

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: P455394

Luminaire Tested: **GLAN-SA6C-750-U-SLL**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455394
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-20)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA6C-750-U-SLL
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35936 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

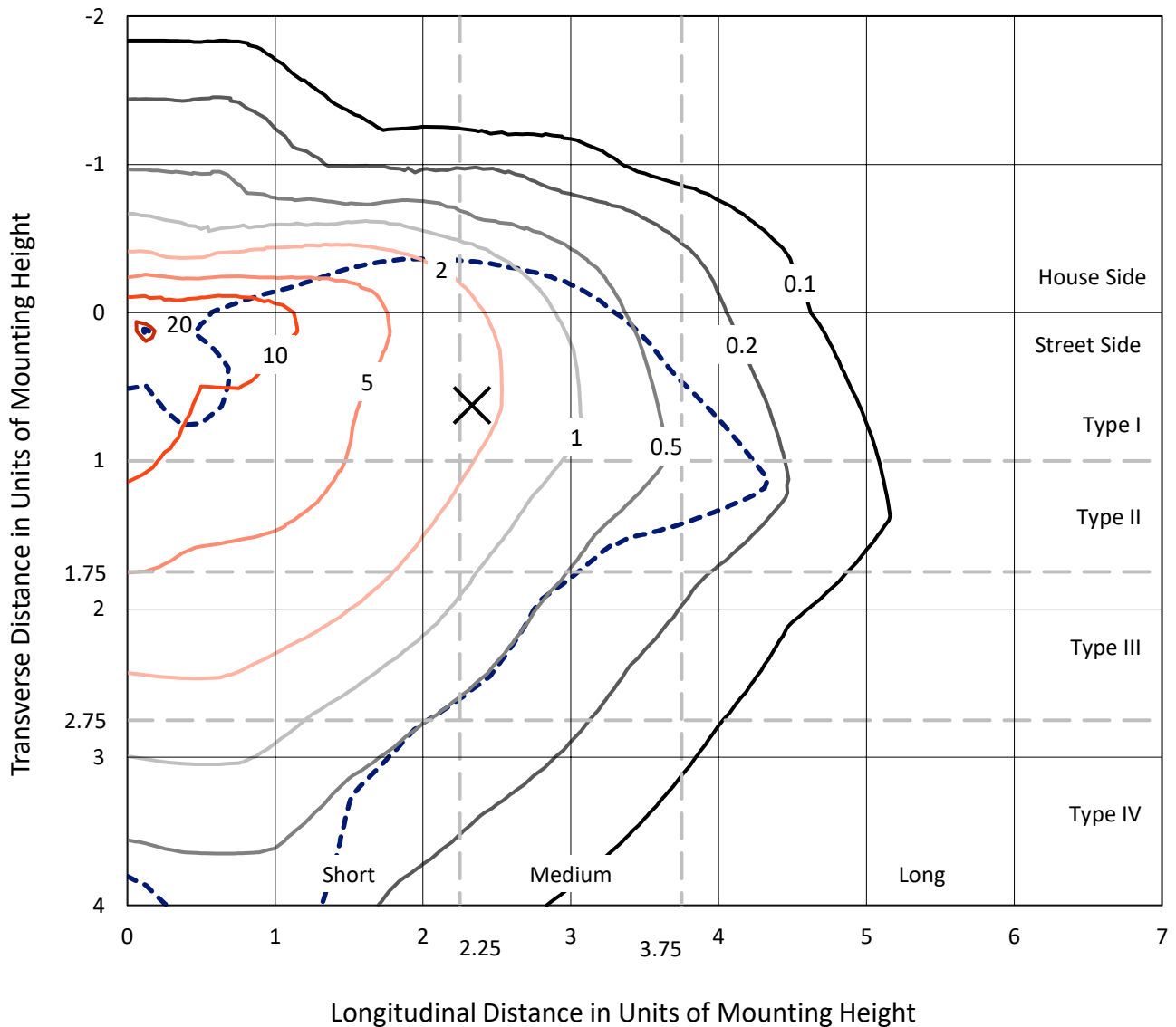
Input Watts (W): 321
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

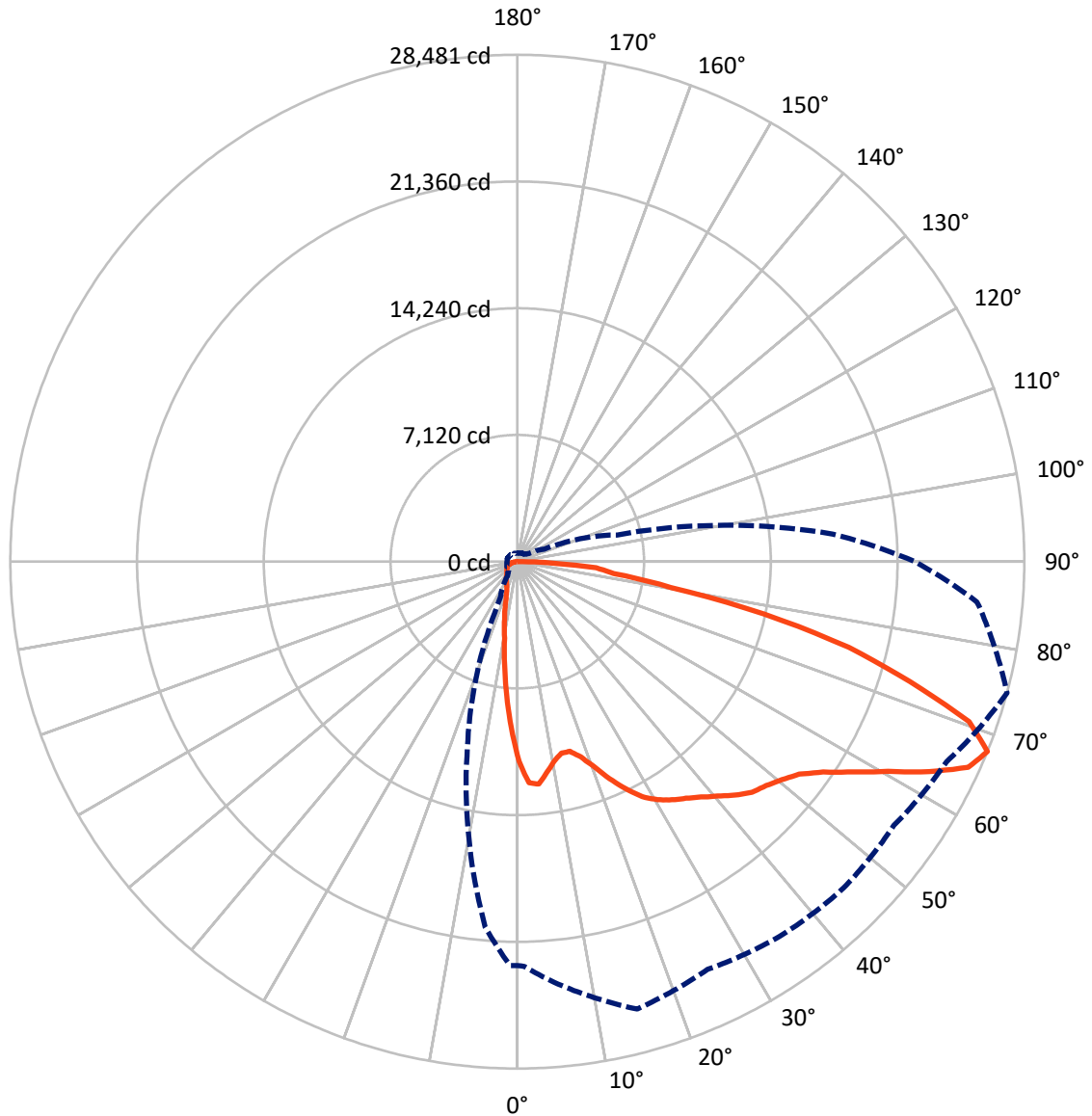
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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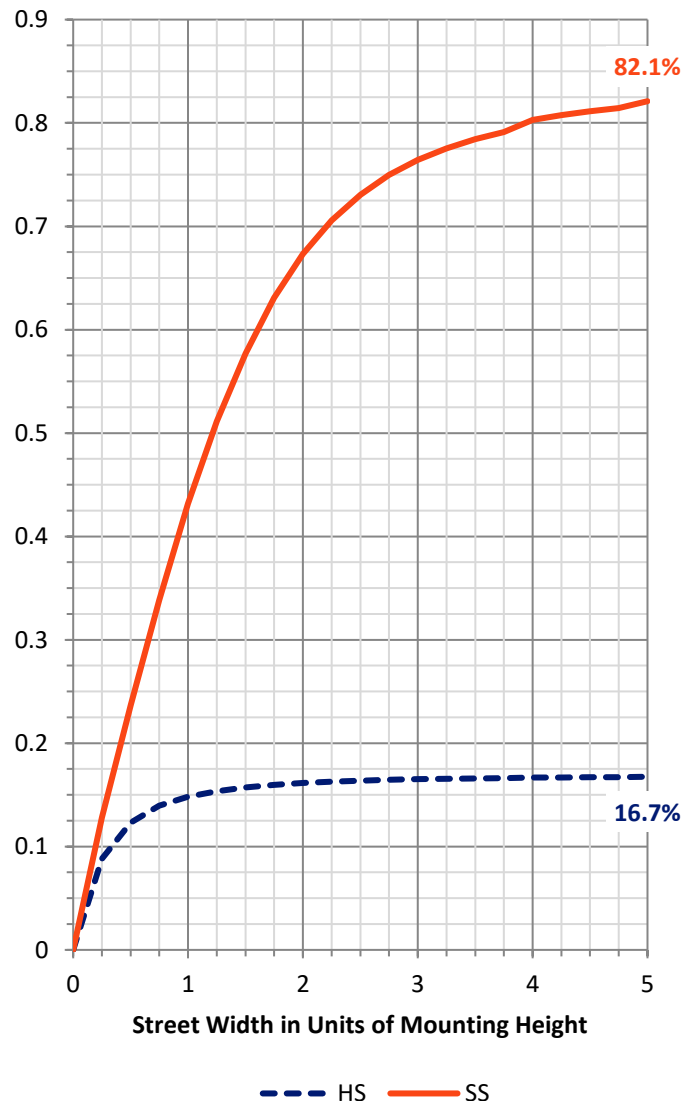
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6074.0	0.0	6074.0
	% Fixture	16.9	0.0	16.9
Street Side	Lumens	29862.1	0.0	29862.1
	% Fixture	83.1	0.0	83.1
Total	Lumens	35936.0	0.0	35936.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	851.6	2.4
10°-20°	1775.9	4.9
20°-30°	2555.6	7.1
30°-40°	3680.8	10.2
40°-50°	5170.5	14.4
50°-60°	7211.1	20.1
60°-70°	8573.5	23.9
70°-80°	5049.3	14.1
80°-90°	1067.7	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°	35936.0	100.0
0°-180°	35936.0	100.0



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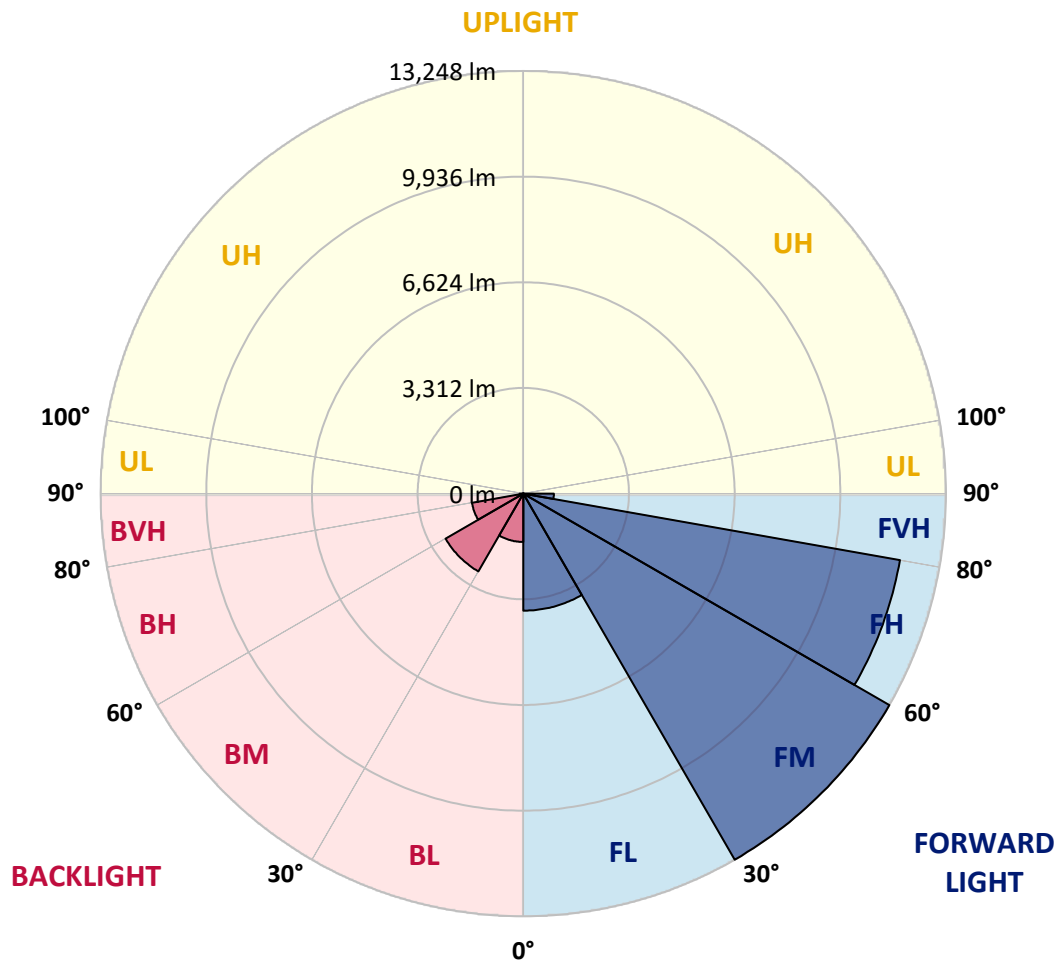
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3668.1	10.2			
FM	(30°-60°)	13248.3	36.9			
FH	(60°-80°)	11988.4	33.4			G4/12000
FVH	(80°-90°)	957.3	2.7			G5
BL	(0°-30°)	1515.0	4.2	B3/2500		
BM	(30°-60°)	2814.1	7.8	B3/5000		
BH	(60°-80°)	1634.4	4.5	B3/2500		G3/2500
BVH	(80°-90°)	110.4	0.3			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	11227.3	11227.3	11227.3	11227.3	11227.3	11227.3	11227.3	11227.3	11227.3	11227.3	11227.3
