

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: P560011

Luminaire Tested: **SDL-PA1-20-730-U-T2U-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560011
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-PA1-20-730-U-T2U-HSS-A
Description: Springdale
(1) 70 CRI, 3000K, 260mA 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: 1705.7 lumens
Efficiency: N/A
Efficacy: 81.2 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: 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



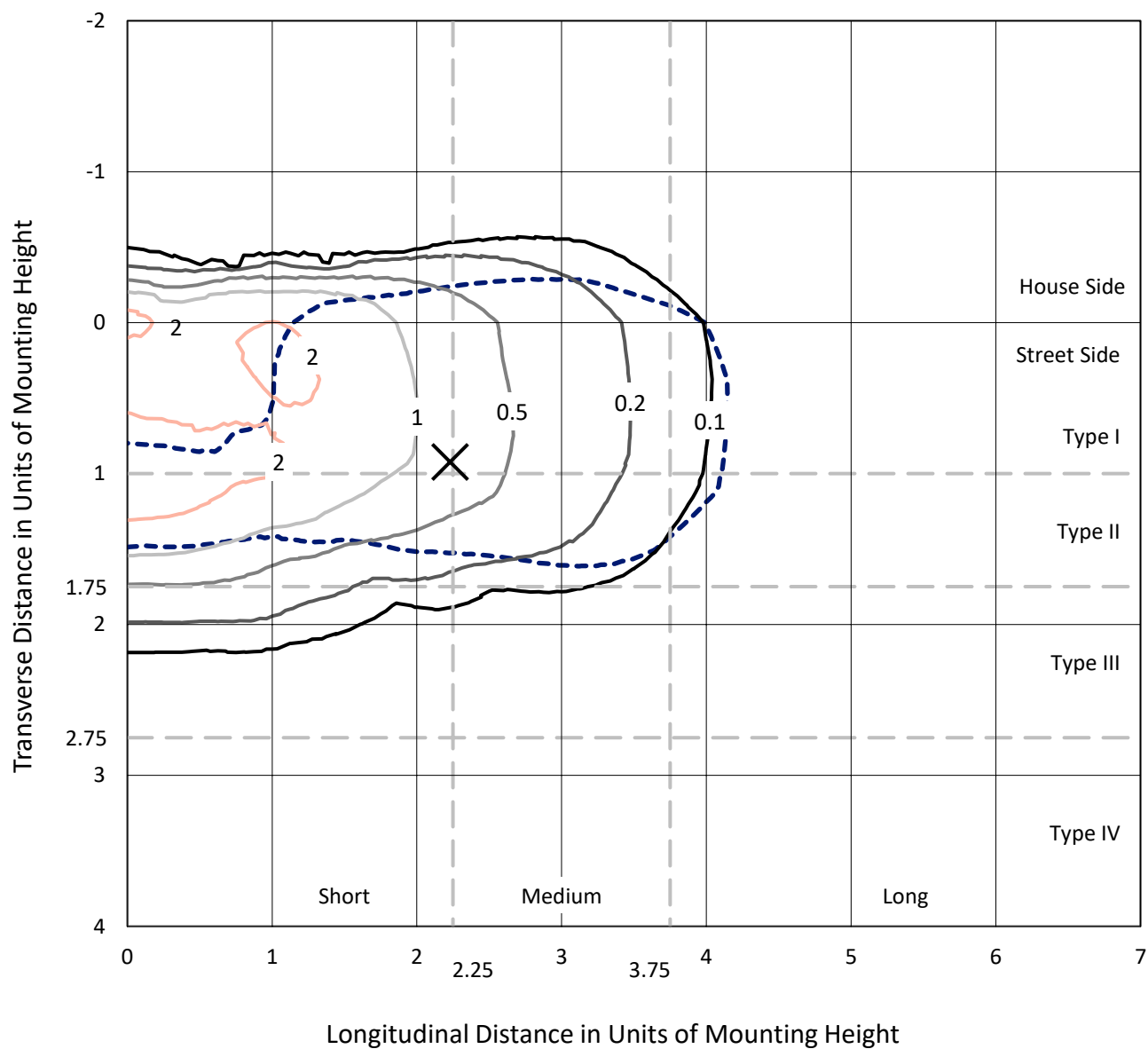
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



