

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: P383338

Luminaire Tested: **GAN-SA6C-735-U-SLL-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383338
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-SA6C-735-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 1050mA 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: 29215.2 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

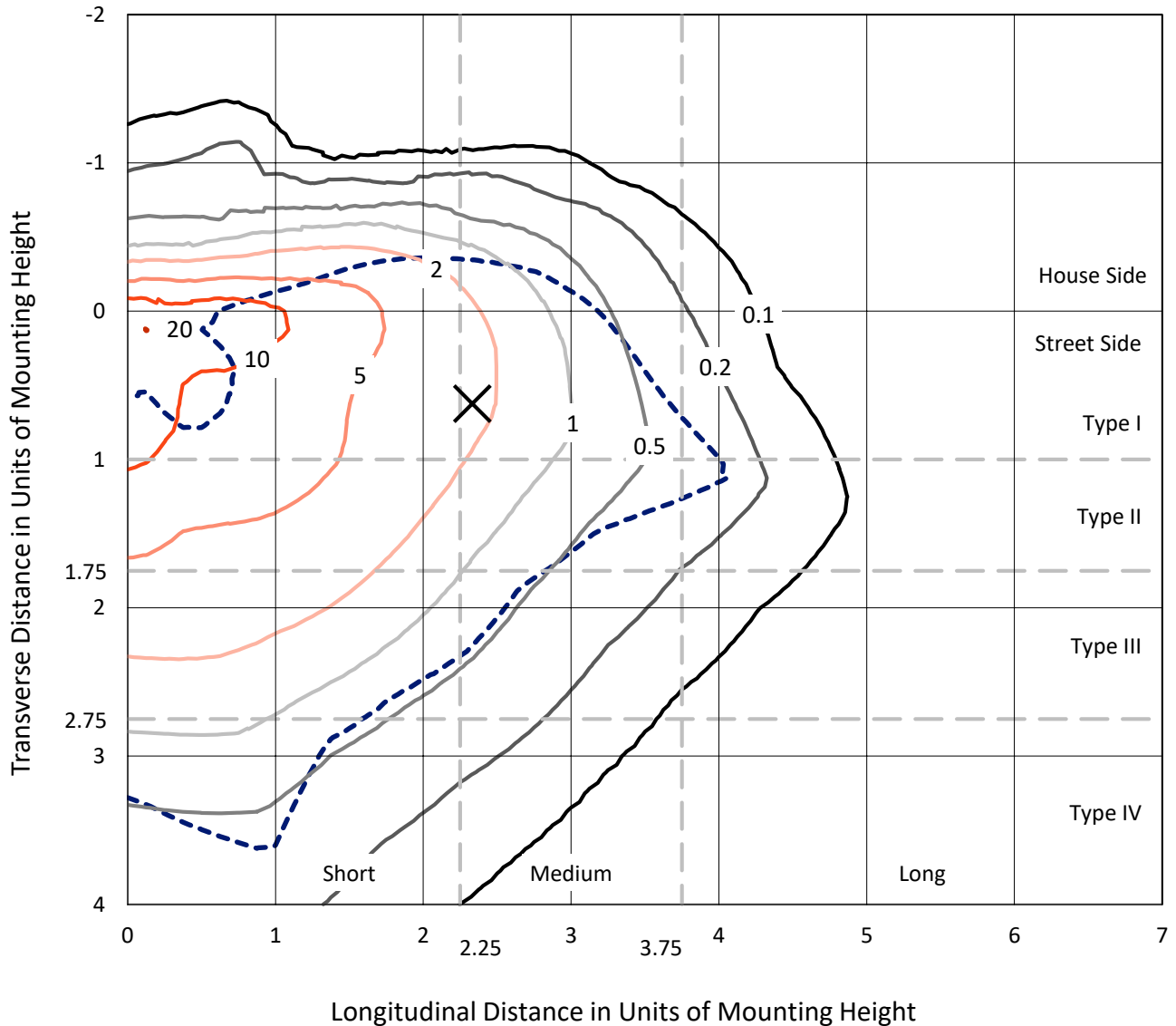
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

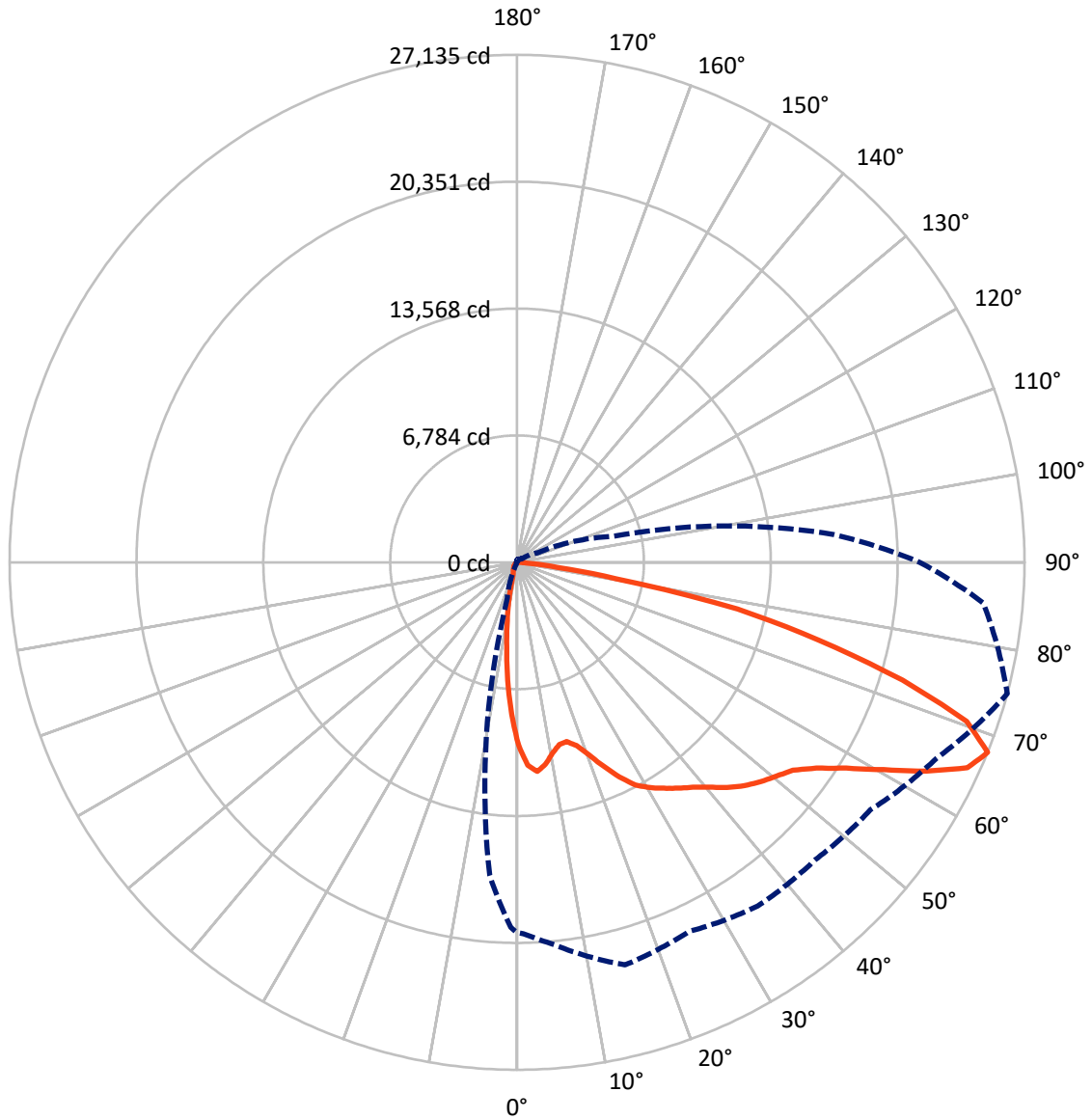
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.3 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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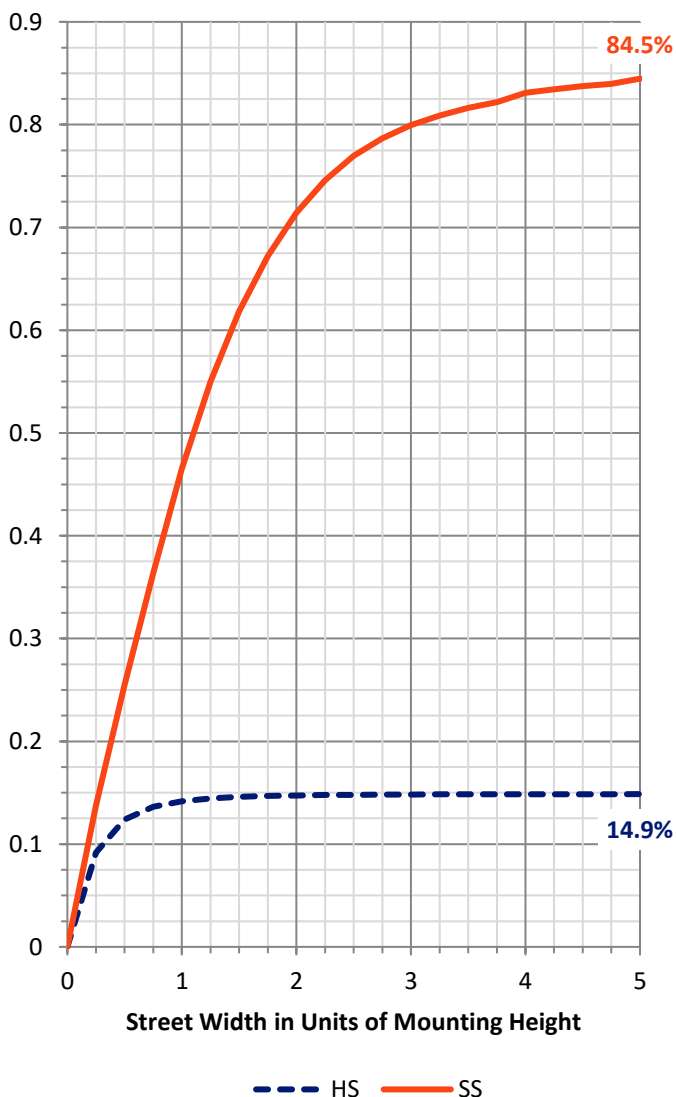
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4384.1	0.0	4384.1
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	24831.2	0.0	24831.2
	% Fixture	85.0	0.0	85.0
Total	Lumens	29215.2	0.0	29215.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	743.5	2.5
10°-20°	1463.9	5.0
20°-30°	2071.0	7.1
30°-40°	3044.9	10.4
40°-50°	4376.6	15.0
50°-60°	6161.1	21.1
60°-70°	7195.6	24.6
70°-80°	3671.0	12.6
80°-90°	487.7	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°	29215.2	100.0
0°-180°	29215.2	100.0

Coefficient of Utilization

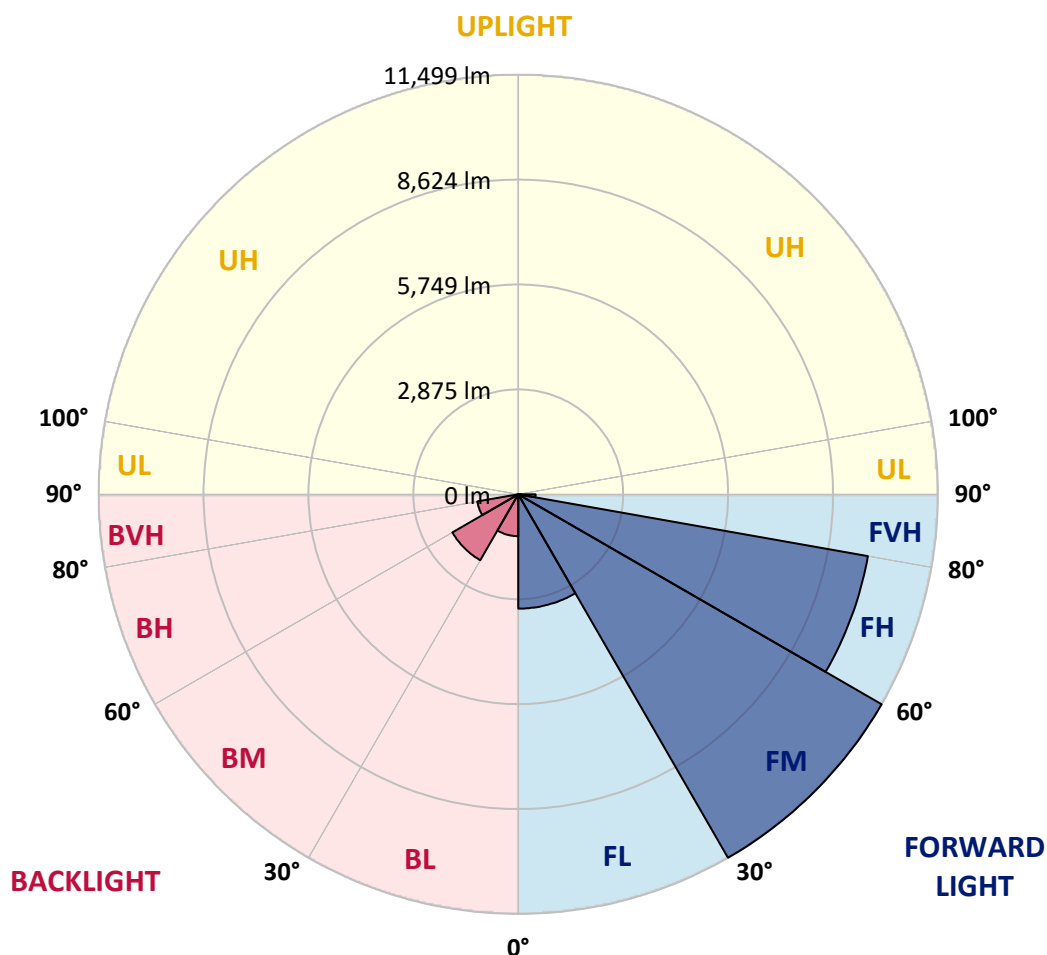


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3131.9	10.7			
FM (30°-60°)	11498.6	39.4			
FH (60°-80°)	9727.8	33.3			G4/12000
FVH (80°-90°)	472.9	1.6			G3/500
BL (0°-30°)	1146.5	3.9	B3/2500		
BM (30°-60°)	2084.0	7.1	B2/2500		
BH (60°-80°)	1138.7	3.9	B3/2500		G3/2500
