

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: P324184

Luminaire Tested: **GAN-SA0D-740-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324184
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-27)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0D-740-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 56935 lumens
Efficiency: N/A
Efficacy: 89.0 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

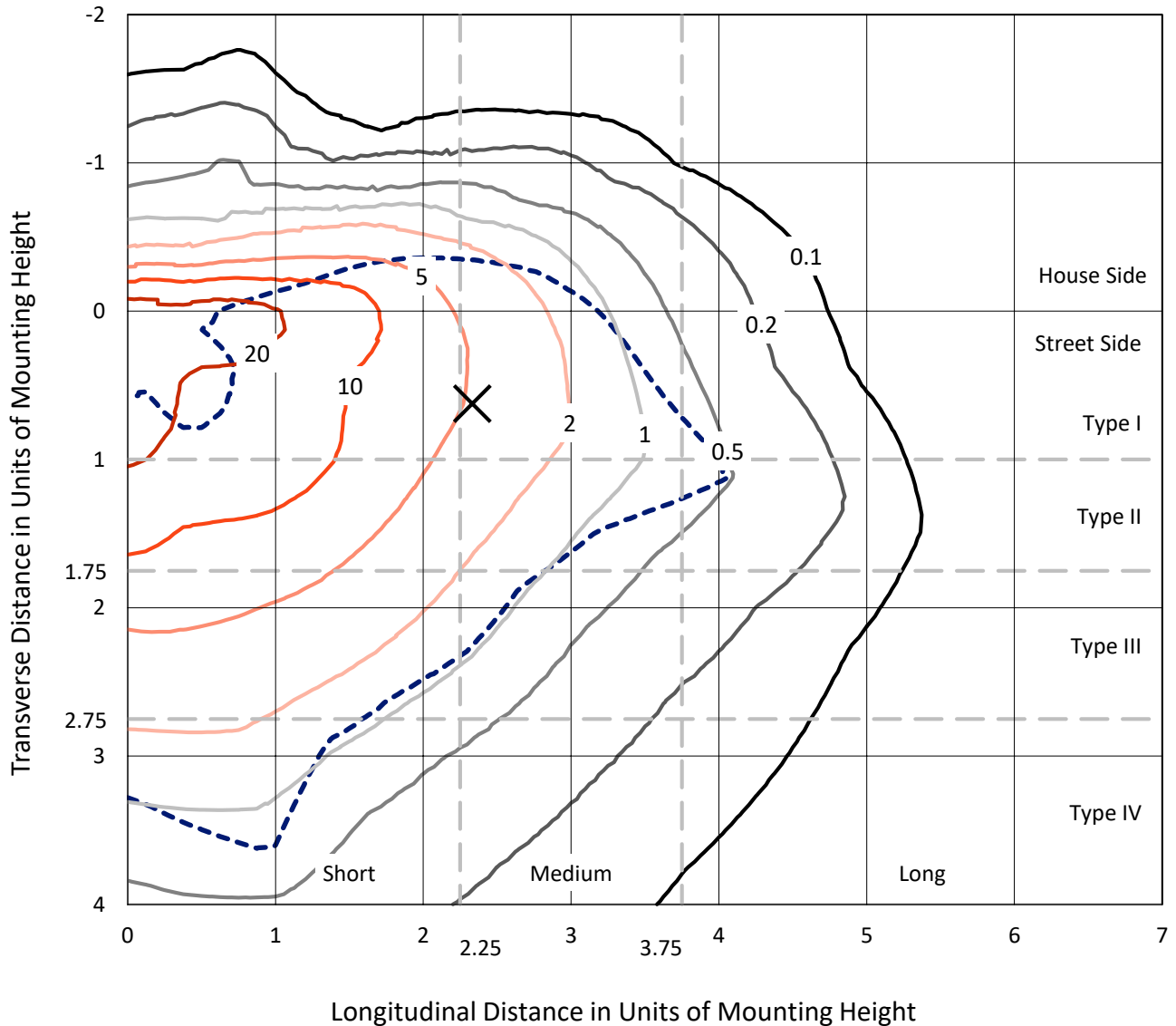
Input Watts (W): 640
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

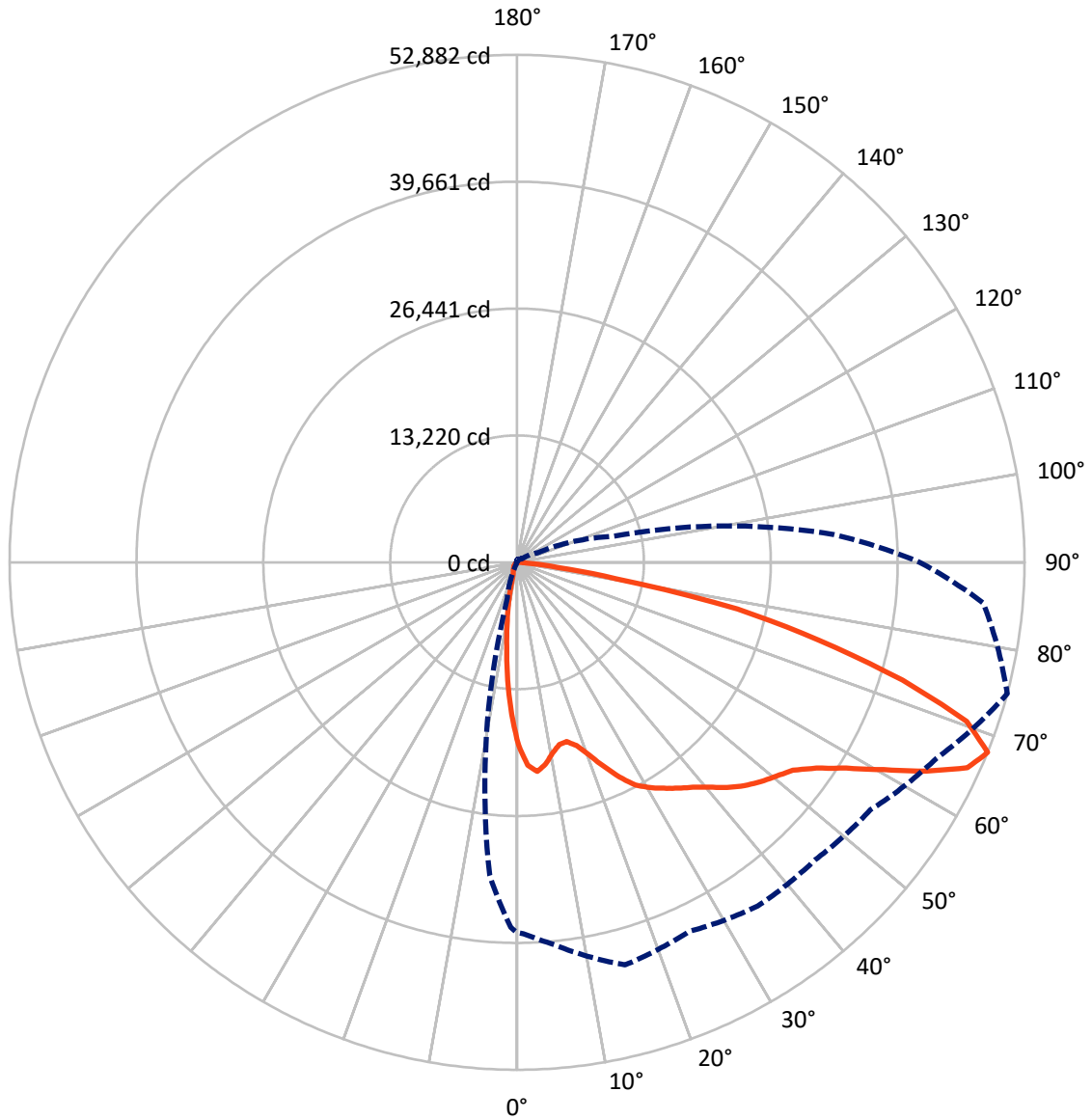
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 39.6 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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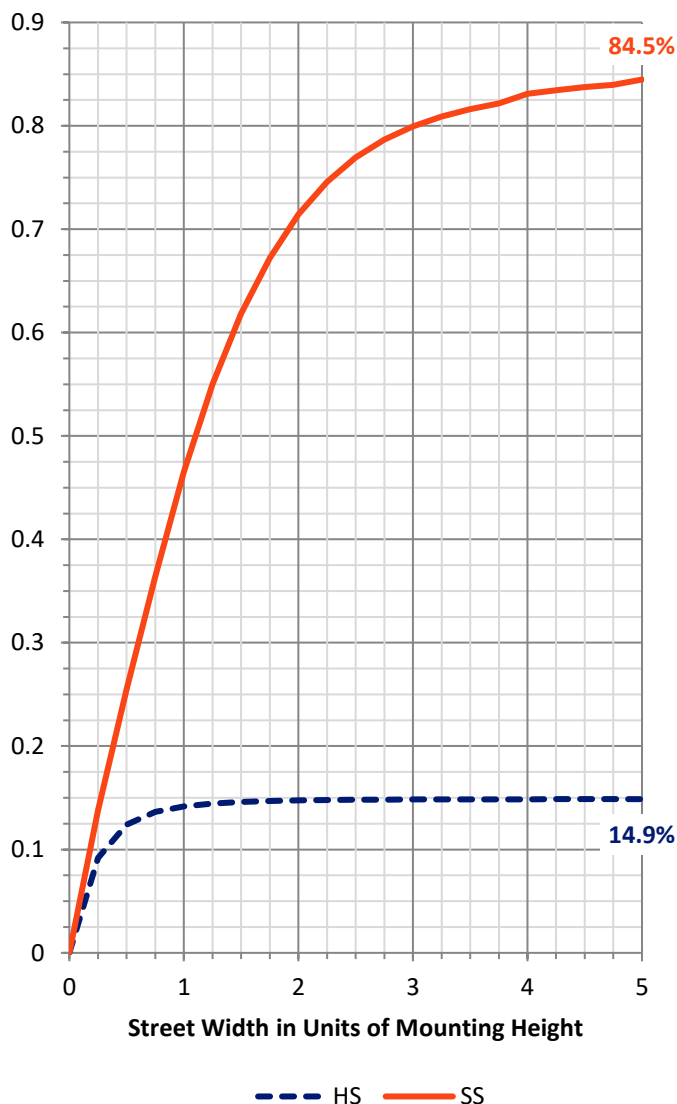
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8543.7	0.0	8543.7
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	48391.3	0.0	48391.3
	% Fixture	85.0	0.0	85.0
Total	Lumens	56935.0	0.0	56935.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1448.9	2.5
10°-20°	2852.9	5.0
20°-30°	4036.0	7.1
30°-40°	5934.0	10.4
40°-50°	8529.2	15.0
50°-60°	12006.8	21.1
60°-70°	14022.9	24.6
70°-80°	7154.0	12.6
80°-90°	950.4	1.7
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°	56935.0	100.0
0°-180°	56935.0	100.0

Coefficient of Utilization

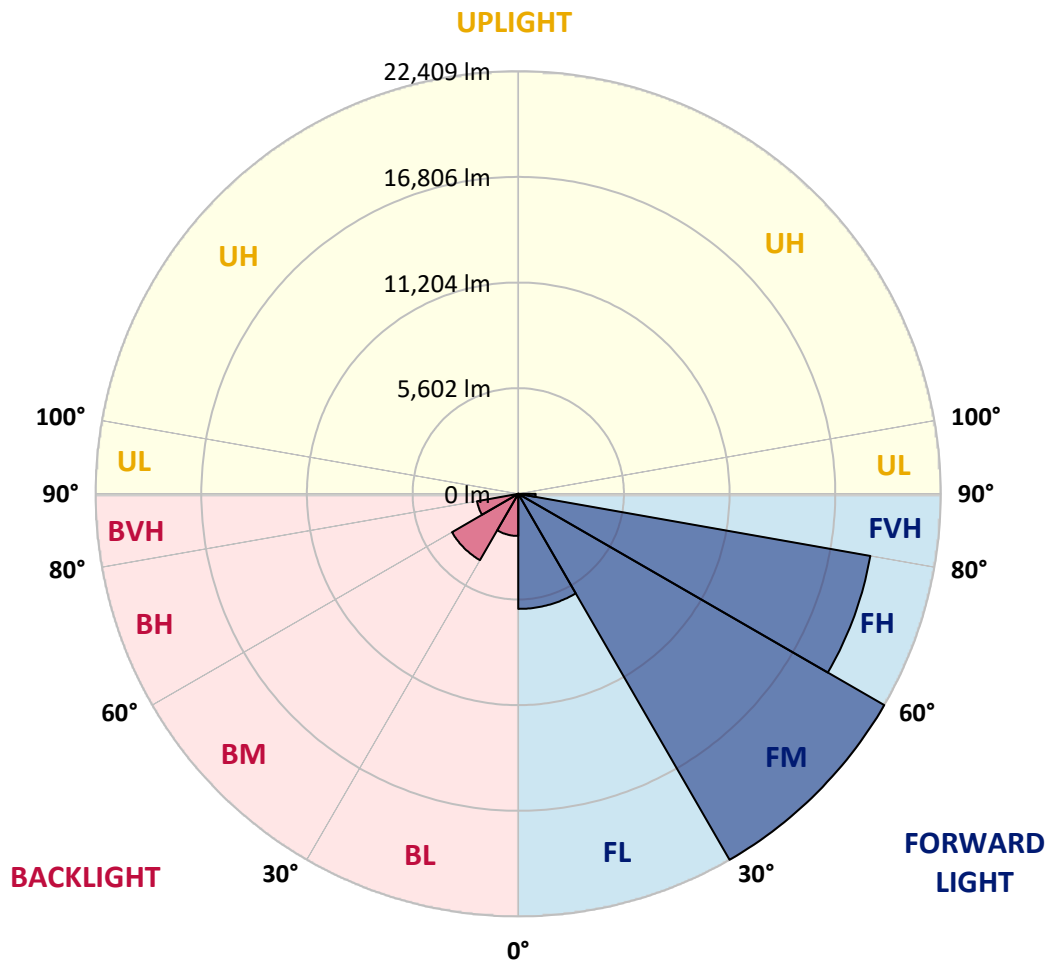


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6103.4	10.7			
FM (30°-60°)	22408.6	39.4			
FH (60°-80°)	18957.7	33.3			G5
FVH (80°-90°)	921.5	1.6			G5
BL (0°-30°)	2234.3	3.9	B3/2500		
BM (30°-60°)	4061.4	7.1	B3/5000		
BH (60°-80°)	2219.2	3.9	B3/2500		G3/2500