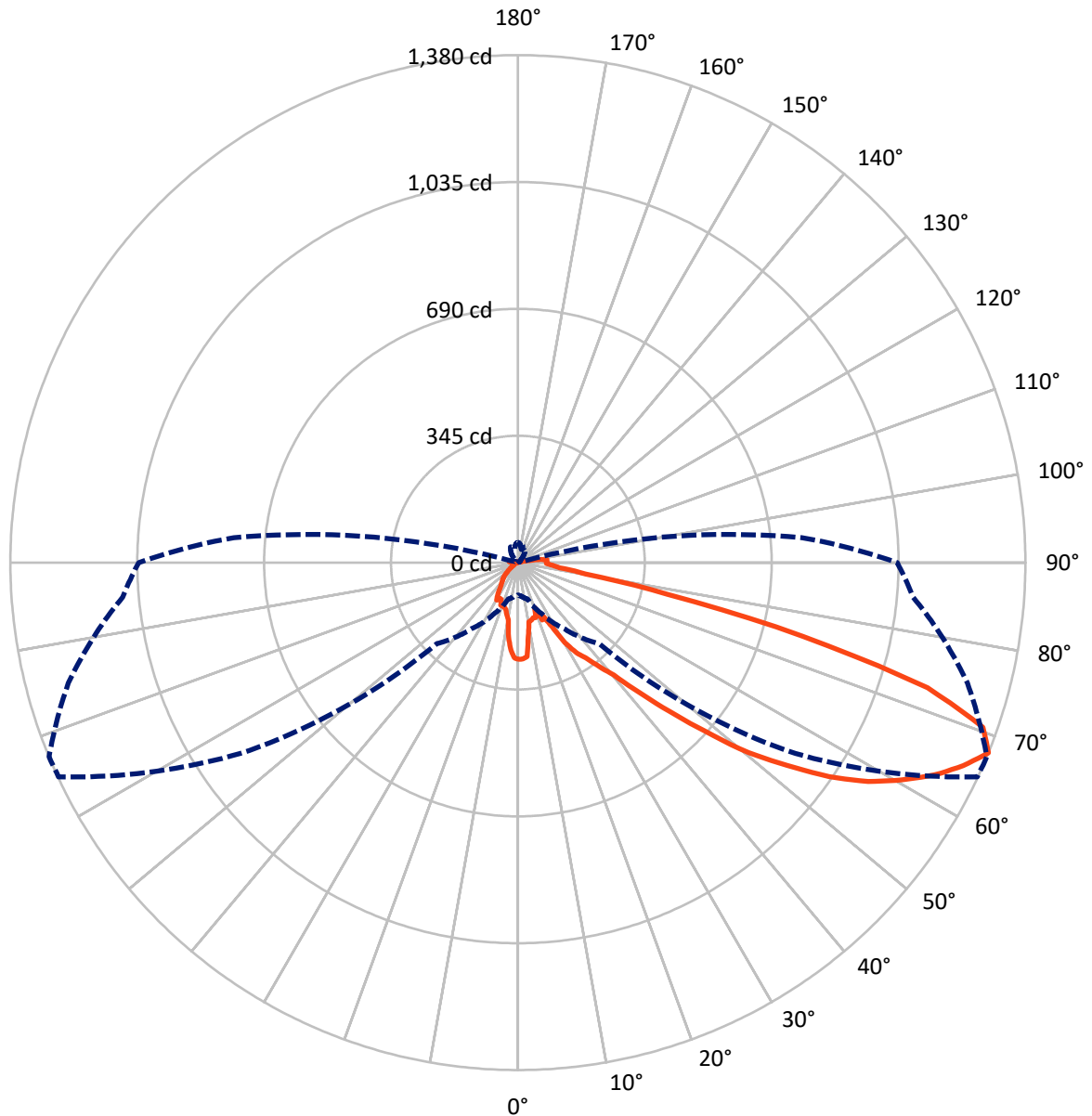
Based on 10 foot mounting height. Maximum calculated value = 3.4 fc

Type II - Short - N/A

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Luminous Intensity Polar Plot