BVH (80°-90°)	14.8	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-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	9801.2	9801.2	9801.2	9801.2	9801.2	9801.2	9801.2	9801.2	9801.2	9801.2	9801.2
2.5°	10624.7	10641.3	10727.1	10926.4	11143.6	11160.2	11306.9	11156.1	11104.9	10861.3	10609.4
5°	10704.9	10768.6	11063.3	11648.8	12156.7	12320.0	12436.3	12140.1	11828.7	11233.6	10598.4
7.5°	10058.6	10165.1	10628.8	11727.6	12635.5	13036.9	13113.0	12649.4	11886.8	10907.0	9952.1
10°	9231.0	9352.8	9911.9	11262.7	12509.6	13197.4	13302.6	12695.0	11599.0	10378.3	9253.2
12.5°	8561.2	8703.7	9275.3	10739.5	12076.4	12837.6	13045.2	12541.4	11349.9	10003.2	8775.6
15°	8252.6	8415.9	9016.4	10401.8	11596.2	12195.4	12367.0	12149.8	11211.5	9943.7	8665.0
17.5°	8429.7	8606.8	9226.9	10430.9	11145.0	11401.0	11539.5	11628.0	11211.5	10302.2	8988.8
20°	9156.3	9347.2	10003.2	10725.7	10771.4	10675.8	10823.9	11135.3	11341.5	10983.1	9766.6
22.5°	10161.0	10385.3	11125.7	11230.8	10588.7	10227.5	10246.8	10735.3	11578.2	11846.7	10846.1
25°	11385.8	11659.9	12412.7	11983.7	10664.8	9960.4	9953.4	10405.9	11809.3	12711.6	12048.7
27.5°	12602.3	12904.1	13565.6	12902.7	10978.9	9911.9	9898.1	10306.4	12034.9	13481.2	13362.1
30°	13622.3	13915.7	14485.9	13568.4	11318.0	10025.4	9959.0	10412.9	12169.2	13980.8	14319.8
32.5°	14452.7	14688.0	15148.8	14026.4	11680.6	10245.4	10101.5	10698.0	12397.5	14402.8	15200.1
35°	15366.1	15613.9	15797.9	14462.4	12087.5	10562.4	10356.2	11150.5	12749.1	14831.9	16164.7
37.5°	16408.2	16654.6	16632.4	14861.0	12603.7	11086.9	10955.5	11867.5	13295.7	15256.8	17241.4