2.5°	12105.3	12121.4	12225.1	12527.0	12734.4	12810.4	12863.4	12764.3	12667.5	12432.5	12077.6
5°	12068.4	12162.9	12432.5	13110.0	13644.6	13875.1	13944.2	13646.9	13156.1	12552.3	11826.4
7.5°	11363.2	11490.0	11904.8	13040.9	13983.4	14522.6	14451.2	13914.2	13029.3	11953.2	10939.2
10°	10526.7	10667.3	11167.3	12540.8	13755.2	14497.3	14497.3	13842.8	12667.5	11388.6	10220.2
12.5°	9863.0	10010.5	10582.0	12026.9	13280.5	13983.4	14100.9	13538.6	12407.1	11031.4	9747.8
15°	9644.1	9787.0	10402.3	11715.8	12778.1	13206.8	13246.0	13061.6	12280.4	11056.7	9727.1
17.5°	9916.0	10100.4	10722.6	11808.0	12317.3	12342.6	12372.6	12517.7	12294.2	11519.9	10146.5
20°	10701.8	10900.0	11549.9	12105.3	11914.0	11651.3	11667.4	12040.7	12457.8	12285.0	11148.9
22.5°	11835.6	12008.5	12674.4	12628.4	11743.5	11201.9	11089.0	11609.8	12699.8	13239.0	12215.9
25°	13059.3	13262.1	14027.2	13405.0	11791.8	10934.6	10863.2	11356.3	12951.0	14130.9	13448.7
27.5°	14460.4	14658.6	15262.3	14188.5	12045.3	10913.9	10828.6	11333.3	13176.8	14955.8	14626.3
30°	15502.0	15684.1	16094.2	14847.5	12356.4	11052.1	10946.1	11515.3	13370.4	15520.4	15773.9
32.5°	16320.1	16509.0	16732.6	15257.7	12766.6	11303.3	11107.4	11847.2	13623.9	15951.4	16624.3
35°	17172.7	17396.3	17380.1	15621.8	13149.2	11593.7	11402.4	12326.5	14022.5	16327.0	17702.7
37.5°	18253.5	18343.4	18228.2	15949.1	13607.7	12116.8	12010.8	13038.6	14589.4	16781.0	18963.3
40°	19350.4	19530.2	18937.9	16345.4	14165.4	13100.8	13089.2	14091.7	15262.3	17313.3	20184.6
42.5°	20290.6	20442.7	19601.6	16691.1	14840.6	14301.4	14389.0	15504.3	16144.9	17930.9	21166.3
