

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: P324452

Luminaire Tested: **GAN-SA8C-730-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P324452
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-28)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA8C-730-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38269 lumens
Efficiency: N/A
Efficacy: 86.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

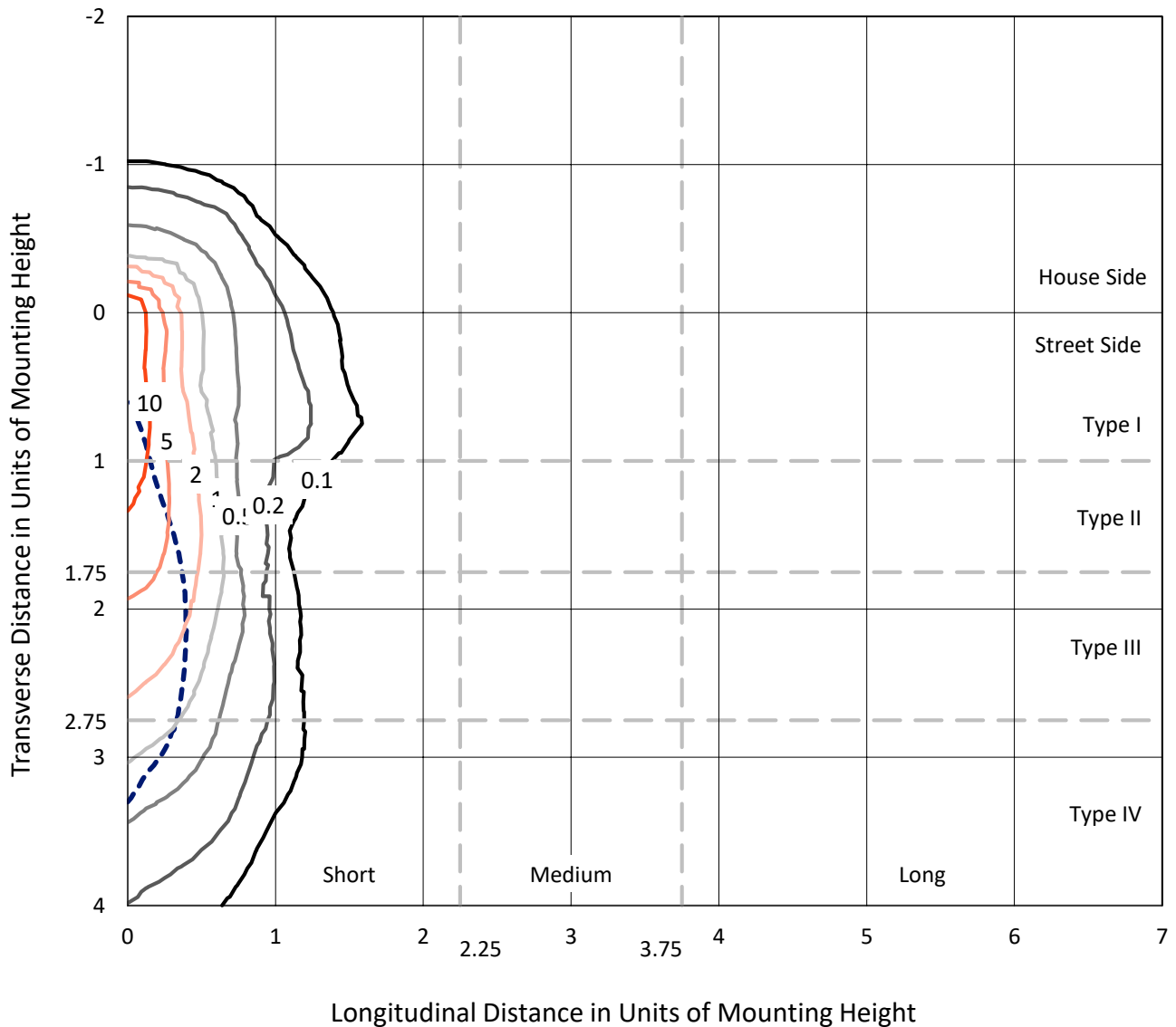
Input Watts (W): 445
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

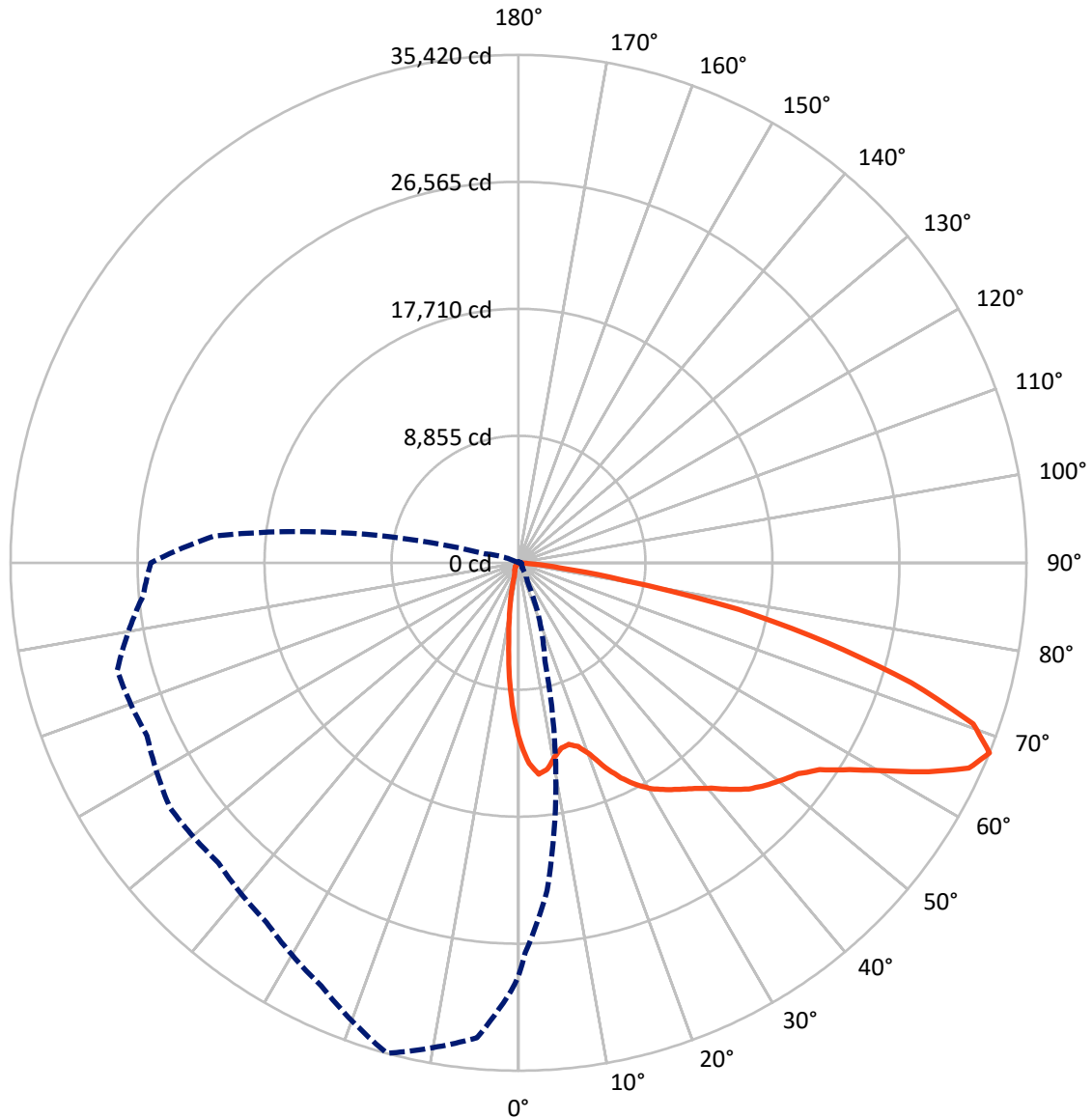
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 19.9 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 345-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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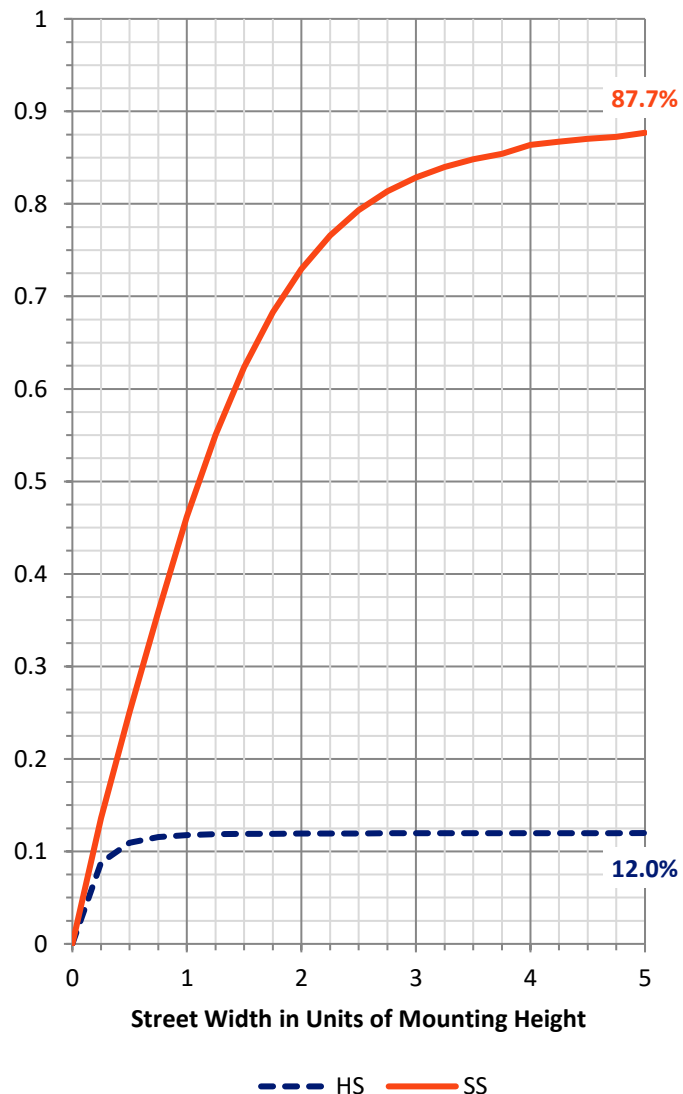
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4631.8	0.0	4631.8
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	33637.2	0.0	33637.2
	% Fixture	87.9	0.0	87.9
Total	Lumens	38269.0	0.0	38269.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	956.8	2.5
10°-20°	1904.4	5.0
20°-30°	2704.3	7.1
30°-40°	3994.4	10.4
40°-50°	5760.7	15.1
50°-60°	8086.9	21.1
60°-70°	9426.9	24.6
70°-80°	4819.2	12.6
80°-90°	615.5	1.6
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°	38269.0	100.0
0°-180°	38269.0	100.0

Coefficient of Utilization

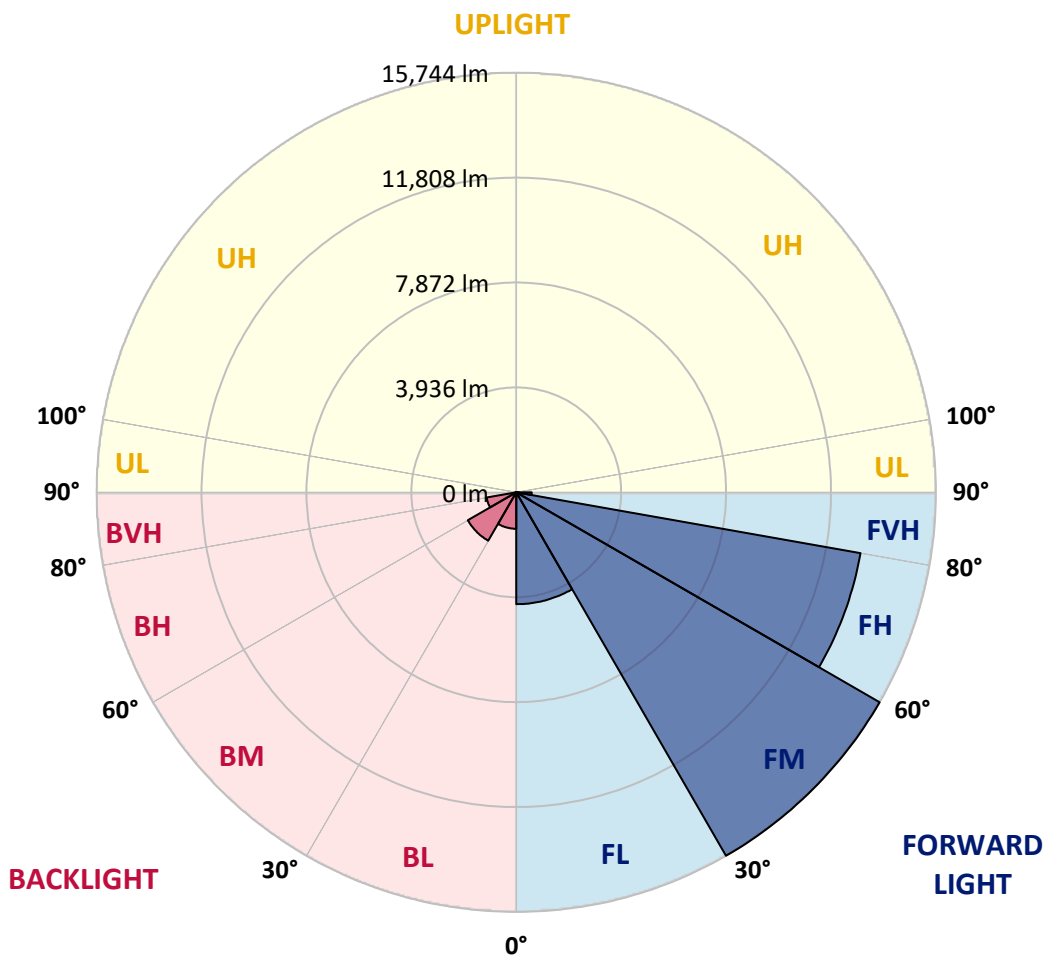


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4197.4	11.0			
FM (30°-60°)	15744.5	41.1			
FH (60°-80°)	13117.3	34.3			G5
FVH (80°-90°)	578.1	1.5			G4/750
BL (0°-30°)	1368.1	3.6	B3/2500		
BM (30°-60°)	2097.4	5.5	B2/2500		
