.3
17.5°	159.4	157.5	144.8	143.9	152.1	132.0	166.6	188.5	179.4	182.1	182.1
20°	190.3	189.4	165.7	137.5	135.7	161.2	147.5	171.2	204.0	210.3	211.3
22.5°	147.5	147.5	152.1	161.2	146.6	153.9	157.5	181.2	174.8	178.5	189.4
25°	209.4	207.6	183.9	144.8	157.5	148.4	164.8	172.1	202.2	209.4	211.3
27.5°	254.1	249.5	197.6	163.0	142.1	159.4	158.4	166.6	171.2	199.4	203.1
30°	299.6	295.0	254.1	183.0	147.5	137.5	151.2	178.5	205.8	210.3	214.0
32.5°	316.0	312.3	259.5	194.0	148.4	146.6	150.2	178.5	225.8	244.0	247.7
35°	333.3	328.7	265.0	189.4	144.8	136.6	142.1	183.9	224.9	236.8	239.5
37.5°	354.2	346.0	271.4	180.3	134.8	129.3	135.7	167.5	214.0	225.8	227.6
40°	380.6	372.4	279.6	170.3	124.8	120.2	123.8	155.7	187.6	197.6	202.2
42.5°	420.7	405.2	283.2	162.1	115.6	111.1	114.7	140.2	164.8	171.2	173.9
45°	472.6	445.3	288.7	151.2	107.4	101.1	106.5	128.4	140.2	140.2	140.2
47.5°	536.3	492.6	291.4	142.1	97.4	92.0	97.4	116.6	122.9	119.3	118.4
50°	614.6	552.7	305.0	131.1	89.2	84.7	93.8	102.9	105.6	107.4	107.4
52.5°	706.6	621.9	313.2	120.2	83.8	81.0	90.1	96.5	97.4	99.3	99.3
55°	806.8	697.5	317.8	110.2	80.1	76.5	86.5	92.9	92.9	94.7	94.7
57.5°	910.6	784.9	329.6	102.9	76.5	72.8	82.9	93.8	90.1	93.8	94.7
60°	1019.9	866.0	319.6	95.6	71.0	70.1	83.8	100.2	99.3	103.8	104.7
62.5°	1122.8	930.6	275.0	89.2	67.4	71.0	93.8	112.9	110.2	117.5	117.5
65°	1181.0	952.5	202.2	85.6	64.7	76.5	103.8	125.7	116.6	120.2	118.4
67.5°	1193.8	930.6	145.7	81.0	63.7	85.6	111.1	128.4	115.6	119.3	119.3
70°	1163.7	879.6	117.5	77.4	62.8	86.5	112.9	128.4	116.6	124.8	122.9
72.5°	1028.1	748.5	100.2	73.8	62.8	84.7	115.6	129.3	119.3	132.9	130.2
75°	774.9	560.0	88.3	70.1	59.2	82.0	117.5	130.2	115.6	130.2	128.4
77.5°	460.8	319.6	78.3	65.6	54.6	79.2	115.6	130.2	112.9	128.4	126.6
80°	194.9	150.2	66.5	57.4	50.1	75.6	113.8	129.3	108.4	124.8	122.0
82.5°	122.9	102.0	56.5	47.4	49.2	74.7	114.7	127.5	106.5	125.7	116.6
85°	99.3	83.8	48.3	40.1	45.5	76.5	110.2	115.6	92.0	108.4	105.6
87.5°	83.8	70.1	21.9	17.3	33.7	59.2	83.8	86.5	66.5	84.7	81.0
90°	92.0	76.5	20.9	14.6	30.0	51.9	77.4	75.6	63.7	81.0	80.1
92.5°	100.2	81.0	20.0	15.5	33.7	56.5	84.7	76.5	67.4	82.0	81.0
95°	103.8	82.9	19.1	16.4	40.1	61.9	90.1	74.7	71.0	75.6	74.7
97.5°	78.3	60.1	18.2	17.3	41.9	70.1	84.7	62.8	46.4	46.4	45.5
100°	20.0	20.0	16.4	16.4	28.2	51.0	64.7	46.4	26.4	20.0	20.9
102.5°	5.5	6.4	14.6	15.5	15.5	22.8	36.4	30.0	17.3	2.7	2.7
105°	5.5	5.5	10.0	11.8	8.2	7.3	14.6	16.4	12.7	1.8	2.7
107.5°	5.5	5.5	4.6	6.4	2.7	3.6	3.6	4.6	4.6	1.8	1.8



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.4	5.5	2.7	1.8	1.8	1.8	1.8	1.8	1.8	4.6	4.6
115°	5.5	4.6	2.7	1.8	1.8	1.8	1.8	0.9	1.8	5.5	5.5
117.5°	6.4	5.5	2.7	1.8	0.9	1.8	1.8	0.9	1.8	6.4	6.4
120°	7.3	6.4	2.7	1.8	0.9	0.9	0.9	0.9	2.7	6.4	6.4
122.5°	7.3	7.3	3.6	0.9	0.9	0.9	0.9	0.9	2.7	6.4	6.4
125°	7.3	6.4	2.7	0.9	0.9	0.9	0.0	0.9	2.7	6.4	7.3
127.5°	5.5	5.5	2.7	0.9	0.9	0.9	0.0	0.9	2.7	5.5	6.4
130°	4.6	4.6	1.8	0.9	0.9	0.9	0.0	0.9	2.7	5.5	5.5
132.5°	3.6	3.6	1.8	0.9	0.9	0.0	0.0	0.0	2.7	4.6	4.6
135°	2.7	2.7	0.9	0.9	0.9	0.0	0.0	0.0	1.8	3.6	3.6
137.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.9	1.8	1.8
140°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9
142.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9
145°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.9
147.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9
150°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	1.8	0.9	1.8
152.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.9	1.8	1.8	1.8
155°	1.8	1.8	1.8	0.9	0.9	0.0	0.0	0.0	0.9	1.8	1.8
157.5°	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.9	0.9	0.9	0.9	0.0	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

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110°	6.4	6.4	1.8	1.8	1.8	1.8	1.8	1.8	1.8	2.7	5.5
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110°	6.4	5.5	2.7	2.7	1.8	1.8	1.8	1.8	1.8	3.6	3.6
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(END OF REPORT)