

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: P560268

Luminaire Tested: **SDL-PA1-30-827-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560268
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-14)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-30-827-U-SL3-HSS
Description: Springdale
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2333.8 lumens
Efficiency: N/A
Efficacy: 77.5 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 - U0 - G1

Input Watts (W): 30.1
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

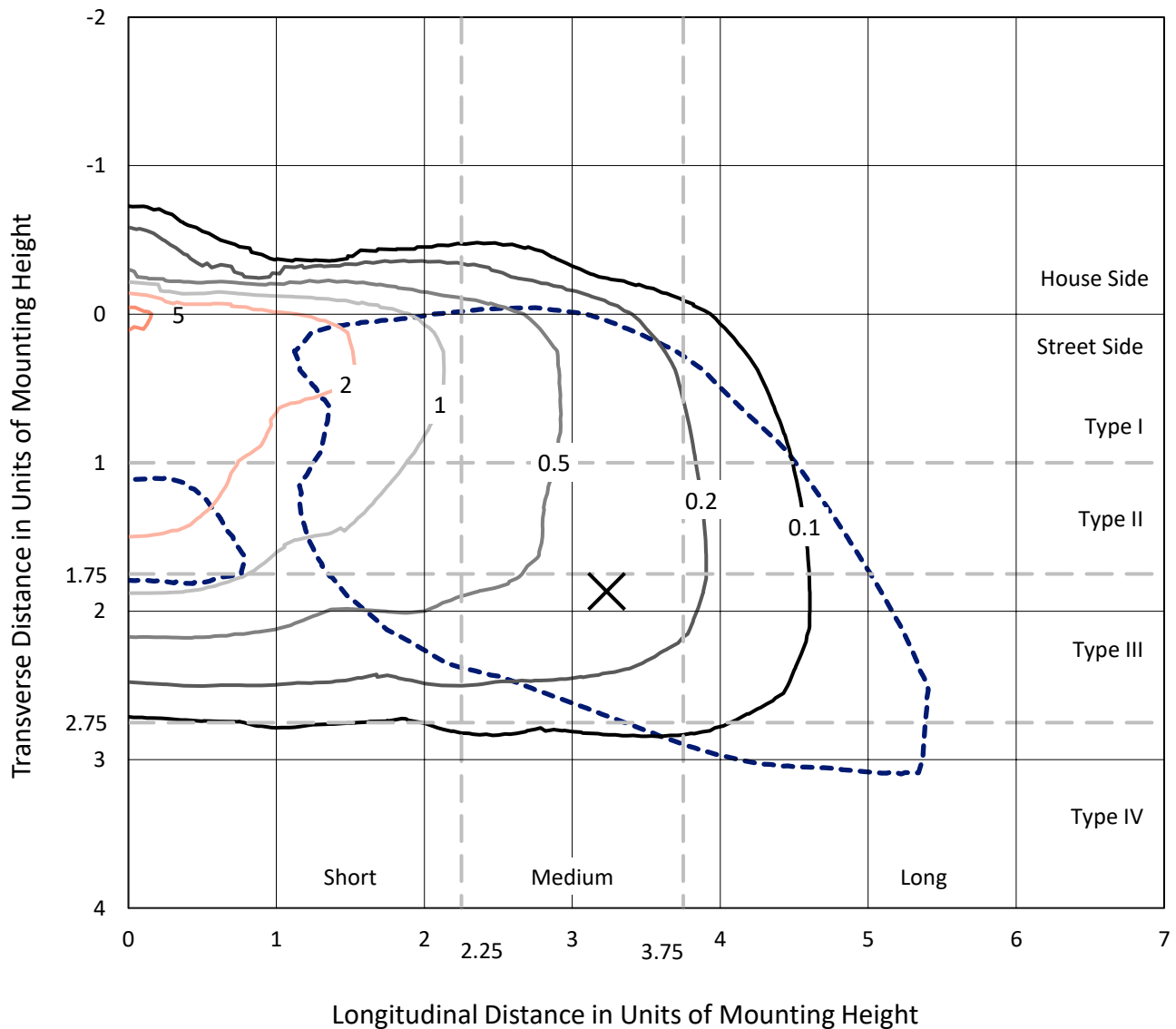


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

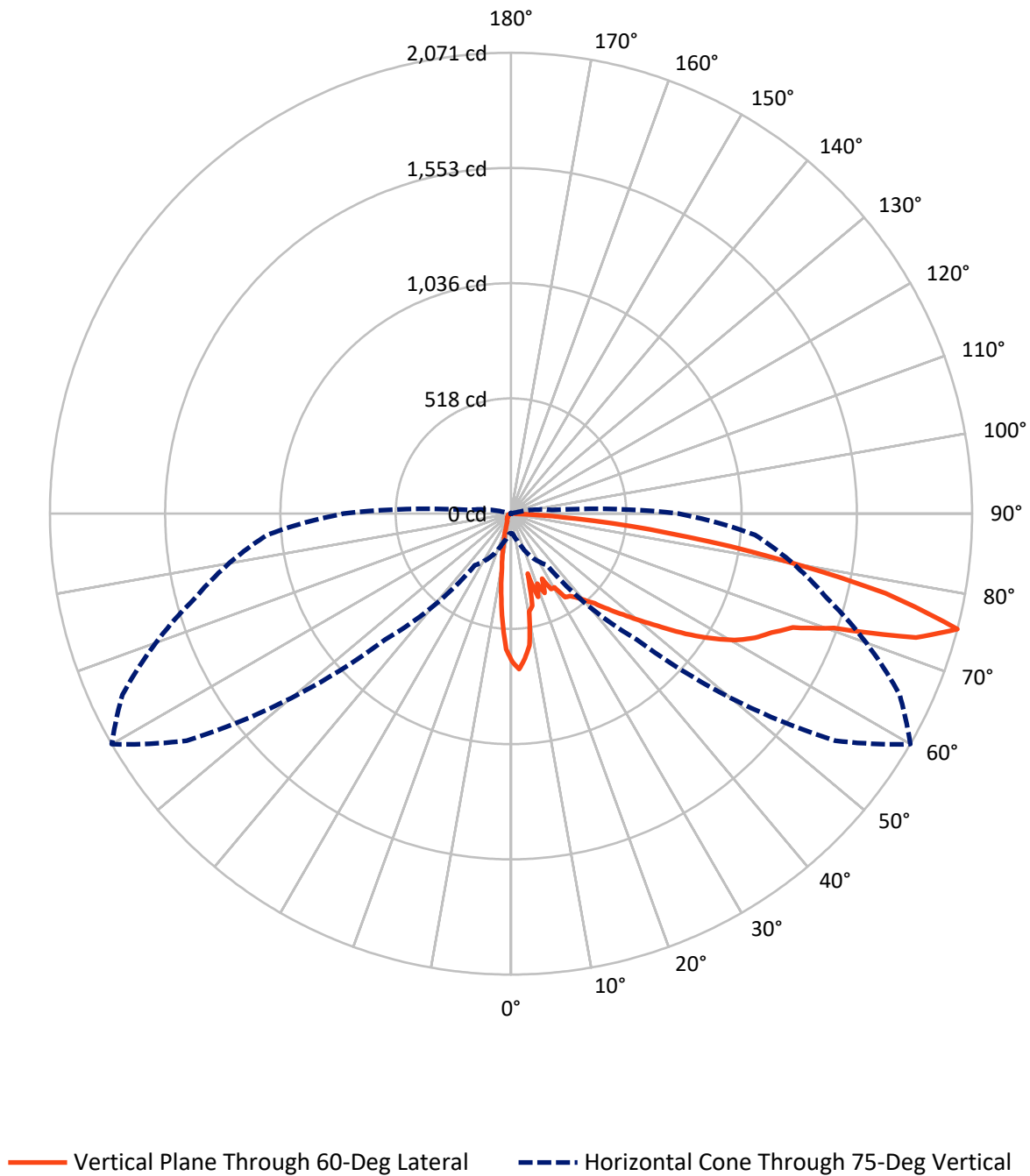


Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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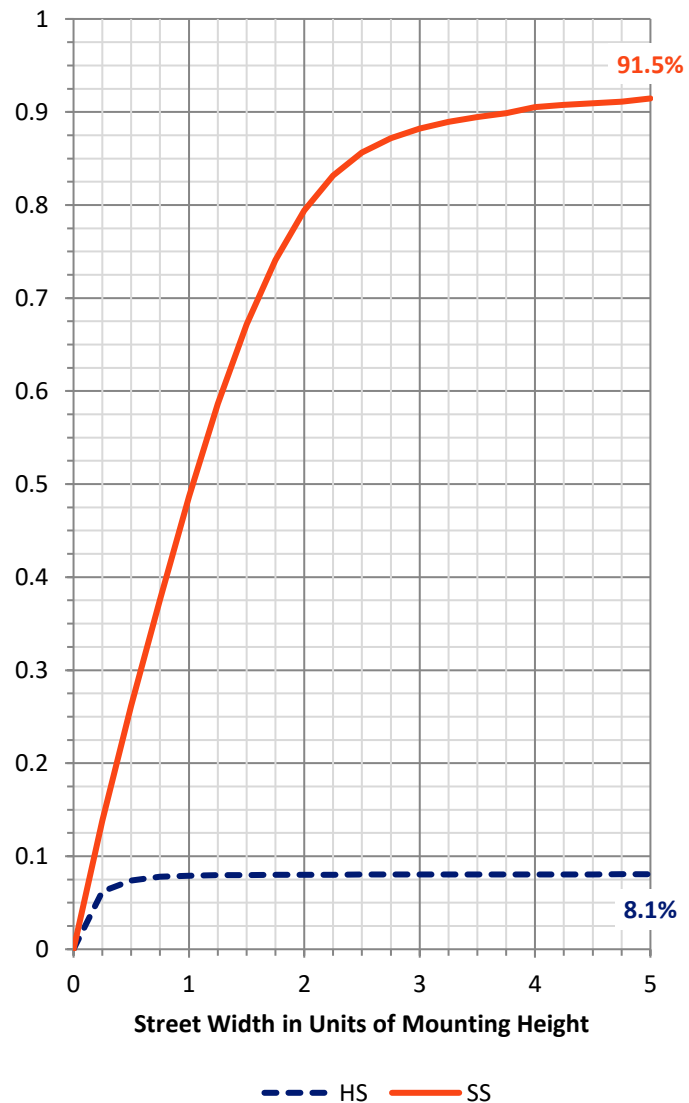
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	190.1	0.0	190.1
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	2143.7	0.0	2143.7
	% Fixture	91.9	0.0	91.9
Total	Lumens	2333.8	0.0	2333.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.0	2.0
10°-20°	76.4	3.3
20°-30°	109.4	4.7
30°-40°	194.8	8.3
40°-50°	320.6	13.7
50°-60°	494.3	21.2
60°-70°	576.1	24.7
70°-80°	446.4	19.1
80°-90°	69.7	3.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	2333.8	100.0
0°-180°	2333.8	100.0



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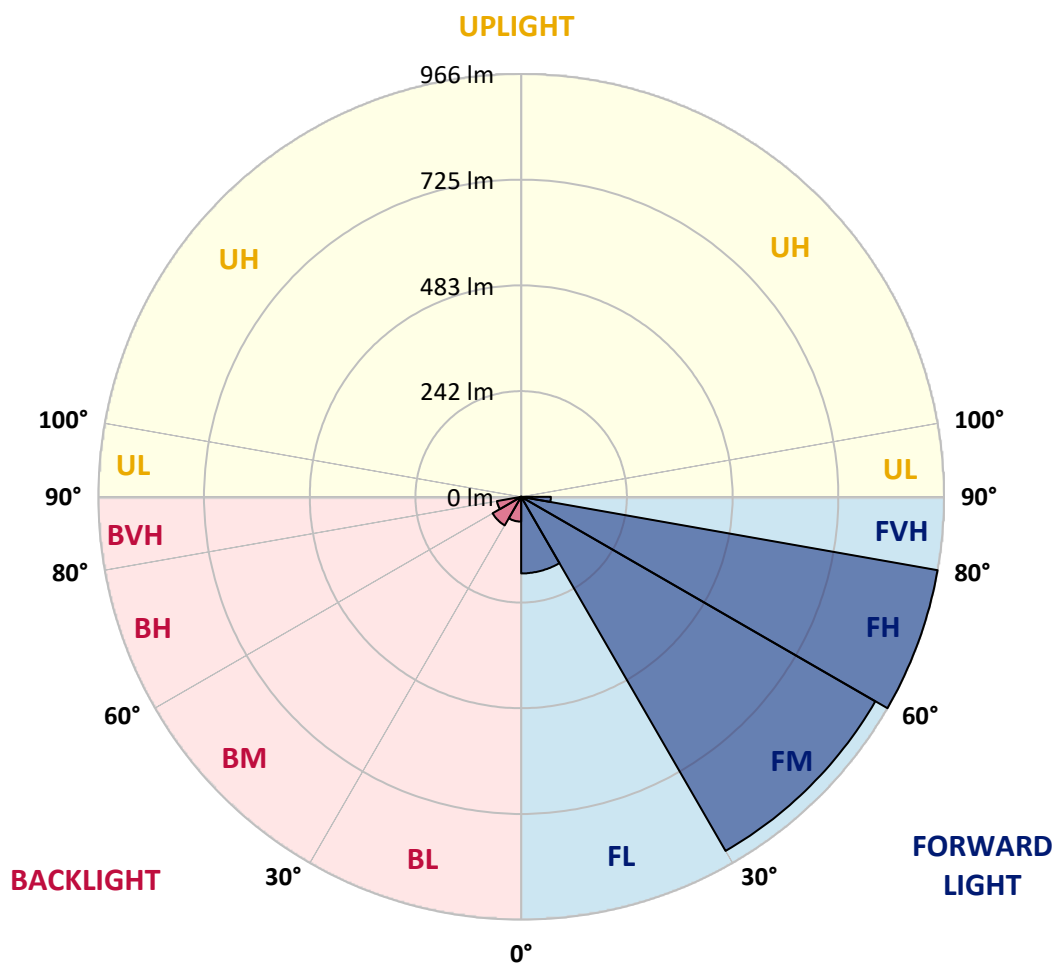