BVH (80°-90°)	28.8	0.1			G1/100
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°	19100.7	19100.7	19100.7	19100.7	19100.7	19100.7	19100.7	19100.7	19100.7	19100.7	19100.7
2.5°	20705.5	20737.8	20905.1	21293.4	21716.9	21749.3	22035.1	21741.2	21641.4	21166.7	20675.8
5°	20861.9	20986.0	21560.5	22701.3	23691.1	24009.4	24236.0	23658.8	23051.9	21892.2	20654.2
7.5°	19602.4	19810.1	20713.6	22855.1	24624.3	25406.5	25554.8	24651.3	23165.2	21255.7	19394.7
10°	17989.5	18226.9	19316.5	21948.8	24378.9	25719.4	25924.3	24740.3	22604.2	20225.4	18032.7
12.5°	16684.1	16961.9	18075.8	20929.3	23534.7	25018.1	25422.7	24440.9	22118.8	19494.5	17102.2
15°	16082.7	16400.9	17571.5	20271.3	22598.8	23766.7	24101.1	23677.7	21849.0	19378.5	16886.4
17.5°	16427.9	16773.1	17981.4	20327.9	21719.6	22218.5	22488.3	22660.9	21849.0	20077.1	17517.5
20°	17843.9	18216.1	19494.5	20902.4	20991.4	20805.3	21093.9	21700.7	22102.6	21404.0	19033.3
22.5°	19802.0	20238.9	21681.8	21886.8	20635.4	19931.4	19969.2	20921.2	22563.8	23087.0	21137.0
25°	22188.9	22722.9	24190.1	23354.0	20783.7	19410.9	19397.4	20279.3	23014.2	24772.7	23480.8
27.5°	24559.6	25147.6	26436.8	25144.9	21395.9	19316.5	19289.5	20085.2	23453.8	26272.3	26040.3
30°	26547.4	27119.1	28230.3	26442.2	22056.7	19537.6	19408.2	20292.8	23715.4	27245.9	27906.7
32.5°	28165.6	28624.1	29522.2	27334.9	22763.4	19966.5	19686.0	20848.4	24160.4	28068.5	29622.0
35°	29945.7	30428.5	30787.2	28184.5	23556.3	20584.1	20182.2	21730.4	24845.5	28904.6	31501.9
37.5°	31976.6	32456.7	32413.5	28961.2	24562.3	21606.3	21350.1	23127.5	25910.8	29732.6	33600.2
40°	33964.3	34455.2	34104.6	29810.8	25743.6	23292.0	23103.2	25225.8	27337.6	30792.6	36060.0
