

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: P560269

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560269
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-16)
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
Description: Springdale
(1) 80 CRI, 2700K, 375mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2780 lumens
Efficiency: N/A
Efficacy: 92.4 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

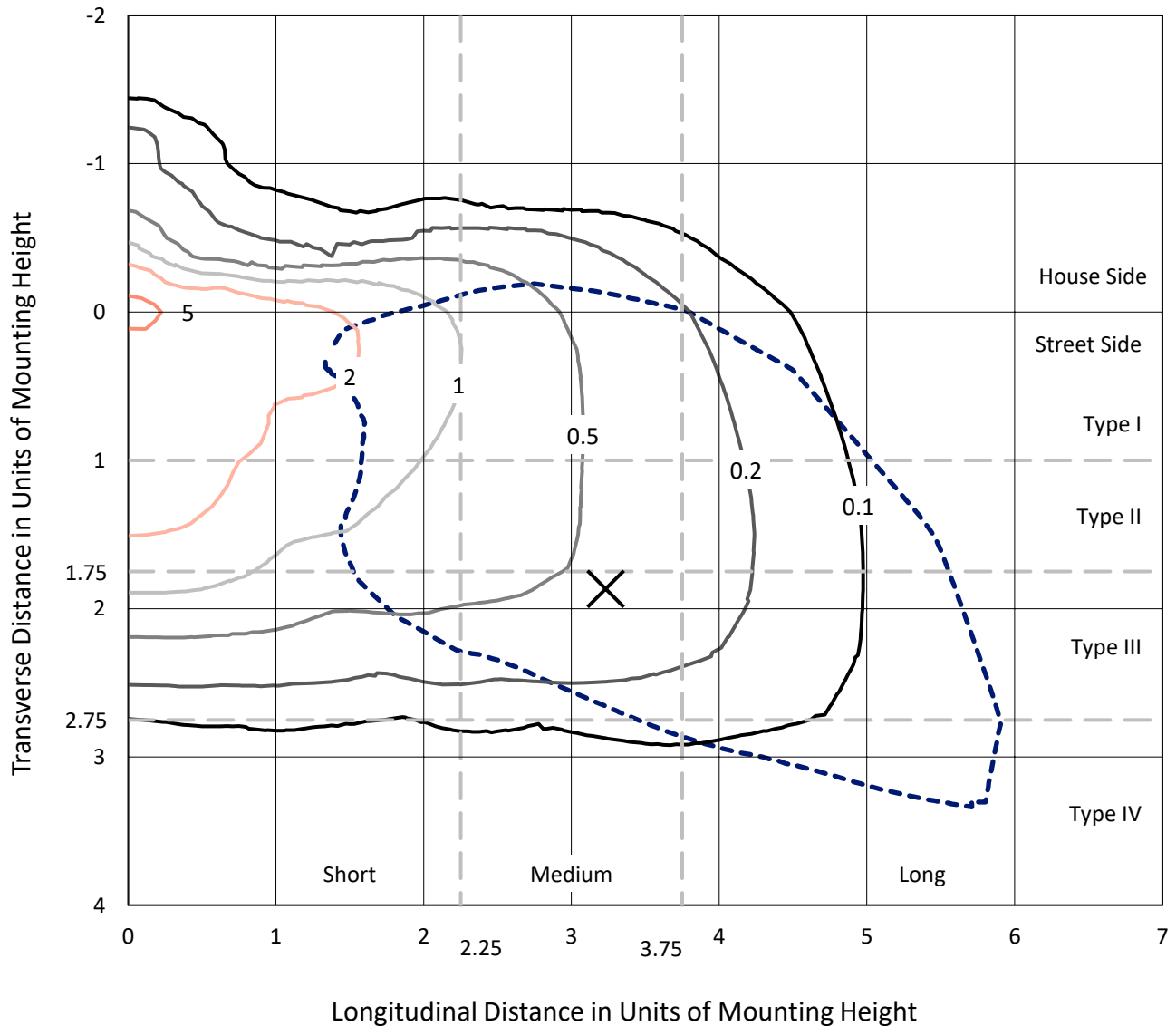
Input Watts (W): 30.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

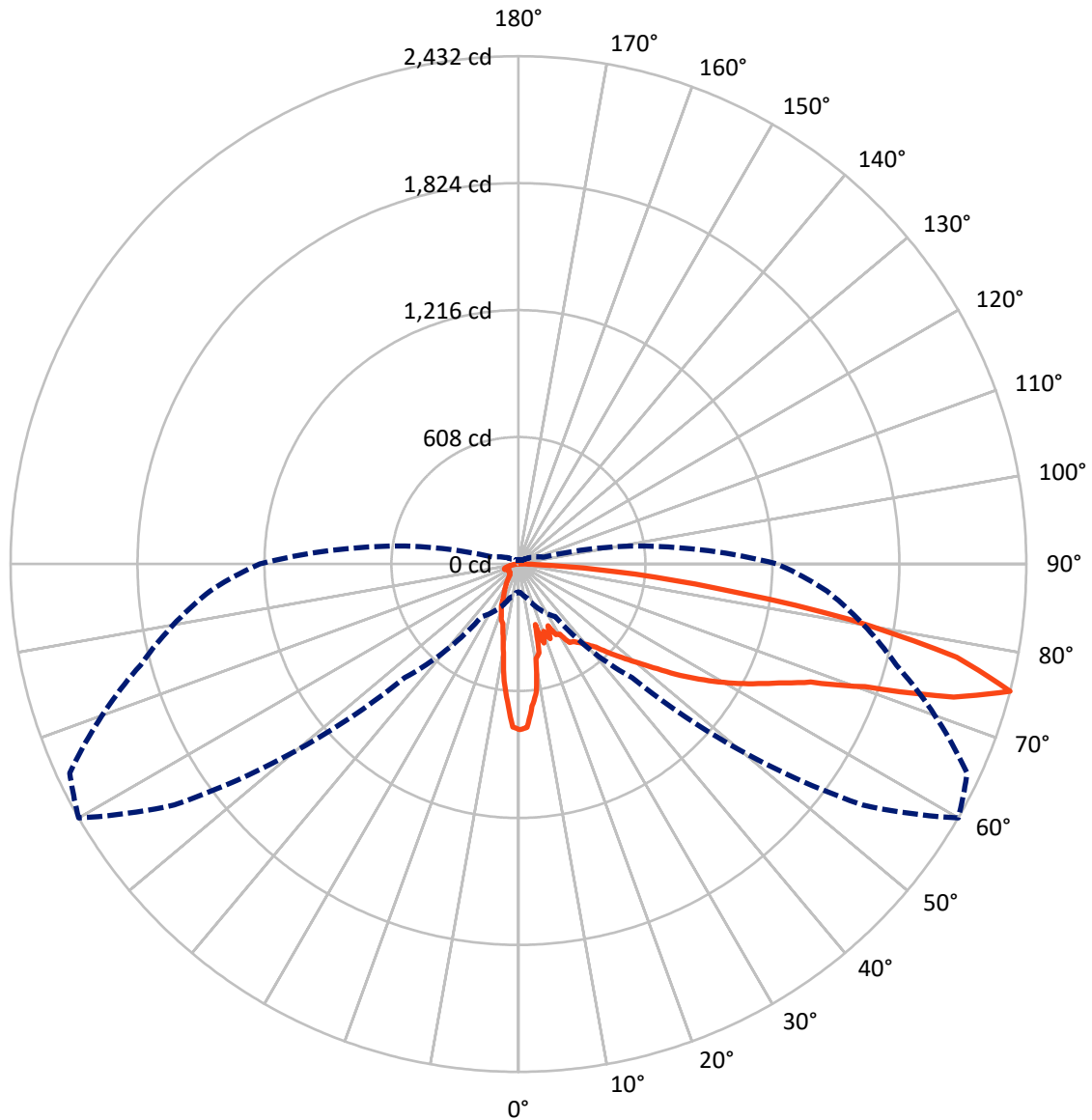
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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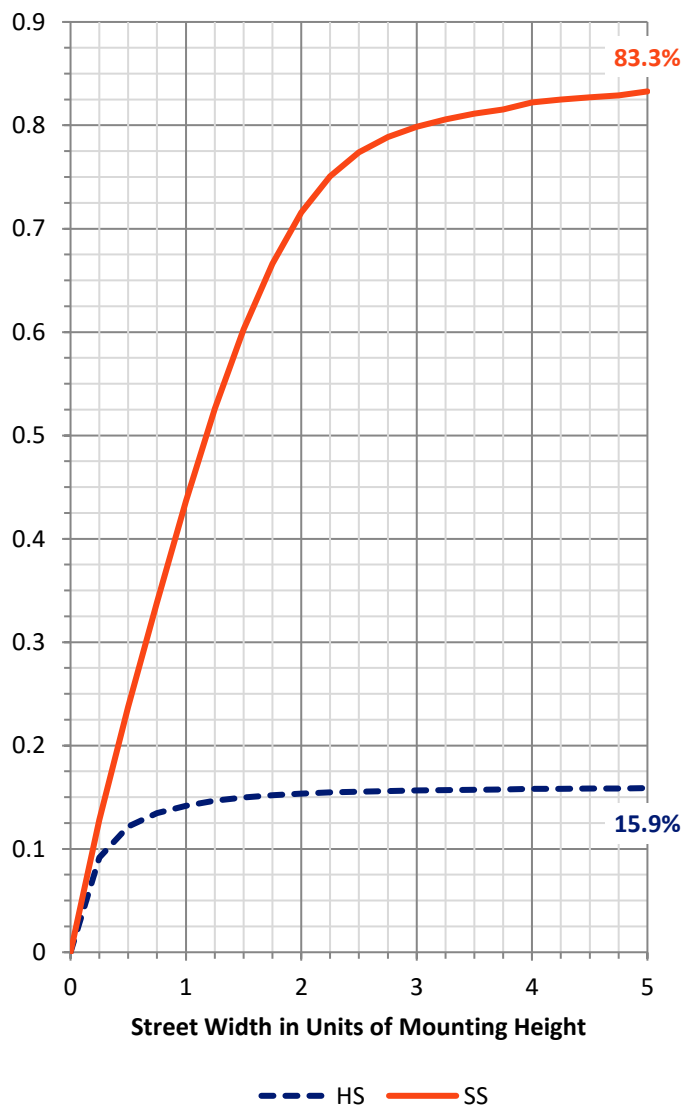
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	446.8	0.0	446.8
	% Fixture	16.1	0.0	16.1
Street Side	Lumens	2333.2	0.0	2333.2
	% Fixture	83.9	0.0	83.9
Total	Lumens	2780.0	0.0	2780.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.8	2.1
10°-20°	104.4	3.8
20°-30°	136.7	4.9
30°-40°	225.6	8.1
40°-50°	352.3	12.7
50°-60°	536.4	19.3
60°-70°	664.6	23.9
70°-80°	587.1	21.1
80°-90°	115.1	4.1
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°	2780.0	100.0
0°-180°	2780.0	100.0

Coefficient of Utilization



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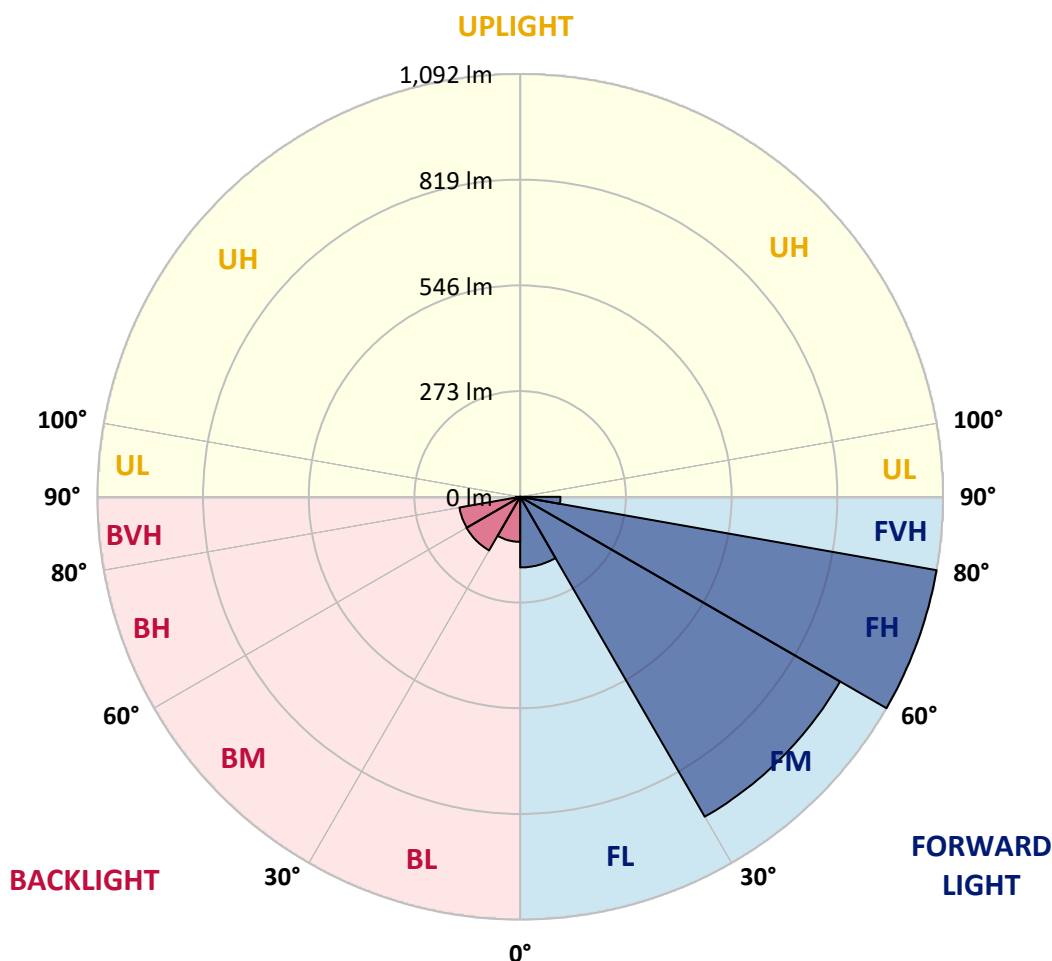
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	182.5	6.6			
FM (30°-60°)	954.2	34.3			
FH (60°-80°)	1092.4	39.3			G1/1800