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	175.1	7.5			
FM	(30°-60°)	934.4	40.0			
FH	(60°-80°)	966.3	41.4			G1/1800
FVH	(80°-90°)	67.8	2.9			G1/100
BL	(0°-30°)	56.7	2.4	B0/110		
BM	(30°-60°)	75.3	3.2	B0/220		
BH	(60°-80°)	56.2	2.4	B0/110		G0/110
BVH	(80°-90°)	1.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	665.0	665.0	665.0	665.0	665.0	665.0	665.0	665.0	665.0	665.0	665.0
2.5°	621.4	644.8	658.9	672.1	689.4	706.6	707.6	708.6	708.6	708.6	707.6
5°	600.1	602.2	602.2	602.2	605.2	608.3	610.3	611.3	612.3	612.3	611.3
7.5°	469.4	506.9	530.2	552.5	558.6	564.7	572.8	579.9	586.0	591.0	595.1
10°	520.1	524.1	524.1	523.1	528.2	532.2	492.7	452.1	468.4	484.6	464.3
12.5°	401.4	421.7	447.1	471.4	487.6	503.8	485.6	467.3	439.0	409.6	407.5
15°	469.4	472.4	473.4	474.4	447.1	418.7	385.2	350.8	374.1	397.4	363.9
17.5°	360.9	363.9	392.3	420.7	423.8	426.8	405.5	383.2	334.5	285.9	331.5
20°	431.9	433.9	433.9	433.9	380.2	326.4	330.5	333.5	348.7	363.9	352.8
22.5°	347.7	343.7	345.7	346.7	362.9	378.1	346.7	314.3	337.6	359.9	340.6
25°	434.9	435.9	429.8	422.7	375.1	326.4	343.7	359.9	332.5	304.1	331.5
27.5°	393.3	389.3	375.1	360.9	368.0	375.1	342.7	309.2	335.6	360.9	348.7
30°	518.0	516.0	497.8	478.5	421.7	363.9	357.9	350.8	335.6	319.3	340.6
32.5°	691.4	667.1	599.1	530.2	494.7	458.2	413.6	369.0	374.1	378.1	381.2
35°	729.9	718.8	689.4	660.0	605.2	549.5	488.6	426.8	412.6	398.4	406.5
37.5°	740.0	736.0	731.9	726.9	662.0	597.1	536.3	474.4	463.3	451.1	442.0
