

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: P560158

Luminaire Tested: **SDL-PA1-30-727-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560158
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-PA1-30-727-U-SL3-HSS
Description: Springdale
(1) 70 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: 2655 lumens
Efficiency: N/A
Efficacy: 88.2 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: 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

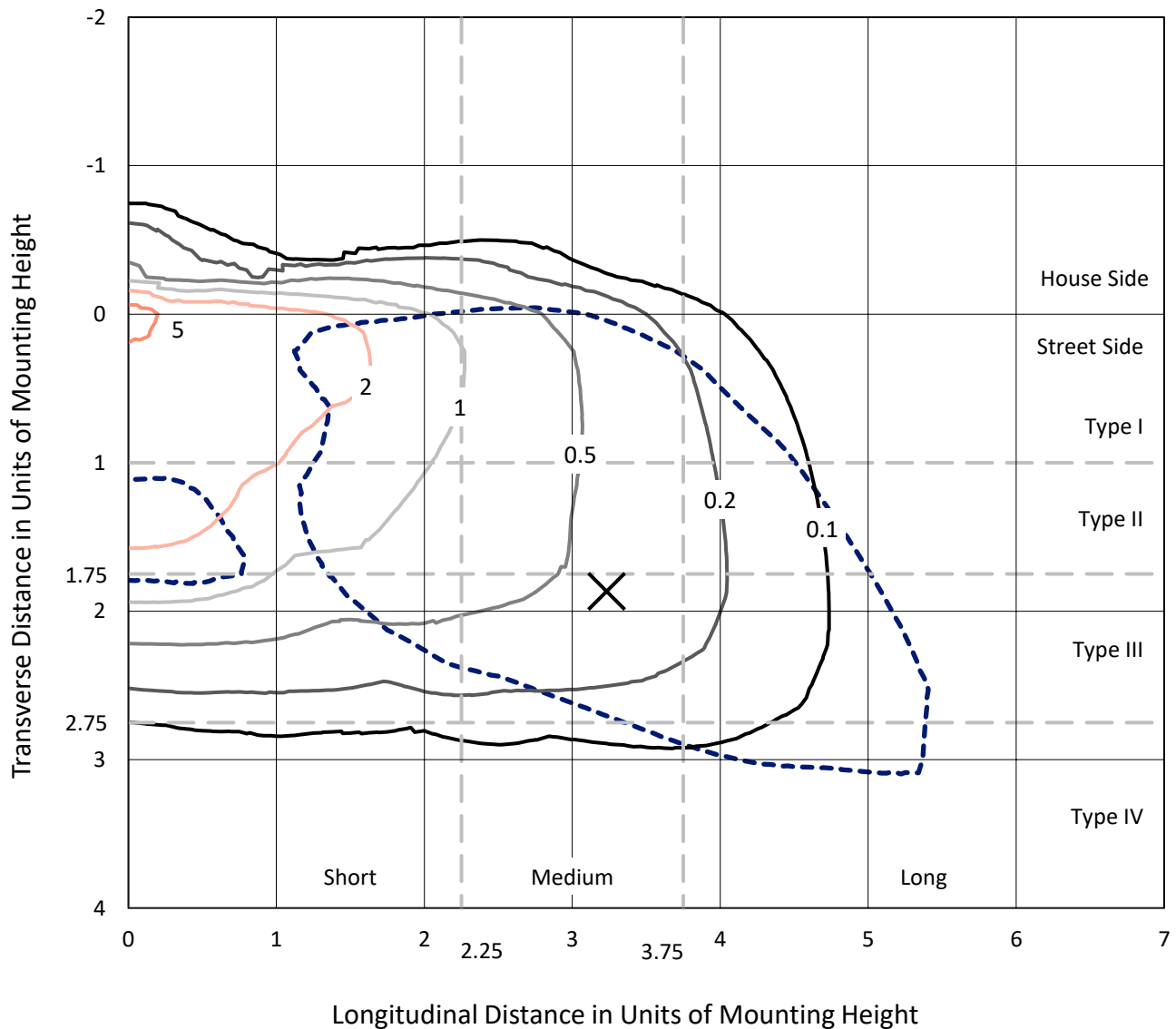


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

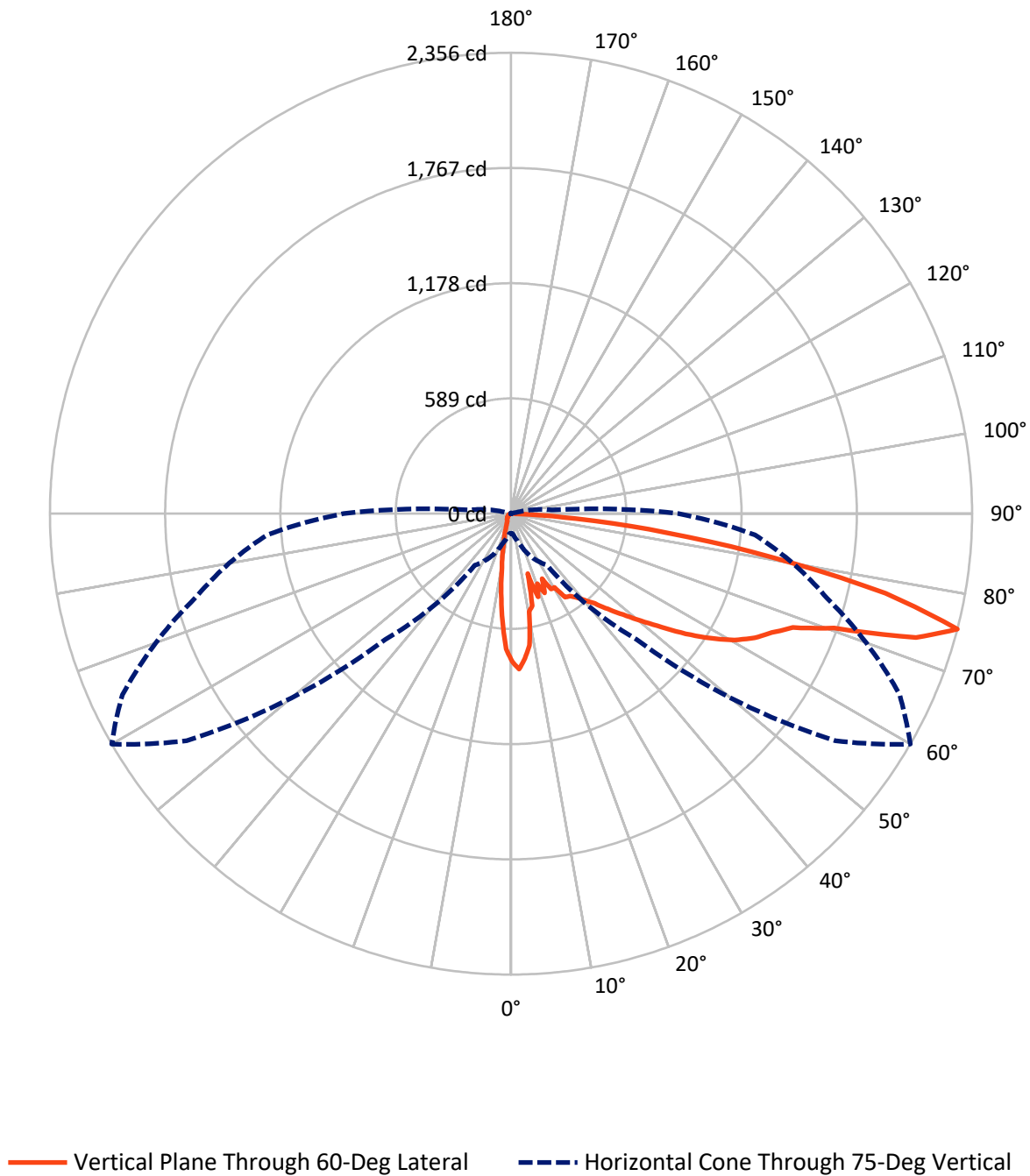


Based on 10 foot mounting height. Maximum calculated value = 7.6 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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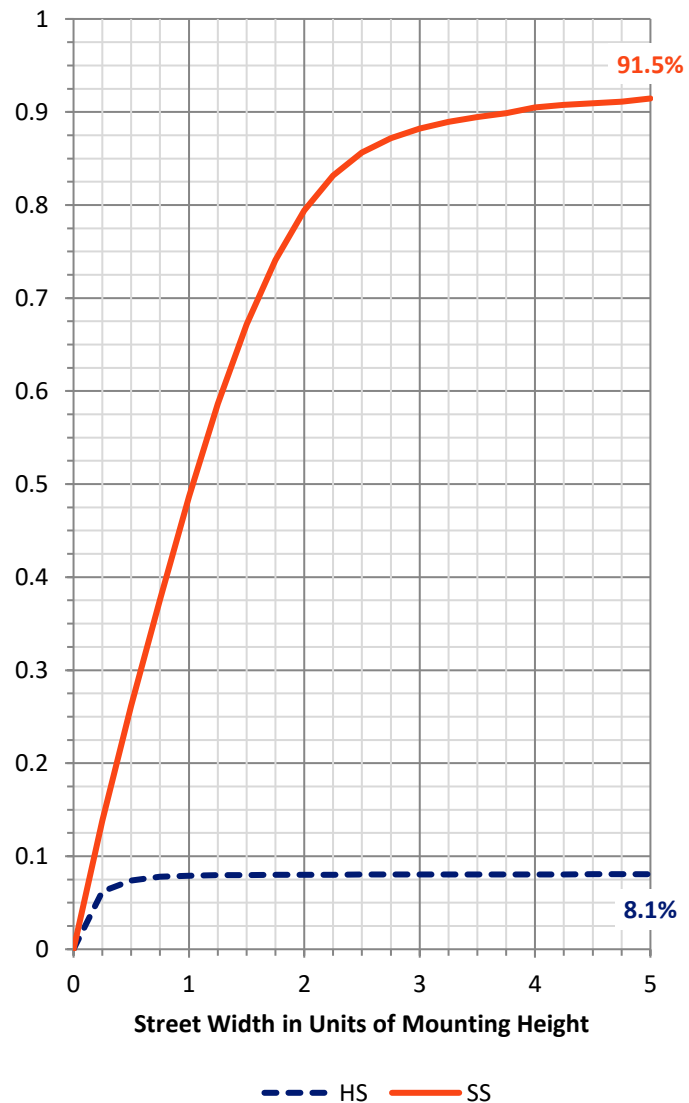
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	216.3	0.0	216.3
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	2438.7	0.0	2438.7
	% Fixture	91.9	0.0	91.9
Total	Lumens	2655.0	0.0	2655.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.3	2.0
10°-20°	86.9	3.3
20°-30°	124.5	4.7
30°-40°	221.6	8.3
40°-50°	364.7	13.7
50°-60°	562.4	21.2
60°-70°	655.4	24.7
70°-80°	507.9	19.1
80°-90°	79.3	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°	2655.0	100.0
0°-180°	2655.0	100.0

Coefficient of Utilization



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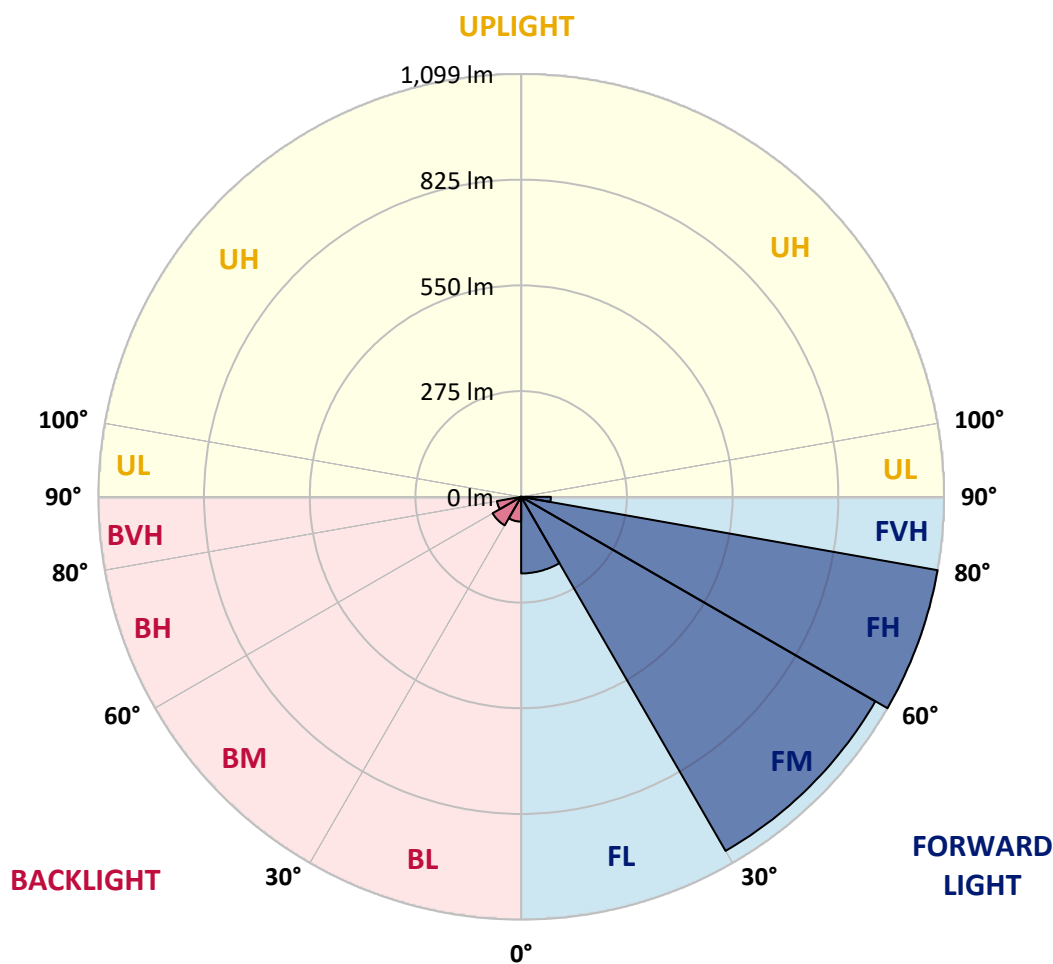