40°	17428.2	17680.1	17500.1	15296.9	13209.9	11951.8	11855.0	12944.1	14027.8	15800.6	18503.5
42.5°	18383.2	18655.7	18271.0	15709.3	13932.3	13042.4	13208.5	14330.9	14944.0	16470.5	19591.3
45°	19152.6	19430.8	18917.3	16110.6	14693.5	14365.5	14865.1	15867.1	16045.6	17036.5	20326.2
47.5°	19711.7	19974.7	19365.8	16512.1	15667.8	15983.3	16853.8	17478.0	17040.7	17527.8	20847.9
50°	20068.8	20273.6	19497.2	17014.4	16946.6	17871.1	18925.6	19230.1	17977.7	17970.7	21481.8
52.5°	20295.7	20388.5	19594.1	17538.9	18280.7	19926.3	20954.5	21050.0	18942.3	18457.9	22335.7
55°	21077.7	21152.5	20280.5	18174.1	19383.7	21726.8	22789.7	22701.1	20034.2	19411.4	23343.3
57.5°	22411.8	22490.7	21699.1	19087.6	20276.3	22839.5	24119.6	24278.8	21314.4	20751.1	24422.8
60°	23081.7	23228.3	22946.1	20244.6	21141.4	23550.8	25026.1	25534.1	22914.2	22517.0	25469.0
62.5°	22474.1	22687.3	23096.9	21527.5	22000.8	23942.5	25308.5	25983.8	24552.8	24575.0	26113.9
65°	21261.7	21432.0	22126.8	22230.5	22499.0	23894.0	24610.9	25355.5	25556.2	26465.5	26079.3
67.5°	19797.5	19861.2	20450.7	22285.9	21776.6	22438.1	22515.6	23066.4	24763.1	27135.3	25031.7
70°	17689.8	17724.4	18239.2	20432.8	18713.9	18859.2	18744.3	18856.5	21289.4	25503.6	22387.0
72.5°	14236.7	14323.9	15056.0	16968.7	13633.4	13214.0	14116.4	14066.6	16395.8	21546.9	16626.9
75°	10482.1	10633.0	11738.7	13667.9	9568.7	8655.3	9314.1	9489.8	11655.7	16667.1	10397.7
77.5°	7339.1	7451.3	8522.4	10047.6	6925.3	6189.1	5951.0	6160.0	7693.5	12057.0	5238.3
80°	4228.0	4269.5	4953.2	5801.6	4666.7	5339.4	4837.0	4980.9	4609.9	5364.2	2253.0