FVH (80°-90°)	104.1	3.7			G2/225
BL (0°-30°)	116.4	4.2	B1/500		
BM (30°-60°)	160.1	5.8	B0/220		
BH (60°-80°)	159.4	5.7	B1/500		G1/500
BVH (80°-90°)	11.0	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	793.0	793.0	793.0	793.0	793.0	793.0	793.0	793.0	793.0	793.0	793.0
2.5°	658.6	732.9	715.6	698.3	724.8	750.2	758.4	765.5	769.6	773.6	777.7
5°	611.8	612.8	613.8	614.8	617.9	619.9	624.0	628.1	632.1	635.2	639.3
7.5°	472.3	488.6	515.1	541.5	557.8	573.1	582.3	590.4	596.5	602.6	608.7
10°	525.3	528.3	529.3	529.3	534.4	539.5	500.8	461.1	480.5	499.8	478.4
12.5°	412.3	423.5	457.1	489.6	499.8	509.0	490.6	472.3	443.8	414.3	412.3
15°	473.3	476.4	477.4	477.4	445.9	414.3	392.9	370.5	387.8	404.1	366.5
17.5°	366.5	369.5	396.0	422.4	427.5	432.6	410.2	387.8	338.0	287.1	334.9
20°	435.7	437.7	437.7	437.7	384.8	331.8	335.9	339.0	355.3	371.5	358.3
22.5°	351.2	351.2	351.2	351.2	367.5	382.7	350.2	317.6	335.9	354.2	338.0
25°	441.8	444.8	437.7	429.6	380.7	331.8	347.1	362.4	334.9	307.4	331.8
27.5°	403.1	400.1	385.8	370.5	377.7	384.8	351.2	317.6	339.0	360.4	350.2
30°	535.4	526.3	511.0	495.7	437.7	379.7	370.5	361.4	343.0	323.7	345.1
32.5°	711.5	688.1	616.9	545.6	510.0	474.4	428.6	382.7	378.7	373.6	379.7
35°	758.4	743.1	713.6	683.0	622.0	559.9	501.8	442.8	423.5	403.1	407.2
37.5°	767.5	762.4	756.3	749.2	687.1	625.0	561.9	498.8	478.4	457.1	441.8
40°	774.7	778.7	789.9	800.1	738.0	674.9	617.9	559.9	538.5	516.1	489.6
42.5°	807.2	818.4	832.7	845.9	788.9	731.9	682.0	632.1	604.7	577.2	552.7