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

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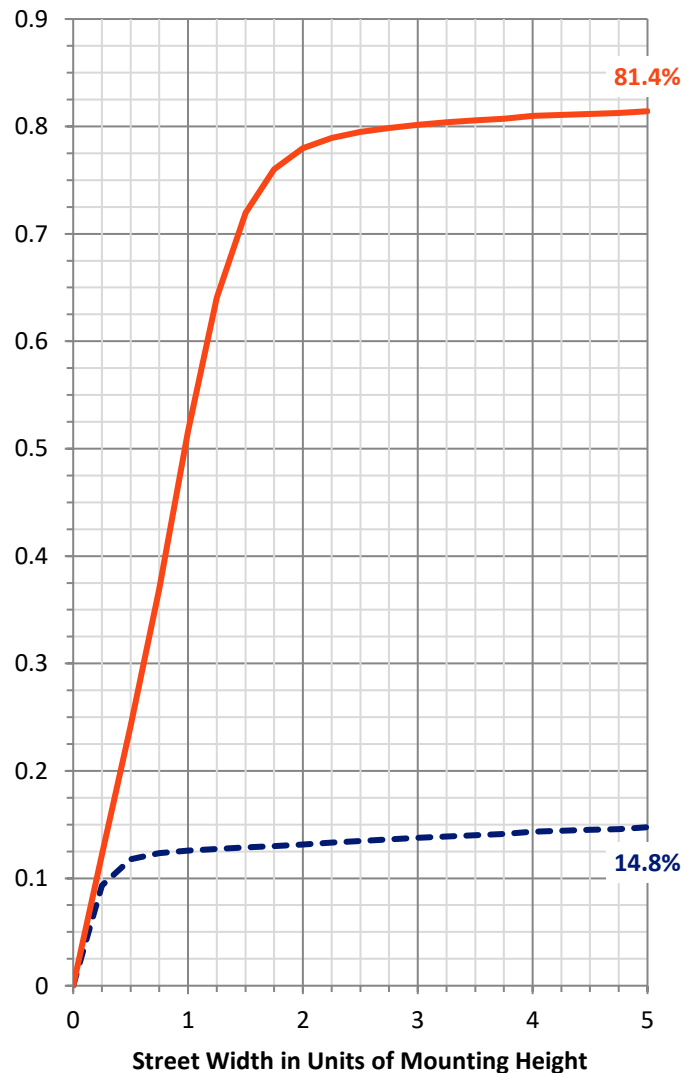
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	266.9	19.9	286.8
	% Fixture	15.6	1.2	16.8
Street Side	Lumens	1397.8	21.1	1418.9
	% Fixture	81.9	1.2	83.2
Total	Lumens	1664.7	41.0	1705.7
	% Fixture	97.6	2.4	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.2	1.2
10°-20°	38.6	2.3
20°-30°	58.2	3.4
30°-40°	134.0	7.9
40°-50°	298.7	17.5
50°-60°	444.4	26.1
60°-70°	396.3	23.2
70°-80°	222.5	13.0
80°-90°	51.9	3.0
90°-100°	28.5	1.7
100°-110°	6.6	0.4
110°-120°	2.6	0.2
120°-130°	1.7	0.1
130°-140°	0.9	0.1
140°-150°	0.4	0.0
150°-160°	0.3	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	1664.7	97.6
0°-180°	1705.7	100.0