45°	20998.1	21134.1	20214.6	17025.2	15730.1	15688.7	16204.9	17018.3	17258.0	18486.3	21742.4
47.5°	21599.6	21730.9	20640.9	17532.2	16829.4	17345.6	18244.3	18596.9	18209.7	18804.3	22387.7
50°	22106.5	22145.7	20933.6	18136.0	18193.6	19375.8	20246.9	20475.0	19149.9	19260.6	22947.7
52.5°	22634.3	22583.6	21438.3	18896.5	19668.4	21302.3	21936.0	22173.4	20051.0	19822.8	23763.4
55°	23816.4	23864.8	22569.7	19855.1	21159.4	23194.2	24028.4	23800.3	21048.8	20857.5	24800.4
57.5°	25245.2	25203.7	24162.1	21355.3	22678.0	24954.8	25577.0	25210.6	22380.8	22279.4	25851.3
60°	25800.6	25855.9	25494.1	22968.4	24175.9	26496.5	27132.5	26563.3	23977.8	23931.7	26644.0
62.5°	25242.9	25554.0	25798.3	24404.1	25452.6	27630.3	28261.7	27611.9	25643.9	25978.0	27199.4
65°	24132.1	24199.0	25030.9	25620.8	26067.9	27817.0	28146.5	27800.8	27035.8	27842.3	27174.0
67.5°	22689.6	22747.2	23722.0	26019.5	25275.2	25696.9	25927.3	25825.9	26604.8	28480.6	25922.7
70°	21316.1	21270.0	22300.1	25003.2	22002.8	21362.2	21553.5	21235.5	22956.9	26920.5	23468.5
72.5°	18643.0	18808.9	19915.0	22178.0	17421.6	16380.0	16797.1	15974.4	17656.7	23056.0	19048.5
75°	14603.3	14642.4	16488.3	18613.0	13142.3	11499.2	12063.8	11720.4	13524.8	19232.9	13153.8
77.5°	10111.9	10024.3	12008.5	14216.1	9372.2	8418.1	8427.4	8263.7	9443.6	14160.8	8936.6
80°	6422.5	6288.8	7517.1	8782.2	6440.9	6890.3	6664.5	6657.5	6148.3	8736.2	5403.9
82.5°	3470.5	3618.0	4749.5	5505.3	4620.4	5325.6	4880.8	4737.9	4219.4	5468.4	3456.7
85°	1580.8	1719.1	2532.6	3744.7	3509.7	3548.8	2371.3	2797.6	3491.2	4440.7	1845.9
87.5°	154.4	198.2	523.1	1767.5	1198.3	944.8	352.6	679.8	878.0	1578.5	147.5
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	11227.3	11227.3	11227.3	11227.3	11227.3	11227.3	11227.3	11227.3	11227.3	11227.3	11227.3