42.5°	35825.3	36356.6	35606.8	30614.6	27151.5	25417.3	25740.9	27928.3	29123.1	32097.9	38179.9
45°	37324.9	37867.0	36866.4	31396.7	28634.9	27995.7	28969.3	30922.0	31269.9	33201.1	39612.0
47.5°	38414.5	38927.0	37740.2	32178.9	30533.6	31148.6	32845.0	34061.4	33209.1	34158.5	40628.8
50°	39110.4	39509.5	37996.5	33157.9	33025.7	34827.4	36882.6	37475.9	35035.1	35021.6	41864.1
52.5°	39552.7	39733.4	38185.3	34180.1	35625.7	38832.6	40836.5	41022.6	36914.9	35971.0	43528.2
55°	41076.5	41222.2	39523.0	35418.1	37775.3	42341.5	44412.8	44240.2	39042.9	37829.2	45491.6
57.5°	43676.5	43830.2	42287.5	37198.1	39514.9	44509.9	47004.7	47314.9	41537.7	40440.0	47595.4
60°	44981.9	45267.8	44717.6	39452.9	41200.6	45896.2	48771.3	49761.1	44655.5	43881.5	49634.4
62.5°	43797.9	44213.2	45011.6	41953.1	42875.5	46659.5	49321.5	50637.7	47848.9	47892.0	50891.2
65°	41435.2	41767.0	43120.9	43323.2	43846.4	46565.1	47962.2	49413.2	49804.3	51576.3	50823.8
67.5°	38581.7	38705.8	39854.7	43431.1	42438.5	43727.8	43878.8	44952.2	48258.8	52881.6	48782.1
70°	34474.1	34541.5	35544.8	39819.7	36469.9	36753.1	36529.2	36747.7	41489.2	49701.8	43628.0
72.5°	27744.9	27914.8	29341.5	33068.9	26568.9	25751.7	27510.2	27413.1	31952.3	41990.8	32402.7
75°	20427.7	20721.7	22876.6	26636.4	18647.6	16867.5	18151.3	18493.9	22714.8	32480.9	20263.2
77.5°	14302.6	14521.1	16608.6	19580.8	13496.2	12061.3	11597.4	12004.7	14993.1	23497.0	10208.4
80°	8239.6	8320.5	9652.8	11306.2	9094.6	10405.3	9426.3	9706.8	8984.0	10453.9	4390.8
82.5°	5391.5	5404.9	5925.5	6729.2	5663.9	6580.9	4870.9	6227.6	5526.3	4199.4	1429.5