BH (60°-80°)	1128.9	2.9	B3/2500		G3/2500
BVH (80°-90°)	37.4	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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12466.1	12466.1	12466.1	12466.1	12466.1	12466.1	12466.1	12466.1	12466.1	12466.1	12466.1
2.5°	13649.9	13544.8	13428.7	13049.8	12698.1	12295.6	11967.5	11739.1	11452.6	11080.9	10986.7
5°	13552.0	13439.6	13075.2	12232.2	11494.3	10776.4	10083.8	9677.7	9173.7	8662.4	8535.5
7.5°	12567.6	12449.7	11924.0	10769.1	9775.6	8738.6	7839.3	7282.7	6713.5	6245.7	5997.3
10°	11543.2	11414.5	10823.5	9422.1	8198.3	7261.0	6601.1	6069.9	5531.4	5031.0	4632.2
12.5°	10838.0	10669.4	10027.6	8439.4	7373.4	6737.0	6120.6	5484.3	4755.4	4218.8	3780.1
15°	10542.5	10350.3	9672.3	8060.5	7081.5	6334.6	5531.4	4750.0	3896.1	3281.5	2879.0
17.5°	10770.9	10520.7	9793.7	8035.1	6715.3	5698.2	4682.9	3765.6	2839.1	2217.3	1930.8
20°	11546.9	11218.7	10295.9	8027.9	6271.1	4942.2	3655.0	2617.9	1871.0	1504.8	1354.3
22.5°	12768.8	12335.5	11017.5	8085.9	5812.4	4148.1	2639.7	1778.5	1405.1	1214.7	1125.9
25°	14244.6	13742.4	12056.3	8290.8	5409.9	3375.8	1918.1	1405.1	1185.7	1046.1	971.8
27.5°	15647.8	15239.9	13368.9	8586.3	5098.1	2752.1	1557.4	1191.1	1013.5	921.0	861.2
30°	17049.3	16536.2	14716.0	8938.0	4722.8	2329.7	1368.8	1086.0	908.3	810.4	772.3
32.5°	18068.2	17642.1	15771.1	9191.8	4322.1	2054.1	1223.8	993.5	848.5	748.8	692.6
35°	19266.5	18784.3	16675.8	9248.0	4064.7	1880.1	1100.5	893.8	736.1	647.2	587.4
37.5°	20561.0	19960.9	17720.1	9124.7	3863.5	1794.9	1008.0	848.5	687.1	596.5	533.0
40°	21993.3	21315.2	18722.7	8947.1	3665.8	1765.8	937.3	814.0	649.0	556.6	491.3
42.5°	23501.7	22702.1	19591.1	8760.3	3540.8	1666.1	930.1	779.6	620.0	520.3	455.1