2.5°	11932.4	11812.6	11404.7	11068.3	10711.1	10439.1	10084.3	9846.9	9683.3	9436.7	9406.7
5°	11384.0	11091.3	10381.5	9657.9	9033.4	8563.3	8086.3	7648.5	7390.4	7309.7	7206.0
7.5°	10459.9	9966.7	9054.2	8224.6	7507.9	6807.3	6268.1	5885.6	5629.8	5480.0	5300.2
10°	9699.4	9127.9	8017.2	7000.9	6411.0	5975.4	5500.7	5090.5	4774.8	4505.2	4357.7
12.5°	9187.8	8542.6	7293.6	6468.6	6012.3	5549.1	4993.7	4532.8	4067.3	3760.9	3629.5
15°	9033.4	8351.3	7070.0	6203.6	5549.1	4943.0	4320.8	3719.4	3258.5	2968.1	2871.3
17.5°	9411.4	8586.4	7067.7	5851.0	5005.3	4281.7	3484.3	2919.7	2447.3	2230.7	2161.6
20°	10116.5	9038.0	7088.5	5503.0	4415.3	3396.8	2534.9	2071.7	1845.9	1753.7	1719.1
22.5°	11100.5	9727.1	7150.7	5159.7	3770.1	2608.6	1898.9	1663.8	1583.2	1567.0	1560.1
25°	12312.7	10579.7	7360.4	4850.9	3226.2	1991.0	1587.8	1481.8	1435.7	1419.5	1417.2
27.5°	13428.0	11681.2	7613.9	4585.8	2700.8	1716.8	1435.7	1345.8	1299.7	1297.4	1302.0
30°	14435.0	12603.0	7825.9	4288.6	2302.1	1525.5	1336.6	1246.7	1202.9	1200.6	1214.4
32.5°	15306.1	13361.2	7982.6	3995.9	2080.9	1408.0	1246.7	1149.9	1113.0	1106.1	1113.0
35°	16237.1	14117.0	7911.2	3767.8	1954.2	1311.2	1179.9	1085.4	1041.6	1020.9	1020.9
37.5°	17299.5	14895.9	7789.0	3578.8	1896.6	1230.6	1122.3	1030.1	986.3	965.6	963.3
40°	18458.6	15674.8	7620.8	3410.6	1838.9	1182.2	1083.1	986.3	933.3	912.6	908.0
42.5°	19481.8	16340.8	7482.5	3300.0	1744.5	1191.4	1048.5	954.0	887.2	859.6	857.3
45°	20371.3	17011.4	7457.2	3235.4	1666.1	1177.6	1039.3	928.7	850.3	820.4	815.8
47.5°	21067.2	17709.7	7602.4	3198.6	1580.8	1103.8	1099.2	912.6	818.1	785.8	781.2
50°	21915.3	18700.6	7934.2	3122.5	1502.5	1034.7	1161.4	910.3	792.7	751.2	739.7