82.5°	2766.5	2773.5	3040.6	3453.0	2906.3	3376.9	2499.4	3195.6	2835.7	2154.9	733.5
85°	1494.7	1503.0	1763.1	2451.0	1645.5	930.1	546.6	1122.4	1753.5	494.1	200.7
87.5°	164.7	150.8	531.4	891.3	456.7	84.4	29.1	125.9	281.0	31.9	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°	9801.2	9801.2	9801.2	9801.2	9801.2	9801.2	9801.2	9801.2	9801.2	9801.2	9801.2
2.5°	10480.7	10365.9	10079.3	9776.3	9532.7	9304.4	9074.6	8793.7	8576.4	8532.1	8460.1
5°	10256.5	9892.6	9291.9	8688.5	8202.7	7589.6	7200.8	6897.6	6601.5	6583.5	6524.0
7.5°	9473.2	8994.4	8148.7	7314.2	6630.6	6046.5	5456.9	5062.5	4752.5	4643.2	4578.1
10°	8720.3	8182.0	7126.0	6173.8	5563.5	5047.3	4632.1	4219.7	3846.0	3588.6	3472.3
12.5°	8194.5	7599.3	6435.4	5614.7	5177.4	4687.5	4181.0	3666.1	3235.7	2925.7	2736.0
15°	7991.0	7355.8	6204.3	5393.3	4853.5	4233.5	3585.8	2997.6	2520.2	2239.3	2069.1
17.5°	8233.2	7494.1	6186.3	5123.4	4369.1	3598.3	2882.8	2188.0	1738.3	1525.1	1415.8
20°	8847.7	7934.3	6179.4	4792.6	3793.4	2845.4	1952.8	1439.3	1166.7	1047.6	996.5
22.5°	9716.8	8496.1	6234.8	4466.0	3194.2	2033.0	1347.9	1057.3	917.6	853.9	824.9
25°	10835.0	9285.0	6391.2	4169.9	2630.9	1516.8	1050.4	885.7	787.4	737.7	716.9
27.5°	12026.6	10192.9	6634.7	3912.4	2172.8	1209.6	899.6	758.4	687.9	653.2	633.8
30°	13009.2	11244.7	6881.1	3626.0	1840.6	1054.6	823.5	692.0	610.3	588.2	570.2
32.5°	13868.7	12040.4	7055.4	3367.2	1623.4	937.0	744.6	618.6	563.3	520.4	501.0
35°	14758.5	12703.3	7049.9	3185.9	1473.9	848.4	678.2	553.6	487.2	437.4	422.1
37.5°	15721.8	13452.1	6929.5	3030.9	1408.9	777.7	640.8	519.0	452.5	402.7	383.3
40°	16849.7	14238.1	6806.4	2885.6	1390.9	721.0	614.4	491.3	420.7	372.2	352.9