45°	24768.9	23958.5	20483.1	8698.7	3451.9	1557.4	960.9	756.0	600.1	491.3	427.9
47.5°	25778.8	25011.9	21396.8	8836.5	3401.2	1457.6	875.7	786.8	589.2	465.9	404.3
50°	26984.4	26116.0	22684.0	9248.0	3326.8	1357.9	792.3	901.1	589.2	449.6	384.4
52.5°	28496.4	27637.1	24119.9	9886.2	3178.2	1220.1	712.5	902.9	594.7	427.9	359.0
55°	30398.2	29774.6	26170.4	10586.0	2940.7	1017.1	616.4	776.0	572.9	388.0	335.4
57.5°	32222.1	31712.7	28039.6	11064.6	2623.4	794.1	536.6	625.5	524.0	340.8	299.1
59°	32720.7	32164.1	28724.9	11086.4	2385.9	692.6	496.8	516.7	513.1	319.1	277.4
60°	32720.7	32129.6	28922.5	10970.3	2213.6	636.4	471.4	460.5	534.8	304.6	264.7
62.5°	32127.8	31297.5	28280.7	10185.3	1805.7	542.1	411.5	380.7	480.4	273.8	233.9
65°	30895.0	29685.7	26094.2	8765.8	1609.9	496.8	355.3	311.8	333.6	241.1	204.9
67.5°	28839.1	27200.2	22941.5	7081.5	1532.0	484.1	306.4	264.7	252.0	206.7	179.5
70°	25218.6	23400.1	19114.3	5567.7	1464.9	478.6	257.4	223.0	203.1	174.0	152.3
72.5°	18354.6	16458.2	13570.2	4353.0	1425.0	489.5	206.7	186.7	166.8	136.0	117.8
75°	10499.0	9257.1	7627.2	2875.4	1214.7	467.7	159.5	155.9	119.7	97.9	81.6
77.5°	5424.4	5259.5	4570.5	1104.1	582.0	204.9	105.2	90.6	70.7	59.8	49.0
80°	2340.6	2315.2	2003.3	319.1	154.1	114.2	59.8	38.1	32.6	25.4	19.9
82.5°	808.6	808.6	712.5	107.0	68.9	56.2	7.3	0.0	0.0	0.0	0.0
85°	163.2	183.1	128.7	0.0	23.6	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12466.1	12466.1	12466.1	12466.1	12466.1	12466.1	12466.1	12466.1	12466.1	12466.1	12466.1
2.5°	10872.4	10653.1	10638.6	10500.8	10328.6	10250.6	10205.3	10285.0	10382.9	10393.8	10540.7
5°	8439.4	8209.2	8305.3	8060.5	8109.5	8060.5	7980.7	7995.2	8038.8	7902.8	8071.4