85°	2912.8	2929.0	3436.1	4776.5	3206.8	1812.4	1065.3	2187.3	3417.2	962.9	391.1
87.5°	321.0	294.0	1035.7	1736.9	890.0	164.5	56.6	245.4	547.5	62.0	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	19100.7	19100.7	19100.7	19100.7	19100.7	19100.7	19100.7	19100.7	19100.7	19100.7	19100.7
2.5°	20425.0	20201.1	19642.8	19052.2	18577.5	18132.5	17684.8	17137.2	16713.8	16627.5	16487.2
5°	19988.1	19278.7	18108.2	16932.3	15985.6	14790.8	14032.9	13442.2	12865.1	12830.0	12714.0
7.5°	18461.5	17528.3	15880.4	14254.1	12921.7	11783.5	10634.6	9865.9	9261.8	9048.7	8921.9
10°	16994.3	15945.1	13887.3	12031.7	10842.3	9836.2	9027.1	8223.4	7495.2	6993.5	6767.0
12.5°	15969.4	14809.7	12541.4	10942.1	10089.8	9135.0	8147.9	7144.6	6305.8	5701.6	5332.1
15°	15572.9	14335.0	12091.0	10510.5	9458.7	8250.4	6988.1	5841.9	4911.4	4363.9	4032.1
17.5°	16044.9	14604.7	12055.9	9984.6	8514.7	7012.4	5618.0	4264.1	3387.5	2972.2	2759.1
20°	17242.4	15462.4	12042.5	9340.0	7392.7	5545.2	3805.6	2805.0	2273.6	2041.7	1941.9
22.5°	18936.2	16557.4	12150.3	8703.5	6224.9	3962.0	2627.0	2060.6	1788.2	1664.1	1607.5
25°	21115.4	18094.7	12455.1	8126.3	5127.1	2956.0	2047.1	1726.1	1534.6	1437.5	1397.1
27.5°	23437.6	19864.0	12929.8	7624.6	4234.4	2357.2	1753.1	1478.0	1340.4	1273.0	1235.3
30°	25352.5	21913.8	13409.9	7066.3	3587.1	2055.2	1604.8	1348.5	1189.4	1146.3	1111.2
32.5°	27027.4	23464.6	13749.7	6562.0	3163.7	1825.9	1451.0	1205.6	1097.7	1014.1	976.3
35°	28761.7	24756.5	13738.9	6208.7	2872.4	1653.3	1321.6	1078.8	949.4	852.3	822.6
37.5°	30638.8	26215.6	13504.3	5906.6	2745.6	1515.8	1248.7	1011.4	881.9	784.9	747.1
40°	32836.9	27747.6	13264.2	5623.4	2710.6	1405.2	1197.5	957.5	819.9	725.5	687.8