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	199.2	7.5			
FM	(30°-60°)	1063.1	40.0			
FH	(60°-80°)	1099.4	41.4			G1/1800
FVH	(80°-90°)	77.1	2.9			G1/100
BL	(0°-30°)	64.5	2.4	B0/110		
BM	(30°-60°)	85.6	3.2	B0/220		
BH	(60°-80°)	64.0	2.4	B0/110		G0/110
BVH	(80°-90°)	2.2	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°	756.6	756.6	756.6	756.6	756.6	756.6	756.6	756.6	756.6	756.6	756.6
2.5°	707.0	733.5	749.7	764.6	784.2	803.9	805.0	806.2	806.2	806.2	805.0
5°	682.8	685.1	685.1	685.1	688.5	692.0	694.3	695.4	696.6	696.6	695.4
7.5°	534.0	576.7	603.2	628.6	635.5	642.4	651.6	659.7	666.6	672.4	677.0
10°	591.6	596.3	596.3	595.1	600.9	605.5	560.5	514.4	532.8	551.3	528.2
12.5°	456.7	479.8	508.6	536.3	554.7	573.2	552.4	531.7	499.4	465.9	463.6
15°	534.0	537.4	538.6	539.7	508.6	476.3	438.3	399.0	425.6	452.1	414.0
17.5°	410.6	414.0	446.3	478.6	482.1	485.5	461.3	436.0	380.6	325.2	377.1
20°	491.3	493.6	493.6	493.6	432.5	371.4	376.0	379.4	396.7	414.0	401.4
22.5°	395.6	391.0	393.3	394.4	412.9	430.2	394.4	357.5	384.1	409.4	387.5
25°	494.8	495.9	489.0	480.9	426.7	371.4	391.0	409.4	378.3	346.0	377.1
27.5°	447.5	442.9	426.7	410.6	418.7	426.7	389.8	351.8	381.7	410.6	396.7
30°	589.3	587.0	566.3	544.4	479.8	414.0	407.1	399.0	381.7	363.3	387.5
32.5°	786.6	758.9	681.6	603.2	562.8	521.3	470.5	419.8	425.6	430.2	433.6
35°	830.4	817.7	784.2	750.8	688.5	625.1	555.9	485.5	469.4	453.3	462.5
37.5°	841.9	837.3	832.7	826.9	753.1	679.3	610.1	539.7	527.1	513.2	502.8