42.5°	17948.6	14946.8	6698.4	2777.6	1313.4	719.6	591.0	470.5	395.8	348.8	326.6
45°	18827.4	15606.9	6677.6	2712.6	1231.7	744.6	578.5	456.7	376.4	329.4	308.6
47.5°	19558.1	16323.8	6810.5	2666.9	1154.2	679.6	609.0	447.0	358.5	312.8	289.2
50°	20427.3	17204.0	7123.3	2592.1	1072.6	611.7	697.5	449.8	343.2	296.1	271.3
52.5°	21639.6	18421.9	7582.7	2466.2	960.4	549.4	686.5	452.5	326.6	278.2	253.3
55°	22998.6	19942.9	8076.8	2257.2	804.1	467.8	588.2	433.2	294.7	258.8	235.3
57.5°	24426.9	21322.7	8370.1	2008.1	639.4	404.1	470.5	394.4	260.2	232.5	217.2
60°	24651.1	21847.2	8235.9	1702.3	507.9	351.6	348.8	401.3	232.5	204.8	193.8
62.5°	24093.4	21188.4	7586.9	1429.6	424.9	308.6	286.5	350.2	210.3	182.7	171.6
65°	23020.8	19407.3	6535.1	1288.4	394.4	264.4	238.0	246.3	184.1	159.2	149.5
67.5°	21528.9	17029.6	5365.6	1208.2	390.3	226.9	203.4	186.9	159.2	138.4	130.1
70°	18478.6	14187.0	4280.6	1163.9	379.2	191.0	171.6	152.2	132.8	117.7	110.8
72.5°	13600.1	10053.1	3329.8	1115.4	381.9	152.2	149.5	125.9	106.6	91.4	88.6
75°	7858.2	5743.5	2183.9	903.7	364.0	117.7	124.5	88.6	74.7	63.6	63.6
77.5°	4187.9	3502.8	831.8	376.4	132.8	74.7	70.6	52.6	47.0	38.8	37.4
80°	1825.5	1541.7	250.5	105.2	73.3	40.1	26.3	23.6	20.8	16.6	15.2
82.5°	646.3	557.7	81.7	51.2	31.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	146.7	105.2	0.0	12.5	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°	9801.2	9801.2	9801.2	9801.2	9801.2	9801.2	9801.2	9801.2	9801.2	9801.2	9801.2
2.5°	8313.4	8283.0	8103.1	8110.0	8141.8	8187.5	8079.6	8129.3	8263.7	8392.3	8440.8
5°	6428.5	6435.4	6326.0	6393.9	6454.8	6496.3	6321.9	6324.6	6431.2	6576.5	6652.6