42.5°	34978.4	29128.5	13053.9	5413.0	2559.5	1402.5	1151.7	917.0	771.4	679.7	636.5
45°	36691.1	30415.0	13013.4	5286.3	2400.4	1451.0	1127.4	890.0	733.6	641.9	601.4
47.5°	38115.1	31812.1	13272.3	5197.3	2249.4	1324.3	1186.7	871.2	698.5	609.5	563.7
50°	39808.9	33527.4	13881.9	5051.6	2090.2	1192.1	1359.3	876.6	668.9	577.2	528.6
52.5°	42171.5	35900.8	14777.3	4806.2	1871.8	1070.7	1337.8	881.9	636.5	542.1	493.6
55°	44820.1	38864.9	15740.2	4398.9	1567.0	911.6	1146.3	844.2	574.5	504.4	458.5
57.5°	47603.5	41553.9	16311.9	3913.5	1246.1	787.5	917.0	768.7	507.1	453.1	423.4
60°	48040.4	42576.1	16050.3	3317.4	989.8	685.1	679.7	782.2	453.1	399.2	377.6
62.5°	46953.5	41292.3	14785.4	2786.1	828.0	601.4	558.3	682.4	410.0	356.0	334.4
65°	44863.2	37821.1	12735.6	2511.0	768.7	515.1	463.9	480.1	358.7	310.2	291.3
67.5°	41955.8	33187.6	10456.6	2354.6	760.6	442.3	396.5	364.1	310.2	269.7	253.5
70°	36011.4	27647.8	8342.1	2268.2	739.0	372.2	334.4	296.7	258.9	229.3	215.8
72.5°	26504.2	19591.6	6489.2	2173.8	744.4	296.7	291.3	245.4	207.7	178.0	172.6
75°	15314.0	11192.9	4256.0	1761.2	709.3	229.3	242.7	172.6	145.6	124.1	124.1
77.5°	8161.4	6826.3	1620.9	733.6	258.9	145.6	137.6	102.5	91.7	75.5	72.8
80°	3557.4	3004.5	488.2	205.0	142.9	78.2	51.2	45.9	40.5	32.4	29.7
82.5°	1259.5	1086.9	159.1	99.8	62.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	285.9	205.0	0.0	24.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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°	19100.7	19100.7	19100.7	19100.7	19100.7	19100.7	19100.7	19100.7	19100.7	19100.7	19100.7
2.5°	16201.4	16142.0	15791.4	15804.9	15866.9	15955.9	15745.6	15842.6	16104.3	16355.1	16449.5