45°	882.6	888.7	903.9	918.2	864.2	809.3	752.3	694.2	670.8	647.4	623.0
47.5°	992.5	1002.7	1001.7	1000.6	940.6	879.5	815.4	750.2	735.0	718.7	695.3
50°	1130.9	1123.8	1104.5	1085.1	1020.0	953.8	878.5	802.1	795.0	786.9	767.5
52.5°	1200.2	1195.1	1168.6	1141.1	1074.9	1008.8	927.3	844.9	854.1	863.2	844.9
55°	1204.2	1201.2	1181.8	1162.5	1098.4	1034.2	962.0	889.7	912.1	934.5	927.3
57.5°	1174.7	1175.7	1169.6	1162.5	1105.5	1048.5	988.4	928.4	967.0	1004.7	1011.8
60°	1099.4	1114.6	1124.8	1135.0	1099.4	1063.8	1011.8	959.9	1019.0	1078.0	1097.3
62.5°	959.9	973.2	1009.8	1045.4	1052.6	1058.7	1024.1	988.4	1067.8	1146.2	1177.8
65°	744.1	762.4	817.4	872.4	929.4	986.4	994.5	1002.7	1137.0	1271.4	1297.9
67.5°	464.2	474.4	532.4	589.4	704.4	818.4	883.6	948.7	1180.8	1411.9	1453.6
70°	245.3	260.6	289.1	316.6	415.3	514.1	646.4	778.7	1114.6	1450.6	1621.6
72.5°	186.3	192.4	207.7	222.9	257.5	292.1	375.6	459.1	872.4	1284.6	1678.6
75°	134.4	139.5	155.7	171.0	205.6	239.2	273.8	307.4	538.5	769.6	1391.5
77.5°	78.4	80.4	88.6	95.7	149.6	203.6	241.3	277.9	333.9	388.9	993.5
80°	54.0	55.0	58.0	61.1	84.5	107.9	180.2	252.4	277.9	302.3	658.6
82.5°	35.6	40.7	42.8	44.8	52.9	61.1	105.9	149.6	219.9	289.1	449.9
85°	18.3	20.4	24.4	27.5	31.6	34.6	47.8	60.1	182.2	303.3	323.7
87.5°	2.0	3.1	4.1	4.1	5.1	6.1	9.2	12.2	55.0	97.7	83.5
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°	793.0	793.0	793.0	793.0	793.0	793.0	793.0	793.0	793.0	793.0	793.0
2.5°	781.8	783.8	782.8	784.8	785.9	786.9	787.9	787.9	786.9	784.8	782.8