40°	750.2	754.2	766.4	777.6	716.7	655.9	599.1	541.3	528.2	515.0	491.7
42.5°	790.7	793.8	812.0	830.3	771.5	711.7	662.0	612.3	593.1	573.8	552.5
45°	876.9	879.9	890.1	900.2	845.5	789.7	735.0	679.2	664.0	647.8	623.5
47.5°	996.5	999.6	994.5	989.4	926.6	862.7	797.8	733.0	727.9	722.8	697.5
50°	1133.4	1129.3	1102.0	1074.6	1005.7	936.7	860.7	783.6	787.7	791.7	773.5
52.5°	1196.2	1194.2	1162.8	1131.4	1060.4	988.4	909.3	829.3	843.5	856.6	846.5
55°	1192.2	1191.2	1169.9	1148.6	1081.7	1014.8	940.8	866.8	899.2	930.6	924.6
57.5°	1147.6	1149.6	1146.6	1143.5	1084.7	1025.9	966.1	906.3	955.0	1002.6	1010.7
60°	1077.6	1077.6	1092.8	1107.0	1072.6	1037.1	987.4	936.7	1003.6	1070.5	1090.8
62.5°	931.6	947.9	980.3	1012.7	1023.9	1035.1	994.5	954.0	1046.2	1138.5	1167.9
65°	717.7	724.8	783.6	842.4	897.2	950.9	954.0	957.0	1097.9	1237.8	1247.9
67.5°	416.7	446.1	510.9	574.8	682.3	788.7	843.5	898.2	1120.2	1341.2	1352.4
70°	219.0	231.1	262.6	293.0	389.3	484.6	620.4	755.3	1068.5	1380.7	1478.1
72.5°	150.0	161.2	178.4	195.7	232.2	267.6	365.0	461.3	850.5	1239.8	1541.9
75°	88.2	91.2	112.5	133.8	173.4	212.9	248.4	282.8	541.3	798.8	1288.5
77.5°	35.5	38.5	47.6	56.8	112.5	167.3	203.8	240.3	302.1	363.9	885.0
80°	19.3	19.3	23.3	26.4	50.7	74.0	136.9	199.7	230.1	260.5	573.8
82.5°	11.2	11.2	14.2	16.2	25.3	34.5	78.1	121.7	179.4	236.2	387.3
85°	4.1	4.1	5.1	6.1	12.2	17.2	28.4	38.5	111.5	183.5	223.0
87.5°	1.0	1.0	2.0	2.0	3.0	4.1	5.1	5.1	4.1	3.0	20.3