7.5°	4529.7	4518.7	4524.2	4686.1	4800.9	4717.9	4782.9	4557.4	4571.2	4675.0	4597.5
10°	3367.2	3215.0	3129.2	3250.9	3376.9	3331.2	3219.1	3145.7	3197.0	3311.8	3303.5
12.5°	2646.2	2427.4	2298.8	2211.6	2315.4	2229.6	2226.8	2163.1	2093.9	2106.4	2290.5
15°	1990.2	1831.0	1678.7	1538.9	1536.2	1507.2	1359.0	1192.9	1179.2	1187.4	1282.9
17.5°	1368.7	1314.8	1252.5	1132.1	1100.3	978.5	834.6	768.1	734.9	750.1	781.9
20°	961.8	941.0	948.0	882.9	837.3	721.0	636.6	610.3	604.8	620.0	635.2
22.5°	797.1	759.8	755.7	726.6	680.9	596.5	550.8	535.5	528.7	542.5	553.6
25°	697.5	660.2	644.9	626.9	578.5	520.4	492.7	478.8	471.9	480.2	487.2
27.5°	614.4	579.9	566.0	553.6	506.6	465.0	442.9	430.4	424.9	427.7	434.6
30°	552.2	521.8	503.8	488.5	448.4	419.4	400.0	387.5	381.9	381.9	388.9
32.5°	487.2	470.5	453.9	434.6	397.2	377.8	358.5	344.6	339.1	340.5	346.0
35°	405.5	400.0	404.1	386.1	354.3	337.7	318.3	303.1	298.9	300.3	305.8
37.5°	359.9	334.9	350.2	340.5	322.5	300.3	275.4	261.6	254.7	258.8	261.6
40°	330.8	300.3	289.2	298.9	296.1	260.2	238.0	224.2	218.6	220.0	222.8
42.5°	305.8	269.9	245.0	243.6	260.2	226.9	203.4	191.0	184.1	184.1	186.9
45°	282.4	243.6	213.1	189.6	218.6	192.4	170.2	159.2	150.8	150.8	152.2
47.5°	264.4	221.4	185.5	155.0	164.7	157.8	139.8	128.7	120.4	120.4	121.8
50°	247.7	199.3	160.5	130.1	123.2	130.1	113.5	101.1	95.5	94.1	96.9
52.5°	229.7	177.2	137.0	110.8	96.9	98.3	88.6	80.3	73.3	73.3	76.1
55°	211.7	159.2	119.1	94.1	80.3	73.3	70.6	65.0	59.5	59.5	62.3
57.5°	193.8	139.8	101.1	77.5	63.6	58.1	58.1	53.9	49.8	49.8	52.6
60°	177.2	120.4	83.0	63.6	49.8	48.4	49.8	45.6	42.9	42.9	45.6