5°	643.3	684.1	753.3	760.4	767.5	769.6	771.6	772.6	770.6	767.5	764.5
7.5°	613.8	619.9	557.8	607.7	656.6	660.6	663.7	661.7	662.7	635.2	606.7
10°	457.1	462.1	464.2	479.5	493.7	527.3	560.9	555.8	551.7	502.9	453.0
12.5°	410.2	436.7	442.8	417.4	391.9	426.5	461.1	457.1	449.9	405.1	360.4
15°	328.8	301.3	360.4	415.3	469.3	501.8	533.4	524.2	516.1	459.1	401.1
17.5°	381.7	398.0	378.7	386.8	395.0	419.4	442.8	428.6	423.5	383.8	343.0
20°	345.1	344.1	330.8	378.7	426.5	474.4	521.2	506.9	482.5	405.1	326.8
22.5°	321.7	387.8	416.3	410.2	403.1	384.8	365.4	353.2	334.9	317.6	299.3
25°	355.3	327.8	350.2	423.5	495.7	509.0	522.2	491.7	452.0	373.6	295.2
27.5°	340.0	382.7	411.2	460.1	508.0	553.8	599.6	558.9	506.9	409.2	310.5
30°	366.5	389.9	469.3	560.9	652.5	668.8	684.1	628.1	558.9	460.1	361.4
32.5°	385.8	447.9	518.1	589.4	659.6	671.8	684.1	620.9	541.5	432.6	323.7
35°	410.2	456.0	520.2	603.6	687.1	690.2	692.2	618.9	529.3	406.2	282.0
37.5°	426.5	478.4	547.7	636.2	724.8	718.7	711.5	628.1	525.3	387.8	250.4
40°	463.2	508.0	582.3	672.9	763.5	753.3	743.1	647.4	526.3	369.5	211.7
42.5°	527.3	544.6	625.0	721.7	818.4	807.2	795.0	681.0	538.5	359.3	179.2
45°	597.5	605.7	674.9	784.8	894.8	880.5	866.3	732.9	560.9	354.2	147.6
47.5°	670.8	668.8	732.9	866.3	998.6	968.1	937.5	794.0	602.6	364.4	126.2
50°	747.2	744.1	806.2	949.7	1093.3	1060.7	1028.1	867.3	650.5	382.7	114.0
52.5°	825.6	832.7	878.5	1028.1	1176.7	1147.2	1116.7	946.7	697.3	403.1	108.9
