

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: P382612

Luminaire Tested: **GAN-SA0A-735-U-SLR-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382612
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-SA0A-735-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3500K, 615mA 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: 31852.4 lumens
Efficiency: N/A
Efficacy: 98.6 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G4

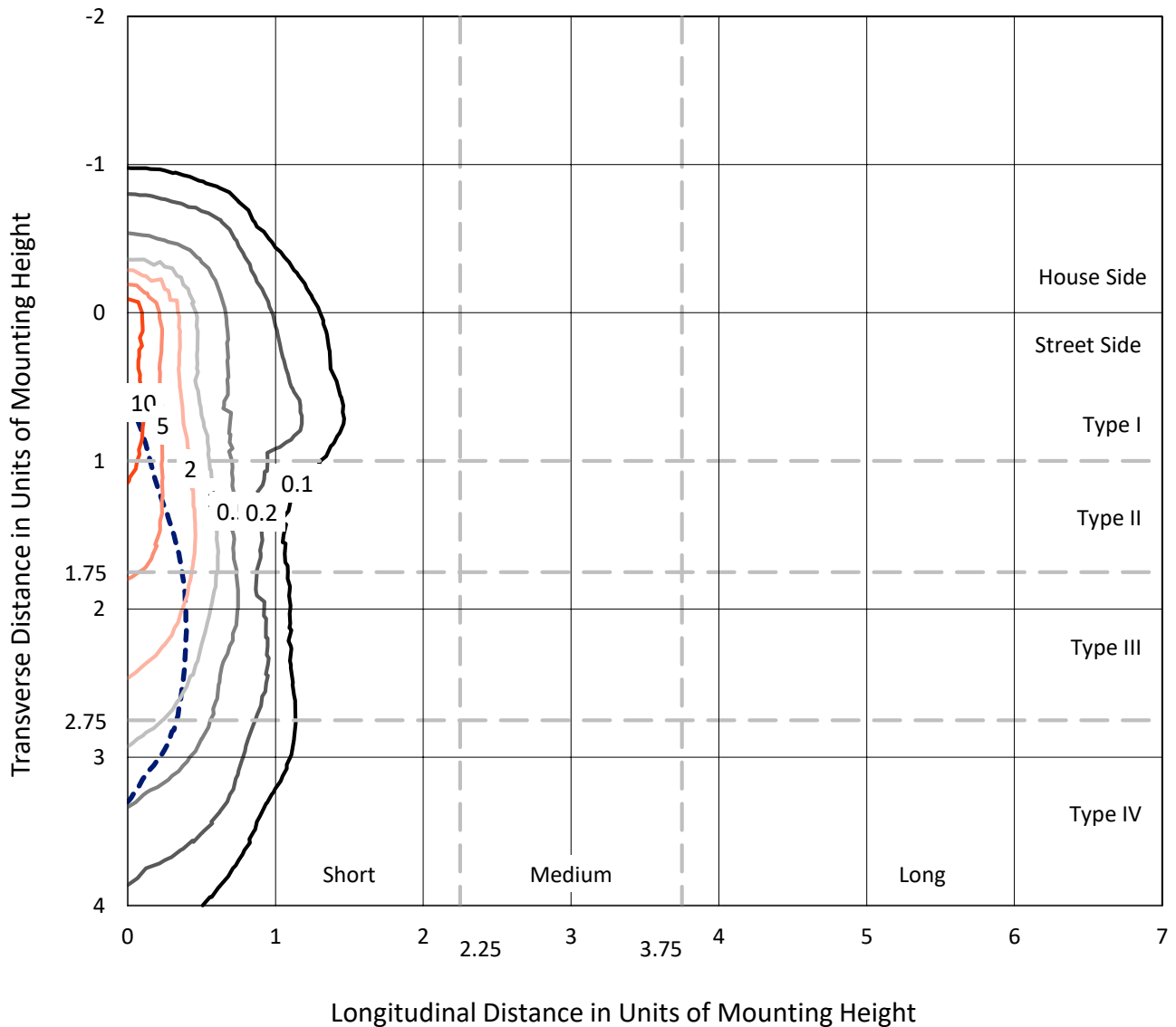
Input Watts (W): 323
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