40°	853.4	858.1	871.9	884.6	815.4	746.2	681.6	615.9	600.9	585.9	559.4
42.5°	899.6	903.0	923.8	944.6	877.7	809.6	753.1	696.6	674.7	652.8	628.6
45°	997.6	1001.1	1012.6	1024.1	961.9	898.4	836.1	772.7	755.4	737.0	709.3
47.5°	1133.7	1137.2	1131.4	1125.6	1054.1	981.5	907.7	833.8	828.1	822.3	793.5
50°	1289.4	1284.8	1253.6	1222.5	1144.1	1065.7	979.2	891.5	896.1	900.7	880.0
52.5°	1360.9	1358.6	1322.8	1287.1	1206.4	1124.5	1034.5	943.4	959.6	974.5	963.0
55°	1356.3	1355.1	1330.9	1306.7	1230.6	1154.5	1070.3	986.1	1023.0	1058.7	1051.8
57.5°	1305.5	1307.9	1304.4	1300.9	1234.0	1167.1	1099.1	1031.1	1086.4	1140.6	1149.8
60°	1226.0	1226.0	1243.3	1259.4	1220.2	1179.8	1123.3	1065.7	1141.8	1217.9	1241.0
62.5°	1059.9	1078.3	1115.2	1152.2	1164.8	1177.5	1131.4	1085.3	1190.2	1295.2	1328.6
65°	816.5	824.6	891.5	958.4	1020.7	1081.8	1085.3	1088.7	1249.0	1408.2	1419.7
67.5°	474.0	507.5	581.3	653.9	776.2	897.3	959.6	1021.8	1274.4	1525.8	1538.5
70°	249.1	263.0	298.7	333.3	442.9	551.3	705.8	859.2	1215.6	1570.8	1681.5
72.5°	170.7	183.4	203.0	222.6	264.1	304.5	415.2	524.8	967.6	1410.5	1754.2
75°	100.3	103.8	128.0	152.2	197.2	242.2	282.6	321.8	615.9	908.8	1465.9
77.5°	40.4	43.8	54.2	64.6	128.0	190.3	231.8	273.3	343.7	414.0	1006.8
80°	21.9	21.9	26.5	30.0	57.7	84.2	155.7	227.2	261.8	296.4	652.8
82.5°	12.7	12.7	16.1	18.5	28.8	39.2	88.8	138.4	204.1	268.7	440.6
85°	4.6	4.6	5.8	6.9	13.8	19.6	32.3	43.8	126.9	208.7	253.7