55°	919.2	941.6	959.9	1109.6	1259.2	1229.7	1199.1	1028.1	762.4	434.7	106.9
57.5°	1017.9	1047.5	1055.6	1192.0	1328.4	1309.1	1288.7	1105.5	828.6	471.3	113.0
60°	1116.7	1155.4	1184.9	1294.8	1403.7	1381.3	1359.0	1183.9	890.7	512.0	133.4
62.5°	1208.3	1262.2	1310.1	1390.5	1469.9	1443.4	1417.0	1252.1	960.9	568.0	174.1
65°	1323.3	1371.2	1423.1	1476.0	1527.9	1502.5	1477.0	1337.6	1054.6	638.3	220.9
67.5°	1495.4	1509.6	1536.1	1568.7	1600.2	1584.9	1568.7	1442.4	1136.0	679.0	220.9
70°	1791.6	1760.0	1720.3	1719.3	1717.3	1692.8	1667.4	1501.5	1141.1	662.7	184.2
72.5°	2071.5	2179.4	2053.2	1961.6	1870.0	1762.1	1653.1	1422.1	1007.8	577.2	146.6
75°	2012.5	2431.9	2370.8	2122.4	1874.0	1678.6	1483.1	1238.8	829.6	477.4	125.2
77.5°	1597.2	2145.8	2203.8	1975.8	1746.8	1482.1	1216.4	957.9	575.1	340.0	104.8
80°	1013.9	1604.3	1614.5	1402.7	1190.0	906.0	622.0	417.4	276.9	180.2	83.5
82.5°	610.8	949.7	826.6	592.4	358.3	248.4	137.4	132.3	101.8	75.3	48.9
85°	344.1	465.2	333.9	218.9	103.8	74.3	43.8	46.8	44.8	36.6	27.5
87.5°	68.2	80.4	55.0	31.6	8.1	8.1	7.1	7.1	5.1	5.1	4.1
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°	793.0	793.0	793.0	793.0	793.0	793.0	793.0	793.0	793.0	793.0	793.0
2.5°	782.8	782.8	780.8	778.7	777.7	776.7	746.2	715.6	695.3	673.9	668.8
5°	726.8	689.1	660.6	632.1	626.0	619.9	618.9	617.9	614.8	610.8	609.7
7.5°	574.1	540.5	563.9	586.3	582.3	577.2	574.1	570.0	562.9	555.8	520.2
10°	441.8	430.6	430.6	429.6	421.4	413.3	431.6	449.9	470.3	490.6	488.6