90°	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	665.0	665.0	665.0	665.0	665.0	665.0	665.0	665.0	665.0	665.0	665.0
2.5°	705.6	699.5	695.4	688.3	681.2	675.2	668.1	658.9	651.8	642.7	633.6
5°	610.3	652.9	696.5	692.4	687.3	673.1	658.9	642.7	627.5	609.3	591.0
7.5°	598.1	597.1	555.5	576.8	597.1	580.9	564.7	546.4	526.1	490.7	455.2
10°	444.0	447.1	446.1	451.1	456.2	469.4	481.5	455.2	429.8	374.1	317.3
12.5°	405.5	424.8	429.8	395.4	360.9	375.1	389.3	362.9	337.6	285.9	234.2
15°	329.5	279.8	350.8	397.4	443.0	450.1	456.2	421.7	381.2	310.2	238.2
17.5°	376.1	393.3	373.1	374.1	374.1	375.1	376.1	344.7	304.1	250.4	196.7
20°	341.6	336.6	338.6	372.1	405.5	427.8	449.1	401.4	349.7	266.6	182.5
22.5°	321.4	387.3	415.6	401.4	387.3	351.8	315.3	278.8	236.2	194.6	152.1
25°	357.9	323.4	345.7	400.4	455.2	455.2	455.2	392.3	322.4	233.2	144.0
27.5°	336.6	384.2	406.5	450.1	492.7	510.9	528.2	448.1	355.8	245.3	133.8
30°	361.9	384.2	463.3	550.5	637.7	622.4	606.2	503.8	387.3	257.5	127.7
32.5°	384.2	447.1	517.0	582.9	648.8	631.6	613.3	499.8	369.0	232.2	95.3
35°	414.6	455.2	520.1	600.1	680.2	653.9	626.5	501.8	354.8	212.9	71.0
37.5°	432.9	477.5	547.4	631.6	714.7	682.3	649.8	510.9	342.7	198.7	54.7
40°	467.3	511.9	581.9	670.1	758.3	720.8	682.3	527.2	335.6	190.6	45.6
42.5°	531.2	551.5	629.5	722.8	816.1	776.5	736.0	561.6	333.5	186.5	39.5
45°	598.1	611.3	680.2	784.7	888.1	847.5	805.9	604.2	340.6	189.6	37.5
47.5°	671.1	678.2	741.1	870.8	1000.6	944.8	889.1	663.0	355.8	195.7	35.5