87.5°	1.2	1.2	2.3	2.3	3.5	4.6	5.8	5.8	4.6	3.5	23.1
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	756.6	756.6	756.6	756.6	756.6	756.6	756.6	756.6	756.6	756.6	756.6
2.5°	802.7	795.8	791.2	783.1	775.0	768.1	760.0	749.7	741.6	731.2	720.8
5°	694.3	742.7	792.3	787.7	781.9	765.8	749.7	731.2	713.9	693.1	672.4
7.5°	680.5	679.3	632.0	656.2	679.3	660.8	642.4	621.6	598.6	558.2	517.8
10°	505.1	508.6	507.5	513.2	519.0	534.0	547.8	517.8	489.0	425.6	361.0
12.5°	461.3	483.2	489.0	449.8	410.6	426.7	442.9	412.9	384.1	325.2	266.4
15°	374.8	318.3	399.0	452.1	504.0	512.1	519.0	479.8	433.6	352.9	271.0
17.5°	427.9	447.5	424.4	425.6	425.6	426.7	427.9	392.1	346.0	284.9	223.7
20°	388.7	382.9	385.2	423.3	461.3	486.7	510.9	456.7	397.9	303.3	207.6
22.5°	365.6	440.6	472.9	456.7	440.6	400.2	358.7	317.2	268.7	221.4	173.0
25°	407.1	367.9	393.3	455.6	517.8	517.8	517.8	446.3	366.8	265.3	163.8
27.5°	382.9	437.1	462.5	512.1	560.5	581.3	600.9	509.8	404.8	279.1	152.2
30°	411.7	437.1	527.1	626.2	725.4	708.1	689.7	573.2	440.6	292.9	145.3
32.5°	437.1	508.6	588.2	663.2	738.1	718.5	697.8	568.6	419.8	264.1	108.4
35°	471.7	517.8	591.6	682.8	773.9	743.9	712.7	570.9	403.7	242.2	80.7
37.5°	492.5	543.2	622.8	718.5	813.1	776.2	739.3	581.3	389.8	226.0	62.3
40°	531.7	582.4	662.0	762.3	862.7	820.0	776.2	599.7	381.7	216.8	51.9
42.5°	604.3	627.4	716.2	822.3	928.4	883.4	837.3	638.9	379.4	212.2	45.0
45°	680.5	695.4	773.9	892.7	1010.3	964.2	916.9	687.4	387.5	215.7	42.7