7.5°	5926.6	5752.6	5863.2	5797.9	5884.9	5919.4	5870.4	5797.9	5584.0	5558.6	5705.5
10°	4467.2	4269.6	4151.7	4028.4	4055.6	4111.8	4093.7	4041.1	3905.2	3912.4	4053.8
12.5°	3589.7	3368.5	3134.6	2831.9	2757.5	2799.2	2757.5	2726.7	2596.2	2607.1	2732.2
15°	2723.1	2541.8	2297.0	2054.1	1921.8	1934.5	1818.4	1736.8	1655.3	1557.4	1633.5
17.5°	1838.4	1727.8	1655.3	1582.7	1425.0	1388.7	1241.9	1084.2	1022.5	977.2	1009.8
20°	1301.7	1241.9	1212.9	1209.3	1118.6	1073.3	930.1	832.2	801.3	792.3	812.2
22.5°	1087.8	1044.3	1002.6	979.0	933.7	881.1	772.3	723.4	701.6	690.7	705.2
25°	946.4	913.7	870.2	830.3	812.2	756.0	678.1	641.8	627.3	616.4	623.7
27.5°	841.2	812.2	761.5	736.1	721.6	672.6	605.5	576.5	563.8	560.2	558.4
30°	757.8	730.6	683.5	654.5	629.1	585.6	545.7	516.7	504.0	500.4	496.8
32.5°	674.4	652.7	621.9	592.8	565.7	525.8	491.3	467.7	447.8	444.2	442.4
35°	569.3	547.5	531.2	529.4	504.0	465.9	440.6	409.7	393.4	388.0	389.8
37.5°	505.8	476.8	440.6	453.2	446.0	418.8	384.4	353.5	337.2	333.6	333.6
40°	465.9	435.1	393.4	371.7	393.4	388.0	333.6	302.8	286.5	284.6	281.0
42.5°	427.9	397.0	349.9	313.6	324.5	340.8	288.3	259.3	242.9	239.3	233.9
45°	400.7	368.0	315.5	273.8	252.0	286.5	246.6	210.3	201.2	194.0	190.4
47.5°	375.3	344.5	284.6	237.5	201.2	206.7	197.6	172.2	161.4	154.1	152.3
50°	353.5	320.9	257.4	203.1	166.8	152.3	159.5	136.0	126.9	119.7	116.0
52.5°	328.1	297.3	228.4	175.9	139.6	119.7	121.5	107.0	97.9	92.5	90.6
55°	308.2	277.4	204.9	154.1	123.3	97.9	87.0	83.4	78.0	74.3	72.5
57.5°	281.0	252.0	181.3	130.5	105.2	79.8	67.1	67.1	65.3	61.6	59.8
59°	264.7	239.3	166.8	117.8	96.1	68.9	59.8	61.6	59.8	56.2	54.4
60°	252.0	228.4	155.9	108.8	90.6	63.5	54.4	58.0	56.2	52.6	50.8