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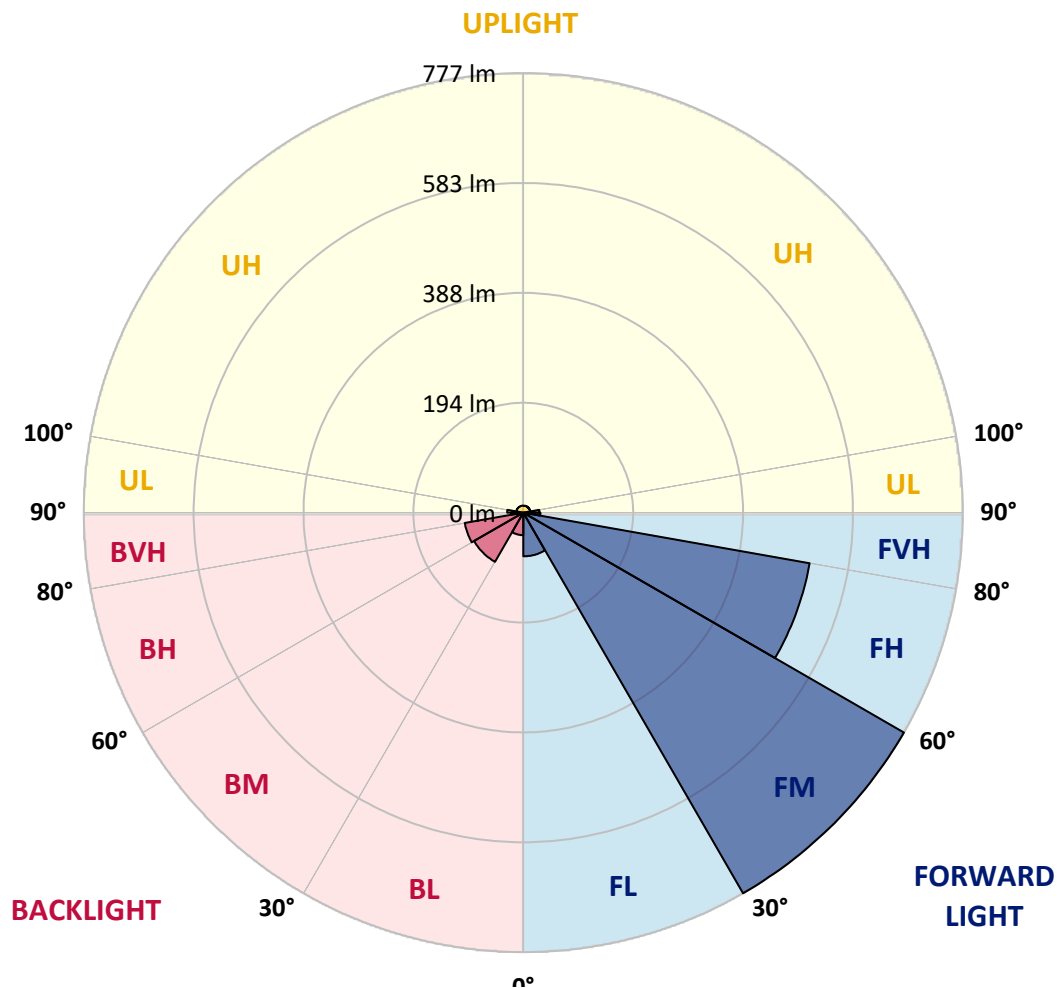
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	77.2	4.5			
FM	(30°-60°)	776.7	45.5			
FH	(60°-80°)	513.8	30.1			G0/660
FVH	(80°-90°)	30.1	1.8			G1/100
BL	(0°-30°)	39.8	2.3	B0/110		
BM	(30°-60°)	100.3	5.9	B0/220		
BH	(60°-80°)	105.0	6.2	B0/110		G0/110
BVH	(80°-90°)	21.8	1.3			G1/100
UL	(90°-100°)	28.5	1.7		U2/50	
UH	(100°-180°)	12.5	0.7		U2/50	