52.5°	23044.5	19991.1	8383.6	2986.6	1389.6	970.2	1108.4	910.3	762.8	721.3	707.5
55°	24752.0	21636.4	8823.7	2795.3	1230.6	884.9	1000.1	882.6	719.0	682.1	672.9
57.5°	25883.5	22839.4	9104.9	2530.3	1032.4	822.7	861.9	838.8	675.2	636.0	636.0
60°	25941.1	23162.0	8971.2	2196.1	908.0	765.1	748.9	845.7	636.0	594.5	589.9
62.5°	25277.5	22371.6	8275.3	1896.6	841.1	702.9	677.5	742.0	596.9	555.4	548.5
65°	24240.5	20355.2	7067.7	1753.7	804.3	647.5	610.7	608.4	555.4	516.2	507.0
67.5°	22334.7	17788.0	5807.2	1670.7	785.8	585.3	550.8	539.2	507.0	474.7	470.1
70°	19525.6	14898.2	4657.3	1636.2	776.6	520.8	493.2	479.3	451.7	426.3	424.0
72.5°	15190.9	12084.5	3843.8	1613.1	772.0	460.9	430.9	412.5	396.4	373.3	373.3
75°	10911.5	8890.5	2933.6	1454.1	714.4	396.4	364.1	352.6	329.5	311.1	315.7
77.5°	6878.8	5986.9	1931.1	1069.3	553.1	318.0	290.4	283.4	265.0	239.7	255.8
80°	4645.8	4210.2	1126.9	672.9	348.0	232.7	223.5	221.2	200.5	172.8	175.1
82.5°	3161.7	3101.8	585.3	382.5	200.5	136.0	131.4	136.0	112.9	92.2	92.2
85°	1235.2	1686.9	276.5	149.8	64.5	20.7	30.0	32.3	18.4	9.2	11.5
87.5°	23.0	172.8	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	11227.3	11227.3	11227.3	11227.3	11227.3	11227.3	11227.3	11227.3	11227.3	11227.3	11227.3
2.5°	9360.7	9339.9	9374.5	9227.0	9257.0	9312.3	9339.9	9356.0	9584.2	9531.2	9676.4
5°	7302.8	7282.0	7415.7	7434.1	7503.3	7489.4	7556.3	7572.4	7655.4	7685.3	7888.1
7.5°	5311.7	5401.6	5553.7	5632.1	5749.6	5786.5	5751.9	5837.2	5664.3	5788.8	5825.6
10°	4267.8	4159.5	4095.0	4274.7	4297.8	4468.3	4399.2	4343.9	4445.3	4449.9	4546.7
12.5°	3553.5	3320.7	3166.3	3217.0	3272.3	3346.1	3357.6	3468.2	3541.9	3611.1	3668.7