50°	755.3	755.3	816.1	956.0	1095.9	1038.1	980.3	731.9	375.1	204.8	34.5
52.5°	835.3	846.5	893.1	1036.1	1179.0	1125.3	1070.5	808.0	400.4	216.9	32.4
55°	917.5	952.9	970.2	1116.2	1262.1	1200.3	1138.5	863.7	415.6	223.0	30.4
57.5°	1018.8	1056.3	1065.5	1189.1	1312.8	1253.0	1192.2	911.4	426.8	228.1	29.4
60°	1111.1	1153.7	1171.9	1263.1	1353.4	1291.5	1229.7	952.9	436.9	232.2	26.4
62.5°	1196.2	1228.7	1257.1	1315.9	1374.7	1316.9	1258.1	989.4	443.0	233.2	23.3
65°	1258.1	1287.5	1328.0	1361.5	1394.9	1351.3	1307.8	1052.3	460.2	239.2	17.2
67.5°	1362.5	1365.5	1388.9	1416.2	1443.6	1420.3	1397.0	1139.5	480.5	247.4	13.2
70°	1574.4	1539.9	1509.5	1536.9	1563.2	1530.8	1498.3	1164.8	433.9	222.0	10.1
72.5°	1844.0	1901.8	1754.8	1698.1	1640.3	1520.6	1400.0	1002.6	308.2	158.1	8.1
75°	1778.1	2071.1	1926.1	1698.1	1470.0	1285.5	1099.9	752.2	189.6	98.3	6.1
77.5°	1405.1	1719.3	1667.6	1432.4	1196.2	969.2	742.1	462.3	66.9	36.5	6.1
80°	887.0	1189.1	1144.5	930.6	715.7	508.9	302.1	140.9	25.3	16.2	7.1
82.5°	538.3	708.6	556.6	348.7	140.9	99.3	57.8	30.4	8.1	7.1	6.1
85°	261.6	293.0	191.6	110.5	28.4	26.4	23.3	15.2	4.1	4.1	3.0
87.5°	36.5	26.4	16.2	11.2	5.1	5.1	5.1	3.0	3.0	3.0	2.0
90°	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	665.0	665.0	665.0	665.0	665.0	665.0	665.0	665.0	665.0	665.0	665.0
2.5°	626.5	618.4	609.3	600.1	590.0	579.9	550.5	520.1	503.8	486.6	482.6
5°	557.6	524.1	482.6	440.0	421.7	403.5	394.4	384.2	378.1	371.0	365.0