47.5°	763.5	771.6	843.1	990.7	1138.3	1074.9	1011.5	754.3	404.8	222.6	40.4
50°	859.2	859.2	928.4	1087.6	1246.7	1181.0	1115.2	832.7	426.7	233.0	39.2
52.5°	950.3	963.0	1016.1	1178.7	1341.3	1280.2	1217.9	919.2	455.6	246.8	36.9
55°	1043.7	1084.1	1103.7	1269.8	1435.9	1365.5	1295.2	982.6	472.9	253.7	34.6
57.5°	1159.1	1201.7	1212.1	1352.8	1493.5	1425.5	1356.3	1036.8	485.5	259.5	33.4
60°	1264.0	1312.5	1333.2	1437.0	1539.7	1469.3	1399.0	1084.1	497.1	264.1	30.0
62.5°	1360.9	1397.8	1430.1	1497.0	1563.9	1498.1	1431.3	1125.6	504.0	265.3	26.5
65°	1431.3	1464.7	1510.8	1548.9	1587.0	1537.4	1487.8	1197.1	523.6	272.2	19.6
67.5°	1550.0	1553.5	1580.0	1611.2	1642.3	1615.8	1589.3	1296.3	546.7	281.4	15.0
70°	1791.1	1751.9	1717.3	1748.4	1778.4	1741.5	1704.6	1325.2	493.6	252.6	11.5
72.5°	2097.9	2163.6	1996.4	1931.8	1866.1	1730.0	1592.7	1140.6	350.6	179.9	9.2
75°	2022.9	2356.2	2191.3	1931.8	1672.3	1462.4	1251.3	855.8	215.7	111.9	6.9
77.5°	1598.5	1956.0	1897.2	1629.6	1360.9	1102.6	844.2	525.9	76.1	41.5	6.9
80°	1009.1	1352.8	1302.1	1058.7	814.2	579.0	343.7	160.3	28.8	18.5	8.1
82.5°	612.4	806.2	633.2	396.7	160.3	113.0	65.7	34.6	9.2	8.1	6.9
85°	297.6	333.3	218.0	125.7	32.3	30.0	26.5	17.3	4.6	4.6	3.5
87.5°	41.5	30.0	18.5	12.7	5.8	5.8	5.8	3.5	3.5	3.5	2.3
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	756.6	756.6	756.6	756.6	756.6	756.6	756.6	756.6	756.6	756.6	756.6
2.5°	712.7	703.5	693.1	682.8	671.2	659.7	626.2	591.6	573.2	553.6	549.0