62.5°	157.8	102.4	67.8	52.6	40.1	38.8	42.9	40.1	37.4	37.4	40.1
65°	134.2	87.2	53.9	40.1	30.5	30.5	36.0	33.3	30.5	30.5	33.3
67.5°	113.5	73.3	41.5	29.1	22.2	23.6	30.5	27.7	26.3	26.3	29.1
70°	94.1	56.7	29.1	18.0	12.5	18.0	23.6	23.6	23.6	23.6	26.3
72.5°	70.6	38.8	16.6	6.9	5.5	12.5	19.4	22.2	20.8	20.8	24.9
75°	45.6	22.2	5.5	0.0	0.0	6.9	15.2	18.0	18.0	16.6	20.8
77.5°	26.3	6.9	0.0	0.0	0.0	0.0	9.7	8.3	6.9	5.5	9.7
80°	6.9	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



REPORT NUMBER: P383338
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CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	9801.2	9801.2	9801.2	9801.2	9801.2	9801.2	9801.2	9801.2	9801.2	9801.2
2.5°	8635.9	8799.2	9028.9	9272.5	9647.6	9945.1	10237.1	10487.6	10584.5	10624.7
5°	6835.4	7074.8	7411.1	7842.9	8519.7	9128.6	9745.9	10367.2	10637.2	10704.9
7.5°	4904.8	5210.6	5638.3	6179.4	6972.4	7761.3	8623.4	9535.5	9953.4	10058.6
10°	3630.1	4003.8	4493.7	5063.9	5821.0	6632.0	7571.6	8613.7	9091.3	9231.0
12.5°	2575.5	3080.7	3736.7	4430.1	5086.1	5809.9	6760.6	7909.3	8410.3	8561.2
15°	1512.6	2001.2	2777.6	3706.3	4546.3	5279.8	6245.8	7548.1	8100.3	8252.6
17.5°	867.7	1111.3	1698.1	2733.3	3873.7	4889.5	6083.8	7638.0	8288.5	8429.7
20°	662.9	740.4	978.5	1760.4	3087.6	4506.2	6083.8	8147.4	8948.7	9156.3
22.5°	579.9	636.6	733.5	1050.4	2272.4	4095.2	6154.5	8883.6	9931.3	10161.0
25°	514.9	566.0	649.1	790.2	1550.0	3606.6	6321.9	9787.4	11088.3	11385.8
27.5°	460.8	509.3	584.0	692.0	1060.1	3017.0	6547.5	10847.5	12364.2	12602.3
30°	412.4	458.1	525.9	602.1	817.9	2348.6	6739.8	11846.7	13366.3	13622.3