62.5°	223.0	206.7	134.2	90.6	79.8	50.8	45.3	49.0	49.0	47.1	45.3
65°	195.8	177.7	114.2	76.1	74.3	43.5	36.3	43.5	45.3	41.7	38.1
67.5°	170.4	152.3	99.7	61.6	68.9	34.4	27.2	36.3	49.0	38.1	34.4
70°	145.0	126.9	78.0	49.0	72.5	23.6	21.8	32.6	58.0	41.7	32.6
72.5°	112.4	97.9	54.4	36.3	78.0	16.3	16.3	27.2	65.3	45.3	30.8
75°	78.0	63.5	32.6	21.8	63.5	10.9	10.9	25.4	61.6	41.7	29.0
77.5°	45.3	34.4	10.9	1.8	32.6	0.0	1.8	18.1	43.5	25.4	12.7
80°	16.3	7.3	0.0	0.0	19.9	0.0	0.0	0.0	3.6	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	12466.1	12466.1	12466.1	12466.1	12466.1	12466.1	12466.1	12466.1	12466.1	12466.1	12466.1
2.5°	10578.7	10823.5	11042.9	11374.6	11768.1	12221.3	12611.1	13029.9	13423.3	13586.5	13698.9
5°	8105.8	8408.6	8762.1	9249.8	9898.9	10698.4	11447.2	12293.8	13203.9	13659.0	14086.9
7.5°	5730.8	6039.0	6477.8	6996.3	7781.3	8733.1	9712.1	10881.5	12114.3	12834.1	13543.0
10°	4120.9	4499.8	4909.6	5618.4	6416.1	7319.0	8327.0	9632.4	11006.6	11804.3	12658.2
12.5°	2804.7	3236.2	3856.2	4650.3	5587.6	6472.3	7348.0	8593.5	10189.0	10979.4	11895.0
15°	1682.4	1921.8	2578.1	3497.2	4646.7	5749.0	6708.0	7957.2	9657.7	10625.9	11577.7
17.5°	1037.0	1147.6	1504.8	2259.0	3466.4	4860.6	6175.0	7741.4	9733.9	10912.3	11931.2
20°	826.7	870.2	984.4	1334.4	2297.0	3881.6	5574.9	7697.9	10355.7	11806.1	12899.4
22.5°	717.9	759.6	835.8	969.9	1444.9	2906.2	5005.6	7737.8	11247.7	13145.9	14422.3
25°	632.7	669.0	741.5	852.1	1058.8	2046.9	4396.5	7915.5	12409.9	14808.4	16164.5
27.5°	565.7	596.5	663.6	765.1	908.3	1428.6	3705.7	8131.2	13787.7	16509.0	17847.0
30°	504.0	531.2	591.0	685.3	788.6	1098.7	2947.9	8278.1	15167.4	17847.0	19049.0