5°	12527.9	12541.4	12328.4	12460.5	12579.2	12660.1	12320.3	12325.7	12533.3	12816.5	12964.9
7.5°	8827.5	8806.0	8816.8	9132.3	9356.2	9194.3	9321.1	8881.5	8908.5	9110.7	8959.7
10°	6562.0	6265.3	6098.1	6335.4	6580.9	6491.9	6273.4	6130.5	6230.3	6454.1	6437.9
12.5°	5156.8	4730.7	4479.8	4309.9	4512.2	4345.0	4339.6	4215.5	4080.7	4105.0	4463.7
15°	3878.4	3568.2	3271.6	2999.2	2993.8	2937.1	2648.5	2324.9	2297.9	2314.1	2500.2
17.5°	2667.4	2562.2	2440.9	2206.2	2144.2	1906.8	1626.3	1496.9	1432.1	1461.8	1523.9
20°	1874.5	1834.0	1847.5	1720.7	1631.7	1405.2	1240.7	1189.4	1178.6	1208.3	1238.0
22.5°	1553.5	1480.7	1472.6	1416.0	1327.0	1162.4	1073.4	1043.8	1030.3	1057.3	1078.8
25°	1359.3	1286.5	1256.8	1221.8	1127.4	1014.1	960.2	933.2	919.7	935.9	949.4
27.5°	1197.5	1130.1	1103.1	1078.8	987.1	906.2	863.1	838.8	828.0	833.4	846.9
30°	1076.1	1016.8	981.7	952.1	873.9	817.2	779.5	755.2	744.4	744.4	757.9
32.5°	949.4	917.0	884.6	846.9	774.1	736.3	698.5	671.6	660.8	663.5	674.3
35°	790.2	779.5	787.5	752.5	690.5	658.1	620.3	590.7	582.6	585.3	596.1
37.5°	701.2	652.7	682.4	663.5	628.4	585.3	536.7	509.7	496.3	504.4	509.7
40°	644.6	585.3	563.7	582.6	577.2	507.1	463.9	436.9	426.1	428.8	434.2
42.5°	596.1	525.9	477.4	474.7	507.1	442.3	396.5	372.2	358.7	358.7	364.1
45°	550.2	474.7	415.4	369.5	426.1	374.9	331.7	310.2	294.0	294.0	296.7
47.5°	515.1	431.5	361.4	302.1	321.0	307.5	272.4	250.8	234.6	234.6	237.3
50°	482.8	388.4	312.9	253.5	240.0	253.5	221.2	196.9	186.1	183.4	188.8
52.5°	447.7	345.2	267.0	215.8	188.8	191.5	172.6	156.4	142.9	142.9	148.3
55°	412.7	310.2	231.9	183.4	156.4	142.9	137.6	126.8	116.0	116.0	121.4
57.5°	377.6	272.4	196.9	151.0	124.1	113.3	113.3	105.2	97.1	97.1	102.5