32.5°	366.8	408.3	469.1	525.9	669.9	1736.9	6760.6	12638.3	14198.0	14452.7
35°	323.8	361.3	416.6	460.8	554.9	1371.5	6438.2	13324.8	15029.8	15366.1
37.5°	282.4	318.3	366.8	400.0	488.5	1118.2	5945.5	14090.1	16096.9	16408.2
40°	243.6	275.4	325.2	347.4	462.2	859.4	5409.9	14892.7	17143.1	17428.2
42.5°	207.5	238.0	286.5	329.4	405.5	642.1	4831.4	15645.6	18084.2	18383.2
45°	173.0	204.8	253.3	348.8	336.3	480.2	4212.7	16145.3	18827.4	19152.6
47.5°	139.8	175.8	242.2	332.2	268.5	352.9	3722.8	16618.6	19390.6	19711.7
50°	112.1	148.1	272.7	296.1	220.0	269.9	3518.0	17042.1	19760.2	20068.8
52.5°	91.4	124.5	257.4	226.9	184.1	222.8	3628.8	17728.6	20102.1	20295.7
55°	76.1	98.3	155.0	157.8	156.4	189.6	3765.8	18713.9	20986.4	21077.7
57.5°	66.4	78.9	108.0	121.8	131.4	168.9	3768.5	20128.3	22355.1	22411.8
60°	56.7	69.2	90.0	98.3	113.5	150.8	3631.5	20622.4	22893.4	23081.7
62.5°	49.8	60.9	74.7	81.7	95.5	135.6	3310.4	19906.9	22154.4	22474.1
65°	44.2	55.3	62.3	69.2	84.4	121.8	2781.8	18475.8	20928.2	21261.7
67.5°	38.8	48.4	55.3	62.3	76.1	108.0	2048.3	16813.7	19520.8	19797.5
70°	34.6	42.9	49.8	55.3	66.4	91.4	1242.8	14267.2	17574.9	17689.8
72.5°	33.3	38.8	45.6	49.8	58.1	80.3	629.7	10484.8	14050.0	14236.7
75°	29.1	34.6	41.5	44.2	51.2	69.2	256.0	6886.6	10181.8	10482.1
77.5°	23.6	31.9	37.4	40.1	44.2	56.7	130.1	4401.0	7145.3	7339.1
80°	8.3	23.6	31.9	33.3	37.4	41.5	85.8	2409.4	4144.9	4228.0
82.5°	0.0	15.2	24.9	23.6	26.3	31.9	55.3	1145.9	2736.0	2766.5
85°	0.0	6.9	19.4	15.2	11.1	22.2	19.4	250.5	1435.1	1494.7
87.5°	0.0	0.0	1.4	6.9	5.5	8.3	2.8	1.4	130.1	164.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)