5°	634.3	596.3	549.0	500.5	479.8	459.0	448.6	437.1	430.2	422.1	415.2
7.5°	464.8	410.6	410.6	409.4	392.1	374.8	355.2	334.5	321.8	309.1	275.6
10°	332.2	302.2	281.4	260.6	252.6	244.5	219.1	192.6	194.9	196.1	189.1
12.5°	257.2	246.8	208.7	170.7	158.0	145.3	137.2	129.2	117.6	106.1	98.0
15°	220.3	169.5	140.7	111.9	99.2	85.3	73.8	61.1	57.7	53.1	58.8
17.5°	181.1	137.2	109.6	81.9	63.4	45.0	47.3	49.6	54.2	58.8	61.1
20°	155.7	103.8	79.6	55.4	49.6	43.8	46.1	47.3	46.1	43.8	50.7
22.5°	126.9	80.7	61.1	40.4	41.5	42.7	39.2	35.8	42.7	49.6	49.6
25°	108.4	53.1	47.3	41.5	38.1	34.6	39.2	42.7	40.4	38.1	43.8
27.5°	99.2	46.1	40.4	34.6	35.8	36.9	35.8	33.4	36.9	40.4	39.2
30°	94.6	42.7	39.2	34.6	33.4	31.1	32.3	32.3	31.1	30.0	33.4
32.5°	76.1	43.8	38.1	31.1	30.0	27.7	26.5	25.4	26.5	27.7	28.8
35°	61.1	40.4	35.8	30.0	27.7	25.4	24.2	21.9	21.9	21.9	23.1
37.5°	49.6	36.9	32.3	26.5	24.2	21.9	20.8	18.5	18.5	18.5	18.5
40°	43.8	34.6	30.0	24.2	21.9	18.5	17.3	15.0	15.0	13.8	13.8
42.5°	38.1	31.1	26.5	20.8	18.5	16.1	13.8	11.5	11.5	10.4	10.4
45°	35.8	28.8	24.2	19.6	16.1	12.7	11.5	9.2	9.2	8.1	8.1
47.5°	34.6	27.7	23.1	17.3	13.8	10.4	9.2	6.9	6.9	6.9	6.9
50°	32.3	25.4	20.8	15.0	12.7	9.2	8.1	5.8	5.8	5.8	5.8
52.5°	31.1	24.2	18.5	12.7	10.4	6.9	5.8	4.6	4.6	4.6	4.6
55°	30.0	25.4	18.5	11.5	9.2	5.8	4.6	3.5	3.5	3.5	3.5
57.5°	28.8	24.2	17.3	9.2	6.9	4.6	3.5	2.3	2.3	2.3	2.3
60°	25.4	20.8	13.8	6.9	5.8	3.5	2.3	1.2	2.3	2.3	2.3
62.5°	21.9	16.1	11.5	5.8	4.6	2.3	2.3	1.2	2.3	2.3	2.3