7.5°	408.5	360.9	360.9	359.9	344.7	329.5	312.2	294.0	282.8	271.7	242.3
10°	292.0	265.6	247.4	229.1	222.0	214.9	192.6	169.3	171.3	172.3	166.3
12.5°	226.1	216.9	183.5	150.0	138.9	127.7	120.6	113.5	103.4	93.3	86.2
15°	193.6	149.0	123.7	98.3	87.2	75.0	64.9	53.7	50.7	46.6	51.7
17.5°	159.2	120.6	96.3	72.0	55.8	39.5	41.6	43.6	47.6	51.7	53.7
20°	136.9	91.2	69.9	48.7	43.6	38.5	40.6	41.6	40.6	38.5	44.6
22.5°	111.5	71.0	53.7	35.5	36.5	37.5	34.5	31.4	37.5	43.6	43.6
25°	95.3	46.6	41.6	36.5	33.5	30.4	34.5	37.5	35.5	33.5	38.5
27.5°	87.2	40.6	35.5	30.4	31.4	32.4	31.4	29.4	32.4	35.5	34.5
30°	83.1	37.5	34.5	30.4	29.4	27.4	28.4	28.4	27.4	26.4	29.4
32.5°	66.9	38.5	33.5	27.4	26.4	24.3	23.3	22.3	23.3	24.3	25.3
35°	53.7	35.5	31.4	26.4	24.3	22.3	21.3	19.3	19.3	19.3	20.3
37.5°	43.6	32.4	28.4	23.3	21.3	19.3	18.2	16.2	16.2	16.2	16.2
40°	38.5	30.4	26.4	21.3	19.3	16.2	15.2	13.2	13.2	12.2	12.2
42.5°	33.5	27.4	23.3	18.2	16.2	14.2	12.2	10.1	10.1	9.1	9.1
45°	31.4	25.3	21.3	17.2	14.2	11.2	10.1	8.1	8.1	7.1	7.1
47.5°	30.4	24.3	20.3	15.2	12.2	9.1	8.1	6.1	6.1	6.1	6.1
50°	28.4	22.3	18.2	13.2	11.2	8.1	7.1	5.1	5.1	5.1	5.1
52.5°	27.4	21.3	16.2	11.2	9.1	6.1	5.1	4.1	4.1	4.1	4.1
55°	26.4	22.3	16.2	10.1	8.1	5.1	4.1	3.0	3.0	3.0	3.0
57.5°	25.3	21.3	15.2	8.1	6.1	4.1	3.0	2.0	2.0	2.0	2.0
60°	22.3	18.2	12.2	6.1	5.1	3.0	2.0	1.0	2.0	2.0	2.0
62.5°	19.3	14.2	10.1	5.1	4.1	2.0	2.0	1.0	2.0	2.0	2.0
65°	14.2	11.2	8.1	4.1	3.0	1.0	1.0	1.0	2.0	2.0	2.0