12.5°	376.6	391.9	352.2	311.5	333.9	355.3	375.6	395.0	405.1	415.3	383.8
15°	355.3	308.4	295.2	282.0	292.1	302.3	272.8	242.3	265.7	289.1	294.2
17.5°	318.6	294.2	281.0	266.7	228.0	188.3	201.6	214.8	213.8	212.8	207.7
20°	297.2	266.7	243.3	218.9	200.5	182.2	162.9	142.5	133.4	123.2	147.6
22.5°	283.0	266.7	217.8	169.0	154.7	140.5	125.2	108.9	115.0	120.1	124.2
25°	247.4	198.5	171.0	143.5	121.1	97.7	98.7	99.8	94.7	89.6	113.0
27.5°	250.4	189.3	146.6	103.8	95.7	86.5	81.4	75.3	83.5	90.6	92.6
30°	262.6	163.9	124.2	84.5	75.3	66.2	69.2	71.3	71.3	71.3	81.4
32.5°	233.1	142.5	105.9	68.2	63.1	57.0	58.0	58.0	63.1	68.2	73.3
35°	197.5	112.0	86.5	60.1	55.0	49.9	51.9	54.0	59.0	64.1	71.3
37.5°	170.0	88.6	71.3	54.0	50.9	47.8	48.9	49.9	55.0	59.0	65.1
40°	143.5	74.3	63.1	51.9	48.9	45.8	46.8	46.8	50.9	55.0	59.0
42.5°	124.2	68.2	60.1	50.9	47.8	43.8	44.8	44.8	47.8	50.9	54.0
45°	106.9	65.1	58.0	49.9	46.8	42.8	42.8	41.7	44.8	46.8	48.9
47.5°	95.7	64.1	57.0	49.9	45.8	40.7	39.7	38.7	41.7	43.8	46.8
50°	89.6	64.1	57.0	48.9	43.8	38.7	37.7	36.6	40.7	43.8	48.9
52.5°	87.5	65.1	57.0	48.9	42.8	36.6	36.6	36.6	43.8	50.9	52.9
55°	87.5	67.2	58.0	47.8	41.7	35.6	37.7	39.7	41.7	43.8	43.8
57.5°	89.6	66.2	56.0	45.8	41.7	36.6	35.6	34.6	35.6	36.6	36.6
60°	98.7	64.1	54.0	43.8	38.7	33.6	32.6	31.6	33.6	34.6	34.6
62.5°	119.1	63.1	54.0	43.8	37.7	31.6	31.6	30.5	31.6	32.6	33.6
65°	145.6	70.2	57.0	43.8	37.7	31.6	29.5	27.5	29.5	30.5	30.5
67.5°	151.7	82.5	66.2	48.9	39.7	30.5	28.5	26.5	28.5	29.5	29.5
70°	137.4	90.6	71.3	51.9	41.7	30.5	28.5	25.4	26.5	27.5	26.5