BUG Rating: B0-U2-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
0°	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1
2.5°	223.1	235.8	249.5	258.6	260.4	263.1	263.1	262.2	262.2	261.3	261.3
5°	216.7	215.8	216.7	218.5	217.6	217.6	217.6	254.0	256.8	258.6	258.6
7.5°	186.6	191.2	205.8	211.2	213.1	214.9	214.9	212.1	202.1	224.0	226.7
10°	203.0	202.1	202.1	203.9	190.3	184.8	166.6	163.9	163.9	171.2	194.8
12.5°	170.3	180.3	193.9	199.4	183.9	163.0	158.4	162.1	161.2	141.1	164.8
15°	193.0	193.0	191.2	187.6	144.8	162.1	136.6	136.6	155.7	167.5	188.5
17.5°	156.6	161.2	183.9	181.2	159.3	122.0	159.3	146.6	157.5	147.5	158.4
20°	192.1	191.2	192.1	146.6	162.1	167.5	159.3	142.9	130.2	171.2	189.4
22.5°	158.4	156.6	165.7	181.2	153.0	173.9	145.7	173.9	169.3	152.1	136.6
25°	204.9	203.9	205.8	160.2	179.4	155.7	179.4	155.7	163.0	194.8	199.4
27.5°	184.8	183.9	181.2	195.8	170.3	196.7	169.3	190.3	195.8	211.2	244.9
30°	260.4	256.8	247.7	196.7	200.3	189.4	200.3	234.0	252.2	283.2	293.2
32.5°	379.7	360.6	300.5	260.4	212.1	242.2	226.7	275.0	292.3	307.7	315.9
35°	490.8	482.6	438.9	344.2	258.6	267.7	255.8	307.7	317.8	350.5	348.7
37.5°	642.8	629.1	561.8	444.3	325.0	321.4	291.4	350.5	357.8	405.2	396.1
40°	756.6	745.7	692.9	551.8	413.4	381.5	340.5	409.7	401.5	465.3	452.5
42.5°	865.9	859.5	818.5	674.7	510.8	474.4	391.5	482.6	480.7	536.3	525.3
45°	954.2	946.9	920.5	784.8	622.8	623.7	471.6	562.7	575.4	628.2	600.0
47.5°	1006.1	990.6	971.5	872.2	735.7	766.6	590.0	653.7	684.7	730.2	687.4
50°	994.2	978.8	980.6	927.8	839.5	889.5	716.6	750.2	812.2	847.7	763.0
52.5°	899.6	890.5	920.5	917.8	892.3	1002.4	864.0	854.9	915.9	939.6	840.4
55°	764.8	752.1	808.5	848.6	892.3	1072.5	1000.6	971.5	1027.0	1023.4	893.2
57.5°	580.9	585.4	649.2	712.0	819.4	1086.2	1101.7	1098.0	1123.5	1092.6	935.1
60°	397.0	399.7	489.8	560.9	671.9	1014.3	1134.5	1202.7	1200.0	1150.9	982.4
62.5°	249.5	248.6	316.8	428.8	483.5	825.8	1121.7	1282.0	1271.9	1194.6	1018.8
65°	143.9	147.5	172.1	284.1	336.0	563.6	1048.0	1359.4	1331.1	1233.7	1058.0
67.5°	88.3	91.0	102.9	153.9	219.4	311.4	891.4	1378.5	1380.3	1265.6	1078.9
70°	74.7	75.6	81.0	94.7	153.0	174.8	600.0	1289.2	1342.1	1272.9	1072.5
72.5°	62.8	63.7	71.9	82.9	113.8	123.8	269.5	1065.3	1165.4	1217.3	1026.1
75°	46.4	47.3	59.2	75.6	82.9	99.2	147.5	705.6	800.3	962.4	875.0
77.5°	30.0	31.0	41.9	61.0	70.1	78.3	119.3	329.6	417.0	556.3	552.7
80°	20.0	20.0	24.6	42.8	55.5	63.7	103.8	163.0	185.7	229.4	214.9
82.5°	12.7	12.7	15.5	26.4	35.5	63.7	97.4	116.5	112.9	114.7	102.0
85°	5.5	5.5	8.2	14.6	19.1	41.9	87.4	100.2	95.6	95.6	91.0
87.5°	1.8	1.8	2.7	4.6	6.4	12.7	67.4	80.1	77.4	80.1	86.5
90°	1.8	1.8	0.9	1.8	1.8	9.1	54.6	79.2	77.4	81.0	89.2
92.5°	2.7	2.7	0.9	0.9	1.8	7.3	42.8	81.9	79.2	84.7	92.9
95°	4.6	4.6	1.8	0.9	2.7	6.4	26.4	72.8	79.2	83.8	94.7
97.5°	5.5	5.5	1.8	1.8	2.7	5.5	13.7	59.2	61.0	63.7	74.7
100°	7.3	7.3	1.8	1.8	1.8	4.6	7.3	31.0	31.9	22.8	36.4
102.5°	7.3	7.3	1.8	1.8	1.8	2.7	3.6	13.7	12.7	4.6	4.6
105°	8.2	8.2	2.7	1.8	1.8	1.8	1.8	4.6	4.6	2.7	5.5
107.5°	8.2	8.2	2.7	2.7	1.8	1.8	0.9	1.8	2.7	2.7	5.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	67.5°	75°	85°
112.5°	4.6	4.6	1.8	2.7	1.8	0.9	0.9	0.9	1.8	3.6	9.1
115°	1.8	1.8	0.9	1.8	0.9	0.9	0.9	1.8	1.8	2.7	7.3
117.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	0.9	2.7	6.4
120°	0.9	0.9	0.0	0.9	0.9	0.9	0.9	0.9	0.9	3.6	6.4
122.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	3.6	6.4
125°	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	2.7	5.5
127.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	1.8	5.5