60°	345.2	234.6	161.8	124.1	97.1	94.4	97.1	89.0	83.6	83.6	89.0
62.5°	307.5	199.6	132.2	102.5	78.2	75.5	83.6	78.2	72.8	72.8	78.2
65°	261.6	169.9	105.2	78.2	59.3	59.3	70.1	64.7	59.3	59.3	64.7
67.5°	221.2	142.9	80.9	56.6	43.2	45.9	59.3	53.9	51.2	51.2	56.6
70°	183.4	110.6	56.6	35.1	24.3	35.1	45.9	45.9	45.9	45.9	51.2
72.5°	137.6	75.5	32.4	13.5	10.8	24.3	37.8	43.2	40.5	40.5	48.5
75°	89.0	43.2	10.8	0.0	0.0	13.5	29.7	35.1	35.1	32.4	40.5
77.5°	51.2	13.5	0.0	0.0	0.0	0.0	18.9	16.2	13.5	10.8	18.9
80°	13.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	19100.7	19100.7	19100.7	19100.7	19100.7	19100.7	19100.7	19100.7	19100.7	19100.7
2.5°	16829.8	17148.0	17595.7	18070.4	18801.3	19381.2	19950.3	20438.5	20627.3	20705.5
5°	13320.9	13787.5	14442.9	15284.4	16603.2	17789.9	18992.8	20203.8	20729.8	20861.9
7.5°	9558.5	10154.5	10987.9	12042.5	13587.9	15125.2	16805.5	18582.9	19397.4	19602.4
10°	7074.4	7802.7	8757.4	9868.6	11343.9	12924.4	14755.7	16786.6	17717.1	17989.5
12.5°	5019.3	6003.7	7282.1	8633.4	9911.8	11322.3	13175.2	15413.8	16390.2	16684.1
15°	2947.9	3900.0	5413.0	7222.8	8859.9	10289.4	12171.9	14709.9	15786.0	16082.7
17.5°	1691.1	2165.8	3309.3	5326.7	7549.1	9528.8	11856.4	14885.2	16152.8	16427.9
20°	1291.9	1442.9	1906.8	3430.7	6017.2	8781.7	11856.4	15877.7	17439.3	17843.9
22.5°	1130.1	1240.7	1429.5	2047.1	4428.6	7980.7	11993.9	17312.6	19354.2	19802.0
25°	1003.3	1103.1	1264.9	1540.0	3020.7	7028.6	12320.3	19073.7	21609.0	22188.9
27.5°	898.1	992.5	1138.2	1348.5	2066.0	5879.6	12759.9	21139.7	24095.7	24559.6
30°	803.7	892.7	1024.9	1173.2	1594.0	4576.9	13134.8	23087.0	26048.4	26547.4