72.5°	118.1	88.6	70.2	50.9	40.7	29.5	27.5	24.4	25.4	25.4	24.4
75°	100.8	76.3	60.1	42.8	34.6	25.4	23.4	21.4	22.4	22.4	22.4
77.5°	84.5	63.1	48.9	33.6	27.5	20.4	19.3	18.3	19.3	20.4	19.3
80°	66.2	47.8	36.6	24.4	20.4	15.3	16.3	16.3	17.3	17.3	17.3
82.5°	38.7	28.5	23.4	17.3	14.3	11.2	12.2	13.2	14.3	14.3	14.3
85°	23.4	18.3	15.3	12.2	10.2	7.1	9.2	10.2	10.2	10.2	9.2
87.5°	4.1	4.1	4.1	4.1	3.1	2.0	4.1	5.1	5.1	5.1	4.1
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°	793.0	793.0	793.0	793.0
2.5°	662.7	662.7	661.7	661.7
5°	608.7	606.7	604.7	606.7
7.5°	484.5	470.3	456.0	460.1
10°	485.6	484.5	483.5	482.5
12.5°	351.2	340.0	328.8	321.7
15°	298.3	295.2	291.1	291.1
17.5°	201.6	192.4	183.2	177.1
20°	172.0	177.1	181.2	183.2
22.5°	128.3	132.3	136.4	138.4
25°	135.4	145.6	154.7	155.7
27.5°	93.7	98.7	102.8	100.8
30°	91.6	94.7	97.7	97.7
32.5°	78.4	86.5	94.7	95.7
35°	78.4	82.5	86.5	87.5
37.5°	70.2	73.3	75.3	76.3
40°	63.1	65.1	66.2	66.2
42.5°	56.0	61.1	65.1	65.1
45°	49.9	63.1	76.3	80.4
47.5°	48.9	68.2	87.5	91.6
50°	52.9	71.3	88.6	90.6
52.5°	54.0	64.1	73.3	73.3
55°	42.8	47.8	51.9	50.9
57.5°	36.6	40.7	43.8	43.8
60°	34.6	39.7	43.8	44.8
62.5°	33.6	35.6	37.7	39.7
65°	30.5	30.5	30.5	30.5
67.5°	28.5	28.5	27.5	27.5
70°	25.4	25.4	25.4	25.4
72.5°	23.4	23.4	23.4	22.4
75°	21.4	21.4	20.4	20.4
77.5°	18.3	18.3	18.3	18.3
80°	16.3	16.3	15.3	15.3
82.5°	13.2	13.2	12.2	11.2
85°	8.1	8.1	7.1	6.1
87.5°	3.1	3.1	2.0	1.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)