130°	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	1.8	3.6
132.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	1.8	2.7
135°	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9	1.8
137.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.9	0.9	0.9	0.9	0.9
140°	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
142.5°	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
145°	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
147.5°	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
150°	0.9	0.9	1.8	1.8	0.9	0.0	1.8	0.9	0.9	0.9	0.9
152.5°	1.8	1.8	1.8	1.8	0.9	0.0	0.9	1.8	0.9	0.9	0.9
155°	1.8	1.8	0.9	0.9	0.9	0.0	0.9	0.9	0.9	1.8	2.7
157.5°	0.0	0.0	0.0	0.0	0.9	0.0	0.9	0.9	0.0	0.0	0.9
160°	0.0	0.0	0.0	0.0	0.9	0.0	0.9	0.9	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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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1	263.1
2.5°	260.4	260.4	259.5	259.5	256.8	255.8	244.0	231.3	221.2	222.2	222.2
5°	257.7	255.8	253.1	234.9	212.1	208.5	208.5	206.7	205.8	206.7	206.7
7.5°	224.9	223.1	212.1	203.0	203.9	202.1	198.5	197.6	182.1	166.6	165.7
10°	193.9	191.2	162.1	155.7	154.8	161.2	176.6	171.2	165.7	159.3	162.1
12.5°	162.1	161.2	134.8	149.3	130.2	133.8	137.5	132.0	112.9	91.0	93.8
15°	187.6	184.8	153.0	123.8	111.1	112.0	73.7	71.0	57.4	51.9	49.2
17.5°	139.3	153.0	133.8	123.8	112.0	58.3	47.3	36.4	32.8	26.4	27.3
20°	186.6	183.0	153.0	115.6	86.5	49.2	26.4	20.9	25.5	26.4	26.4
22.5°	132.0	128.4	129.3	122.9	61.0	28.2	20.0	20.9	19.1	18.2	18.2
25°	193.9	187.6	156.6	93.8	45.5	18.2	19.1	14.6	17.3	17.3	17.3
27.5°	235.8	214.0	164.8	91.0	25.5	18.2	13.7	14.6	11.8	11.8	11.8
30°	282.2	269.5	215.8	84.7	20.0	14.6	12.7	10.0	10.9	10.9	10.9
32.5°	303.2	285.9	215.8	67.4	17.3	13.7	10.0	9.1	9.1	10.0	10.0
35°	333.2	315.0	214.9	44.6	14.6	10.9	8.2	8.2	8.2	8.2	8.2
37.5°	378.8	352.4	218.5	28.2	11.8	9.1	6.4	7.3	7.3	15.5	15.5
40°	429.7	399.7	208.5	20.0	10.0	7.3	5.5	9.1	12.7	13.7	13.7
42.5°	494.4	461.6	193.9	17.3	9.1	5.5	4.6	7.3	10.9	17.3	17.3
45°	571.8	522.6	173.9	15.5	7.3	4.6	4.6	9.1	13.7	16.4	16.4
47.5°	641.0	581.8	139.3	14.6	6.4	3.6	6.4	10.0	11.8	19.1	19.1
50°	722.0	643.7	106.5	12.7	5.5	3.6	10.0	10.9	13.7	17.3	17.3
52.5°	782.1	695.6	81.0	11.8	5.5	2.7	10.0	10.0	15.5	20.0	20.0
55°	830.4	723.8	58.3	10.0	4.6	2.7	11.8	12.7	13.7	15.5	15.5
57.5°	867.7	743.9	45.5	9.1	4.6	6.4	14.6	16.4	14.6	15.5	15.5
60°	910.5	753.9	33.7	8.2	3.6	6.4	17.3	21.9	16.4	23.7	22.8
62.5°	949.6	761.2	27.3	8.2	3.6	7.3	19.1	27.3	21.9	31.9	32.8
65°	998.8	770.3	22.8	6.4	3.6	10.0	22.8	36.4	29.1	41.9	43.7
67.5°	1031.6	775.7	19.1	6.4	3.6	11.8	31.9	47.3	36.4	52.8	54.6
70°	1035.2	755.7	15.5	6.4	3.6	18.2	43.7	57.4	45.5	67.4	68.3
72.5°	987.9	698.3	12.7	7.3	3.6	20.0	51.0	66.5	53.7	89.2	90.1
75°	798.5	489.8	11.8	7.3	3.6	25.5	55.5	72.8	60.1	92.9	94.7
77.5°	490.8	226.7	10.9	8.2	5.5	28.2	56.4	77.4	62.8	92.9	95.6
80°	190.3	112.0	10.0	9.1	12.7	31.9	61.0	78.3	62.8	86.5	90.1
82.5°	88.3	65.6	10.0	10.0	16.4	32.8	60.1	72.8	58.3	77.4	76.5
85°	79.2	64.6	10.9	10.9	17.3	28.2	47.3	61.9	50.1	61.0	61.0
87.5°	77.4	63.7	11.8	13.7	17.3	16.4	36.4	52.8	42.8	45.5	45.5
90°	79.2	66.5	12.7	15.5	14.6	9.1	29.1	43.7	32.8	29.1	28.2
92.5°	84.7	67.4	15.5	18.2	13.7	7.3	24.6	35.5	23.7	19.1	18.2
95°	89.2	69.2	19.1	21.9	14.6	6.4	21.9	28.2	17.3	11.8	10.9
97.5°	74.7	53.7	21.9	23.7	14.6	6.4	19.1	22.8	13.7	6.4	6.4
100°	31.9	23.7	22.8	25.5	13.7	5.5	16.4	18.2	9.1	2.7	3.6
102.5°	6.4	7.3	20.0	23.7	10.9	3.6	10.9	10.9	6.4	0.9	1.8
105°	6.4	5.5	12.7	20.0	6.4	1.8	4.6	6.4	2.7	0.9	0.9
107.5°	6.4	6.4	4.6	10.0	2.7	1.8	1.8	2.7	1.8	0.9	0.9