15°	2786.1	2705.4	2564.8	2495.7	2574.1	2604.0	2675.5	2767.6	2846.0	2866.7	2945.1
17.5°	2138.5	2152.4	2129.3	2087.8	2136.2	2159.3	2163.9	2166.2	2186.9	2173.1	2288.3
20°	1721.4	1769.8	1827.4	1836.6	1852.8	1864.3	1843.6	1765.2	1767.5	1815.9	1852.8
22.5°	1557.8	1567.0	1631.5	1652.3	1703.0	1682.2	1622.3	1585.5	1580.8	1592.4	1610.8
25°	1428.8	1442.6	1488.7	1520.9	1560.1	1523.2	1479.5	1444.9	1440.3	1451.8	1470.2
27.5°	1313.5	1334.3	1375.8	1408.0	1444.9	1410.3	1368.8	1338.9	1336.6	1334.3	1345.8
30°	1221.4	1244.4	1274.4	1311.2	1336.6	1306.6	1267.4	1251.3	1249.0	1244.4	1249.0
32.5°	1129.2	1166.0	1196.0	1214.4	1239.8	1216.7	1186.8	1177.6	1161.4	1147.6	1140.7
35°	1025.5	1064.7	1110.7	1133.8	1159.1	1136.1	1115.4	1076.2	1048.5	1046.2	1050.8
37.5°	965.6	981.7	1018.6	1057.7	1083.1	1071.6	1032.4	993.2	986.3	986.3	990.9
40°	912.6	919.5	935.6	986.3	1032.4	997.8	949.4	937.9	937.9	935.6	937.9
42.5°	859.6	866.5	866.5	905.6	979.4	924.1	887.2	887.2	887.2	889.5	896.4
45°	811.2	813.5	811.2	838.8	908.0	861.9	836.5	843.4	848.0	852.6	857.3
47.5°	769.7	772.0	769.7	792.7	827.3	808.9	795.0	804.3	813.5	820.4	825.0
50°	732.8	730.5	735.1	748.9	765.1	769.7	760.5	774.3	778.9	788.1	799.6
52.5°	700.6	698.2	702.9	709.8	732.8	732.8	732.8	744.3	753.6	762.8	778.9
55°	663.7	666.0	672.9	682.1	712.1	707.5	709.8	719.0	728.2	742.0	751.2
57.5°	629.1	633.7	642.9	656.8	686.7	684.4	686.7	691.3	702.9	709.8	719.0
60°	589.9	599.2	610.7	619.9	649.9	647.5	659.1	668.3	675.2	675.2	679.8
62.5°	550.8	564.6	576.1	583.0	615.3	617.6	633.7	640.6	645.2	640.6	647.5
65°	511.6	532.3	536.9	546.2	578.4	580.7	599.2	615.3	610.7	606.1	617.6
67.5°	472.4	497.8	495.5	507.0	539.2	543.8	560.0	587.6	578.4	573.8	583.0