32.5°	451.4	471.4	525.8	605.5	685.3	875.7	2240.8	8254.5	16191.7	18960.2	19913.8
35°	397.0	417.0	464.1	533.0	596.5	723.4	1762.2	7813.9	17083.7	20115.0	20903.7
37.5°	337.2	362.6	407.9	469.6	513.1	636.4	1425.0	7282.7	17988.4	21434.9	22007.8
40°	286.5	311.8	351.7	418.8	446.0	603.7	1095.0	6635.5	19005.5	22910.6	23218.8
42.5°	237.5	261.1	302.8	360.8	420.6	520.3	810.4	5895.8	19982.7	24172.5	24323.0
45°	192.2	215.7	259.3	317.3	449.6	431.5	627.3	5103.5	20771.3	25222.2	25271.1
47.5°	152.3	174.0	219.4	299.1	418.8	344.5	447.8	4481.7	21433.1	26041.7	25912.9
50°	117.8	136.0	183.1	342.7	366.2	284.6	339.0	4275.0	22025.9	26549.3	26215.7
52.5°	92.5	108.8	150.5	320.9	284.6	235.7	284.6	4469.0	22838.1	26969.9	26386.1
55°	74.3	90.6	117.8	183.1	194.0	199.4	242.9	4650.3	24239.6	27956.2	27392.3
57.5°	61.6	78.0	96.1	128.7	146.9	168.6	215.7	4670.2	25891.2	29595.1	29062.1
59°	56.2	70.7	87.0	114.2	128.7	154.1	203.1	4561.5	26473.1	30191.6	29925.1
60°	52.6	67.1	81.6	105.2	119.7	145.0	195.8	4458.1	26498.5	30169.8	30293.1
62.5°	45.3	59.8	72.5	88.8	101.5	123.3	175.9	4075.6	25425.2	29181.7	30071.9
65°	39.9	52.6	65.3	76.1	87.0	110.6	159.5	3377.6	23592.3	27588.1	28558.1
67.5°	36.3	45.3	59.8	67.1	78.0	97.9	141.4	2407.6	21302.5	25639.2	26268.3
70°	32.6	43.5	54.4	61.6	70.7	85.2	121.5	1383.3	17988.4	22785.5	23233.3
72.5°	30.8	41.7	49.0	58.0	63.5	76.1	110.6	650.9	13171.3	18253.1	19422.5
75°	27.2	38.1	45.3	54.4	59.8	68.9	94.3	311.8	8760.3	13209.4	14538.3
77.5°	16.3	30.8	41.7	49.0	52.6	59.8	78.0	179.5	5591.2	9142.9	10769.1
80°	0.0	10.9	30.8	41.7	45.3	50.8	59.8	141.4	2991.4	5223.2	6269.3
82.5°	0.0	0.0	21.8	32.6	30.8	34.4	45.3	88.8	1348.9	3413.8	3847.1