65°	16.1	12.7	9.2	4.6	3.5	1.2	1.2	1.2	2.3	2.3	2.3
67.5°	12.7	9.2	6.9	3.5	2.3	1.2	1.2	1.2	2.3	2.3	2.3
70°	9.2	6.9	4.6	2.3	2.3	1.2	1.2	1.2	2.3	2.3	2.3
72.5°	6.9	4.6	3.5	2.3	2.3	1.2	2.3	2.3	2.3	2.3	2.3
75°	5.8	4.6	3.5	2.3	2.3	1.2	2.3	2.3	3.5	3.5	3.5
77.5°	5.8	3.5	3.5	2.3	2.3	1.2	2.3	3.5	3.5	3.5	3.5
80°	5.8	3.5	3.5	2.3	2.3	1.2	2.3	3.5	3.5	3.5	3.5
82.5°	5.8	3.5	3.5	2.3	2.3	1.2	2.3	3.5	3.5	3.5	3.5
85°	3.5	3.5	3.5	3.5	2.3	1.2	3.5	4.6	4.6	3.5	3.5
87.5°	2.3	2.3	3.5	3.5	2.3	1.2	3.5	4.6	4.6	3.5	3.5
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):

	165°	170°	175°	180°
0°	756.6	756.6	756.6	756.6
2.5°	543.2	537.4	530.5	544.4
5°	408.3	403.7	399.0	407.1
7.5°	242.2	243.3	243.3	230.7
10°	181.1	170.7	159.2	159.2
12.5°	90.0	83.0	76.1	75.0
15°	64.6	65.7	66.9	66.9
17.5°	63.4	61.1	57.7	55.4
20°	56.5	58.8	60.0	60.0
22.5°	49.6	48.4	46.1	46.1
25°	49.6	50.7	51.9	51.9
27.5°	38.1	38.1	36.9	36.9
30°	36.9	36.9	36.9	36.9
32.5°	28.8	30.0	30.0	30.0
35°	24.2	24.2	24.2	24.2
37.5°	18.5	18.5	18.5	17.3
40°	13.8	13.8	13.8	13.8
42.5°	10.4	10.4	10.4	10.4
45°	8.1	8.1	8.1	8.1
47.5°	6.9	6.9	5.8	5.8
50°	4.6	4.6	4.6	4.6
52.5°	3.5	3.5	3.5	3.5
55°	2.3	2.3	2.3	2.3
57.5°	2.3	2.3	2.3	2.3
60°	1.2	1.2	1.2	1.2
62.5°	1.2	1.2	1.2	1.2
65°	1.2	1.2	1.2	1.2
67.5°	1.2	1.2	1.2	1.2
70°	1.2	1.2	1.2	1.2
72.5°	2.3	2.3	1.2	1.2
75°	2.3	2.3	1.2	1.2
77.5°	2.3	2.3	1.2	1.2
80°	2.3	2.3	1.2	1.2
82.5°	2.3	2.3	1.2	1.2
85°	2.3	2.3	2.3	1.2
87.5°	2.3	2.3	2.3	1.2
90°	0.0	0.0	0.0	0.0

(END OF REPORT)