70°	428.6	447.1	449.4	456.3	500.1	493.2	518.5	543.8	536.9	539.2	539.2
72.5°	380.2	396.4	396.4	410.2	456.3	444.8	465.5	493.2	493.2	490.8	490.8
75°	322.6	331.8	341.1	361.8	410.2	396.4	410.2	435.5	440.1	435.5	435.5
77.5°	260.4	274.2	278.8	306.5	341.1	338.8	352.6	364.1	373.3	368.7	368.7
80°	184.4	198.2	216.6	246.6	267.3	274.2	281.1	290.4	295.0	295.0	299.6
82.5°	103.7	124.4	140.6	170.5	179.7	214.3	212.0	218.9	212.0	186.7	207.4
85°	23.0	43.8	62.2	78.4	89.9	124.4	131.4	147.5	122.1	112.9	112.9
87.5°	0.0	0.0	0.0	0.0	0.0	18.4	36.9	50.7	43.8	36.9	36.9
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	11227.3	11227.3	11227.3	11227.3	11227.3	11227.3	11227.3	11227.3	11227.3	11227.3
2.5°	9798.5	9999.0	10241.0	10658.1	10950.7	11266.4	11584.4	11923.2	12013.1	12105.3
5°	7943.4	8337.5	8551.8	9111.8	9699.4	10446.0	11056.7	11725.0	12003.9	12068.4
7.5°	6016.9	6284.2	6846.5	7413.4	8141.6	8925.1	9860.7	10902.3	11227.3	11363.2
10°	4770.2	5134.3	5627.5	6235.8	6874.2	7717.6	8773.0	9989.8	10450.7	10526.7
12.5°	4060.4	4466.0	5003.0	5645.9	6249.7	6885.7	7950.3	9206.3	9699.4	9863.0
15°	3247.0	3737.8	4357.7	5035.2	5692.0	6387.9	7466.4	8883.6	9452.8	9644.1
17.5°	2551.0	2947.4	3618.0	4353.1	5132.0	6012.3	7365.0	9038.0	9738.6	9916.0
20°	1951.9	2235.3	2799.9	3576.5	4489.1	5641.3	7390.4	9621.1	10459.9	10701.8
22.5°	1686.9	1832.0	2175.4	2915.1	3936.0	5318.7	7494.1	10420.7	11432.4	11835.6
25°	1527.8	1603.9	1797.5	2281.4	3408.3	5005.3	7731.4	11496.9	12792.0	13059.3
27.5°	1391.9	1447.2	1567.0	1915.0	2928.9	4714.9	8007.9	12690.6	14061.7	14460.4
30°	1262.8	1336.6	1449.5	1700.7	2622.5	4449.9	8355.9	13658.4	15131.0	15502.0
32.5°	1163.7	1237.5	1341.2	1550.9	2362.1	4171.0	8563.3	14508.8	16004.4	16320.1