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CATALOG NUMBER: SDL-PA1-20-730-U-T2U-HSS-A

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.1	8.2	1.8	2.7	2.7	1.8	0.9	0.9	1.8	6.4	7.3
115°	8.2	7.3	2.7	2.7	1.8	1.8	0.9	0.9	1.8	7.3	8.2
117.5°	6.4	6.4	2.7	1.8	1.8	1.8	0.9	0.9	1.8	7.3	7.3
120°	7.3	6.4	2.7	1.8	0.9	0.9	0.9	0.9	1.8	5.5	5.5
122.5°	7.3	6.4	2.7	1.8	0.9	0.9	0.9	0.9	1.8	5.5	6.4
125°	6.4	5.5	2.7	1.8	0.9	0.9	0.9	0.9	2.7	5.5	5.5
127.5°	5.5	4.6	1.8	0.9	0.9	0.9	0.9	0.9	2.7	4.6	4.6
130°	3.6	3.6	1.8	0.9	0.9	0.9	0.9	0.9	2.7	3.6	3.6
132.5°	2.7	2.7	1.8	0.9	0.9	0.9	0.9	0.9	1.8	3.6	3.6
135°	2.7	1.8	1.8	0.9	0.9	0.9	0.9	0.9	1.8	2.7	2.7
137.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	1.8	1.8
140°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.9	0.9
142.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.9	0.9
145°	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.9	0.9
147.5°	0.9	0.9	0.9	0.9	0.9	0.9	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	0.0	0.0	0.9	0.9
152.5°	0.9	0.9	1.8	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9
155°	2.7	2.7	2.7	0.9	0.9	0.0	0.0	0.0	0.0	0.9	0.9
157.5°	0.9	0.9	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.9	0.9	0.9	0.9	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



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110° | 6.4 6.4 2.7 2.7 1.8 0.9 0.9 0.9 1.8 2.7 6.4



110°	7.3	6.4	1.8	2.7	1.8	1.8	1.8	1.8	0.9	4.6	5.5
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(END OF REPORT)