32.5°	714.7	795.6	914.3	1024.9	1305.4	3384.8	13175.2	24629.7	27669.3	28165.6
35°	631.1	703.9	811.8	898.1	1081.5	2672.8	12546.8	25967.5	29290.3	29945.7
37.5°	550.2	620.3	714.7	779.5	952.1	2179.2	11586.7	27459.0	31369.7	31976.6
40°	474.7	536.7	633.8	677.0	900.8	1674.9	10542.9	29023.3	33408.7	33964.3
42.5°	404.6	463.9	558.3	641.9	790.2	1251.4	9415.5	30490.5	35242.7	35825.3
45°	337.1	399.2	493.6	679.7	655.4	935.9	8209.9	31464.1	36691.1	37324.9
47.5°	272.4	342.5	472.0	647.3	523.2	687.8	7255.1	32386.5	37788.8	38414.5
50°	218.5	288.6	531.3	577.2	428.8	525.9	6856.0	33211.8	38508.9	39110.4
52.5°	178.0	242.7	501.7	442.3	358.7	434.2	7071.7	34549.6	39175.1	39552.7
55°	148.3	191.5	302.1	307.5	304.8	369.5	7338.8	36469.9	40898.5	41076.5
57.5°	129.5	153.7	210.4	237.3	256.2	329.0	7344.1	39226.3	43565.9	43676.5
60°	110.6	134.9	175.3	191.5	221.2	294.0	7077.1	40189.2	44615.1	44981.9
62.5°	97.1	118.7	145.6	159.1	186.1	264.3	6451.4	38794.8	43174.9	43797.9
65°	86.3	107.9	121.4	134.9	164.5	237.3	5421.1	36006.0	40785.2	41435.2
67.5°	75.5	94.4	107.9	121.4	148.3	210.4	3991.7	32766.8	38042.3	38581.7
70°	67.4	83.6	97.1	107.9	129.5	178.0	2422.0	27804.2	34250.2	34474.1
72.5°	64.7	75.5	89.0	97.1	113.3	156.4	1227.2	20433.1	27380.8	27744.9
75°	56.6	67.4	80.9	86.3	99.8	134.9	499.0	13420.7	19842.4	20427.7
77.5°	45.9	62.0	72.8	78.2	86.3	110.6	253.5	8576.7	13925.0	14302.6
80°	16.2	45.9	62.0	64.7	72.8	80.9	167.2	4695.6	8077.8	8239.6
82.5°	0.0	29.7	48.5	45.9	51.2	62.0	107.9	2233.2	5332.1	5391.5
85°	0.0	13.5	37.8	29.7	21.6	43.2	37.8	488.2	2796.9	2912.8
87.5°	0.0	0.0	2.7	13.5	10.8	16.2	5.4	2.7	253.5	321.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)