35°	1083.1	1145.3	1253.6	1431.1	2163.9	3959.0	8521.8	15184.0	16850.1	17172.7
37.5°	1025.5	1078.5	1186.8	1318.1	2014.1	3737.8	8501.1	16075.8	17880.2	18253.5
40°	972.5	1027.8	1126.9	1244.4	1864.3	3477.4	8512.6	16960.7	18977.1	19350.4
42.5°	931.0	993.2	1073.9	1223.7	1709.9	3267.7	8512.6	17730.4	19931.1	20290.6
45°	896.4	963.3	1041.6	1221.4	1587.8	3108.7	8455.0	18391.8	20691.6	20998.1
47.5°	866.5	940.2	1053.1	1179.9	1557.8	2993.5	8404.3	18921.8	21311.5	21599.6
50°	845.7	933.3	1120.0	1131.5	1567.0	2958.9	8648.6	19590.1	21857.7	22106.5
52.5°	829.6	935.6	1117.7	1060.0	1550.9	2982.0	9157.9	20634.0	22615.8	22634.3
55°	797.3	933.3	1060.0	979.4	1484.1	3021.1	9812.3	22150.3	23802.6	23816.4
57.5°	765.1	908.0	984.0	910.3	1348.1	3021.1	10600.4	23586.0	25233.7	25245.2
60°	732.8	944.8	864.2	850.3	1170.7	2965.8	11432.4	24217.4	25683.0	25800.6
62.5°	700.6	951.7	772.0	797.3	1041.6	2832.2	12052.2	23519.2	25074.7	25242.9
65°	663.7	767.4	712.1	742.0	974.8	2608.6	11856.4	22240.2	23931.7	24132.1
67.5°	619.9	649.9	647.5	684.4	951.7	2279.1	10824.0	20622.5	22701.1	22689.6
70°	566.9	583.0	589.9	629.1	908.0	2023.3	9019.6	18523.1	21058.0	21316.1
72.5°	511.6	525.4	532.3	566.9	864.2	1878.1	7000.9	15631.1	18239.7	18643.0
75°	451.7	460.9	470.1	500.1	818.1	1663.8	4986.8	11932.4	13969.5	14603.3
77.5°	389.5	389.5	401.0	430.9	689.0	1373.4	3346.1	8369.7	9464.4	10111.9
80°	315.7	318.0	313.4	345.7	507.0	940.2	1901.2	5590.6	6298.0	6422.5
82.5°	242.0	235.1	237.4	253.5	377.9	640.6	1014.0	3472.8	3539.6	3470.5
85°	152.1	152.1	147.5	165.9	242.0	334.1	553.1	2127.0	1661.5	1580.8
87.5°	62.2	50.7	57.6	66.8	115.2	136.0	216.6	437.8	168.2	154.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)