85°	0.0	0.0	7.3	25.4	21.8	16.3	30.8	30.8	295.5	1727.8	2155.6
87.5°	0.0	0.0	0.0	1.8	10.9	7.3	12.7	3.6	1.8	128.7	522.1
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):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12466.1	12466.1	12466.1	12466.1	12466.1	12466.1	12466.1	12466.1	12466.1	12466.1
2.5°	14092.3	14226.5	14453.1	14560.0	14507.5	14284.5	14018.0	13746.0	13586.5	13649.9
5°	14958.9	15649.7	16048.5	16180.9	15959.7	15459.3	14804.8	13941.8	13635.4	13552.0
7.5°	14958.9	16258.8	17081.9	17226.9	16733.8	15753.0	14525.6	13178.6	12730.8	12567.6
10°	14433.1	16202.6	17350.2	17580.5	16891.5	15424.8	13780.5	12243.1	11711.9	11543.2
12.5°	13840.3	15745.7	16955.0	17272.3	16706.6	15098.5	13263.8	11610.3	10984.9	10838.0
15°	13475.9	15183.7	16184.5	16414.7	16175.4	14908.1	13140.5	11420.0	10683.9	10542.5
17.5°	13606.4	14748.6	15109.4	15243.5	15404.9	14841.1	13475.9	11837.0	10905.1	10770.9
20°	14097.7	14289.9	14103.2	14271.8	14706.9	14906.3	14275.4	12845.0	11726.4	11546.9
22.5°	14931.7	14052.4	13528.5	13595.5	14124.9	15122.1	15497.4	14284.5	12993.6	12768.8
25°	15903.5	14244.6	13209.4	13149.5	13693.4	15406.7	16614.2	15850.9	14493.0	14244.6
27.5°	17125.4	14676.1	13144.1	13084.3	13543.0	15673.2	17542.4	17399.2	16072.1	15647.8
30°	18068.2	15100.3	13338.1	13200.3	13693.4	15858.1	18287.5	18713.6	17330.3	17049.3
32.5°	18744.4	15600.7	13653.6	13454.1	14117.7	16177.2	18862.3	19917.4	18494.2	18068.2
35°	19259.3	16144.6	14163.0	13834.9	14701.5	16661.3	19400.7	21199.2	19732.5	19266.5
37.5°	19741.5	16907.9	14958.9	14567.3	15617.0	17440.9	19970.0	22653.2	21117.6	20561.0
40°	20414.2	17772.7	16186.3	15838.2	17156.2	18503.3	20680.7	24168.8	22693.1	21993.3