67.5°	11.2	8.1	6.1	3.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0
70°	8.1	6.1	4.1	2.0	2.0	1.0	1.0	1.0	2.0	2.0	2.0
72.5°	6.1	4.1	3.0	2.0	2.0	1.0	2.0	2.0	2.0	2.0	2.0
75°	5.1	4.1	3.0	2.0	2.0	1.0	2.0	2.0	3.0	3.0	3.0
77.5°	5.1	3.0	3.0	2.0	2.0	1.0	2.0	3.0	3.0	3.0	3.0
80°	5.1	3.0	3.0	2.0	2.0	1.0	2.0	3.0	3.0	3.0	3.0
82.5°	5.1	3.0	3.0	2.0	2.0	1.0	2.0	3.0	3.0	3.0	3.0
85°	3.0	3.0	3.0	3.0	2.0	1.0	3.0	4.1	4.1	3.0	3.0
87.5°	2.0	2.0	3.0	3.0	2.0	1.0	3.0	4.1	4.1	3.0	3.0
90°	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):

	165°	170°	175°	180°
0°	665.0	665.0	665.0	665.0
2.5°	477.5	472.4	466.3	478.5
5°	358.9	354.8	350.8	357.9
7.5°	212.9	213.9	213.9	202.8
10°	159.2	150.0	139.9	139.9
12.5°	79.1	73.0	66.9	65.9
15°	56.8	57.8	58.8	58.8
17.5°	55.8	53.7	50.7	48.7
20°	49.7	51.7	52.7	52.7
22.5°	43.6	42.6	40.6	40.6
25°	43.6	44.6	45.6	45.6
27.5°	33.5	33.5	32.4	32.4
30°	32.4	32.4	32.4	32.4
32.5°	25.3	26.4	26.4	26.4
35°	21.3	21.3	21.3	21.3
37.5°	16.2	16.2	16.2	15.2
40°	12.2	12.2	12.2	12.2
42.5°	9.1	9.1	9.1	9.1
45°	7.1	7.1	7.1	7.1
47.5°	6.1	6.1	5.1	5.1
50°	4.1	4.1	4.1	4.1
52.5°	3.0	3.0	3.0	3.0
55°	2.0	2.0	2.0	2.0
57.5°	2.0	2.0	2.0	2.0
60°	1.0	1.0	1.0	1.0
62.5°	1.0	1.0	1.0	1.0
65°	1.0	1.0	1.0	1.0
67.5°	1.0	1.0	1.0	1.0
70°	1.0	1.0	1.0	1.0
72.5°	2.0	2.0	1.0	1.0
75°	2.0	2.0	1.0	1.0
77.5°	2.0	2.0	1.0	1.0
80°	2.0	2.0	1.0	1.0
82.5°	2.0	2.0	1.0	1.0
85°	2.0	2.0	2.0	1.0
87.5°	2.0	2.0	2.0	1.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)