42.5°	21086.8	18700.9	17442.7	17537.0	19076.2	19794.1	21598.0	25771.5	24248.6	23501.7
45°	21701.4	19658.2	19232.1	19667.2	20858.3	21210.1	22510.0	26698.0	25490.5	24768.9
47.5°	22248.9	20854.7	21010.6	22169.1	22885.3	22491.8	23191.7	27497.5	26415.1	25778.8
50°	22885.3	22403.0	23354.8	24993.8	25218.6	23652.1	23811.7	28443.9	27495.7	26984.4
52.5°	23581.4	24034.7	25951.0	27396.0	27323.4	24912.2	24435.4	29504.4	28976.9	28496.4
55°	24371.9	25352.7	28237.2	29644.0	29582.4	26319.0	25468.8	30815.2	30833.4	30398.2
57.5°	25544.9	26487.6	29789.1	31462.5	31565.8	27943.5	27220.1	32283.7	32512.2	32222.1
59°	26386.1	27223.7	30403.7	32222.1	32642.7	29199.9	28500.1	33135.8	32985.4	32720.7
60°	27009.8	27691.5	30708.3	32619.2	33268.2	30052.0	29444.6	33636.2	33041.6	32720.7
62.5°	28552.6	28710.4	31257.6	33068.8	33988.0	31944.7	32102.5	34488.3	32651.8	32127.8
65°	29272.4	29354.0	31250.3	32263.8	33291.8	33418.7	34513.7	34513.7	31700.0	30895.0
67.5°	28971.4	28578.0	29700.3	29595.1	30621.2	32543.0	35420.2	33248.3	29879.7	28839.1
70°	26523.9	25010.1	24511.5	24556.8	25341.8	28306.1	33625.4	29524.4	26435.1	25218.6
72.5°	22069.4	18438.0	17207.0	18612.1	18816.9	21754.0	28656.0	22234.4	19495.0	18354.6
75°	17750.9	12997.3	10995.7	12478.7	12826.8	15919.8	22167.3	13847.5	11387.3	10499.0
77.5°	12752.5	9329.6	7890.1	7786.8	8236.4	10096.5	15729.4	6969.1	5812.4	5424.4
80°	7244.7	6140.6	6611.9	6238.5	6465.1	6312.8	7473.1	3056.7	2503.7	2340.6
82.5°	4372.9	3629.6	3930.5	3272.4	4140.8	3606.0	2879.0	979.0	850.3	808.6
85°	2844.6	1983.4	1033.4	692.6	1426.8	2304.3	643.6	266.5	204.9	163.2
87.5°	980.8	505.8	50.8	21.8	152.3	429.7	23.6	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

(END OF REPORT)