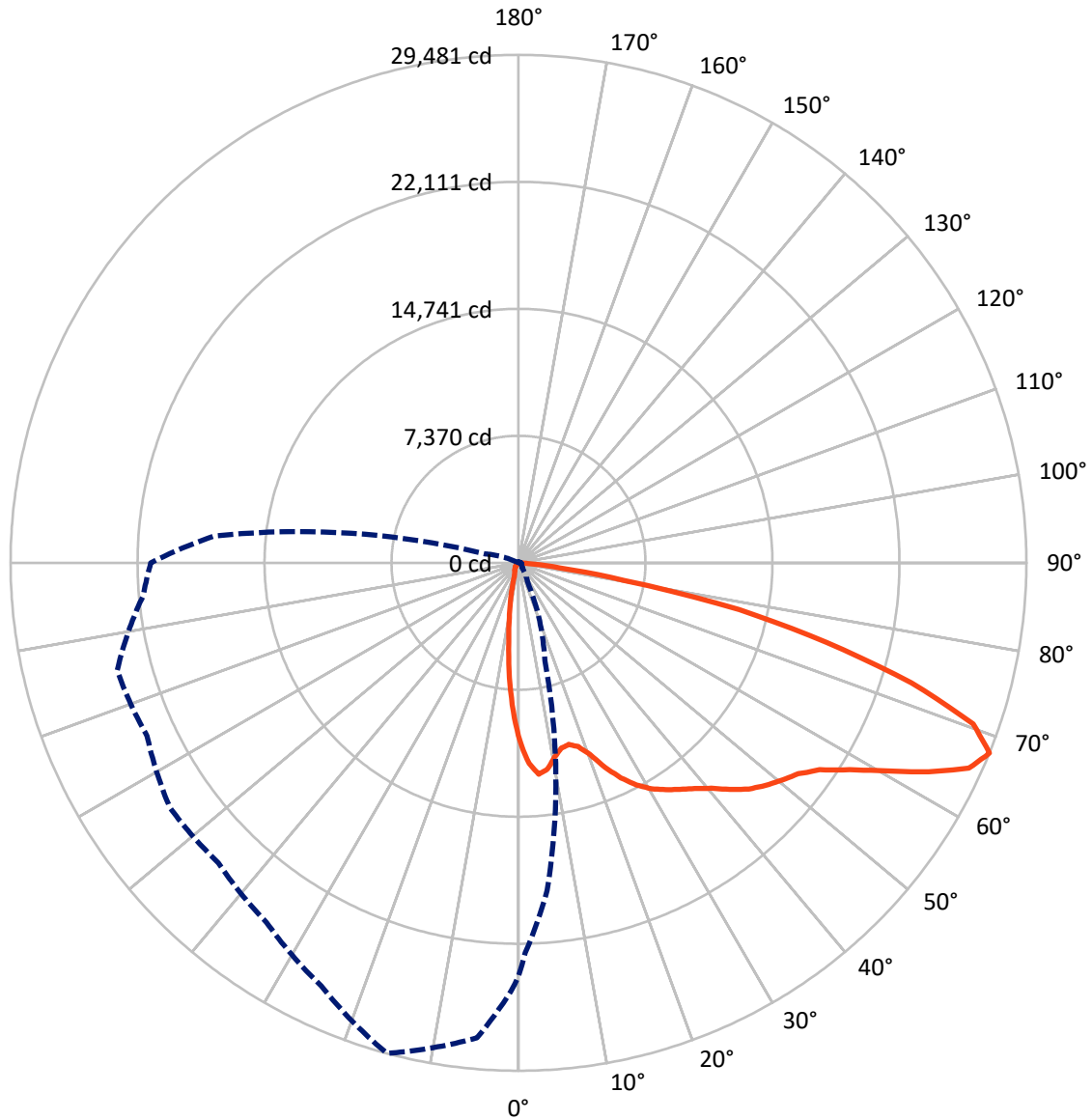
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.6 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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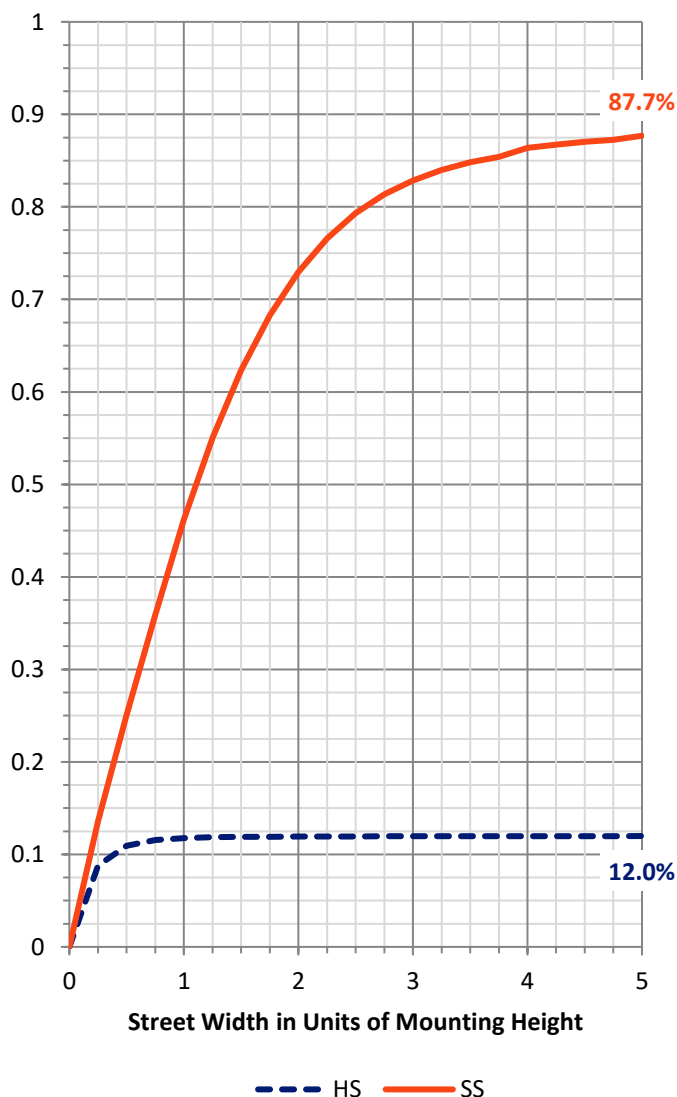
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3855.2	0.0	3855.2
	% Fixture	12.1	0.0	12.1
Street Side	Lumens	27997.2	0.0	27997.2
	% Fixture	87.9	0.0	87.9
Total	Lumens	31852.4	0.0	31852.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	796.3	2.5
10°-20°	1585.1	5.0
20°-30°	2250.8	7.1
30°-40°	3324.6	10.4
40°-50°	4794.8	15.1
50°-60°	6730.9	21.1
60°-70°	7846.3	24.6
70°-80°	4011.2	12.6
80°-90°	512.3	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°	31852.4	100.0
0°-180°	31852.4	100.0

Coefficient of Utilization

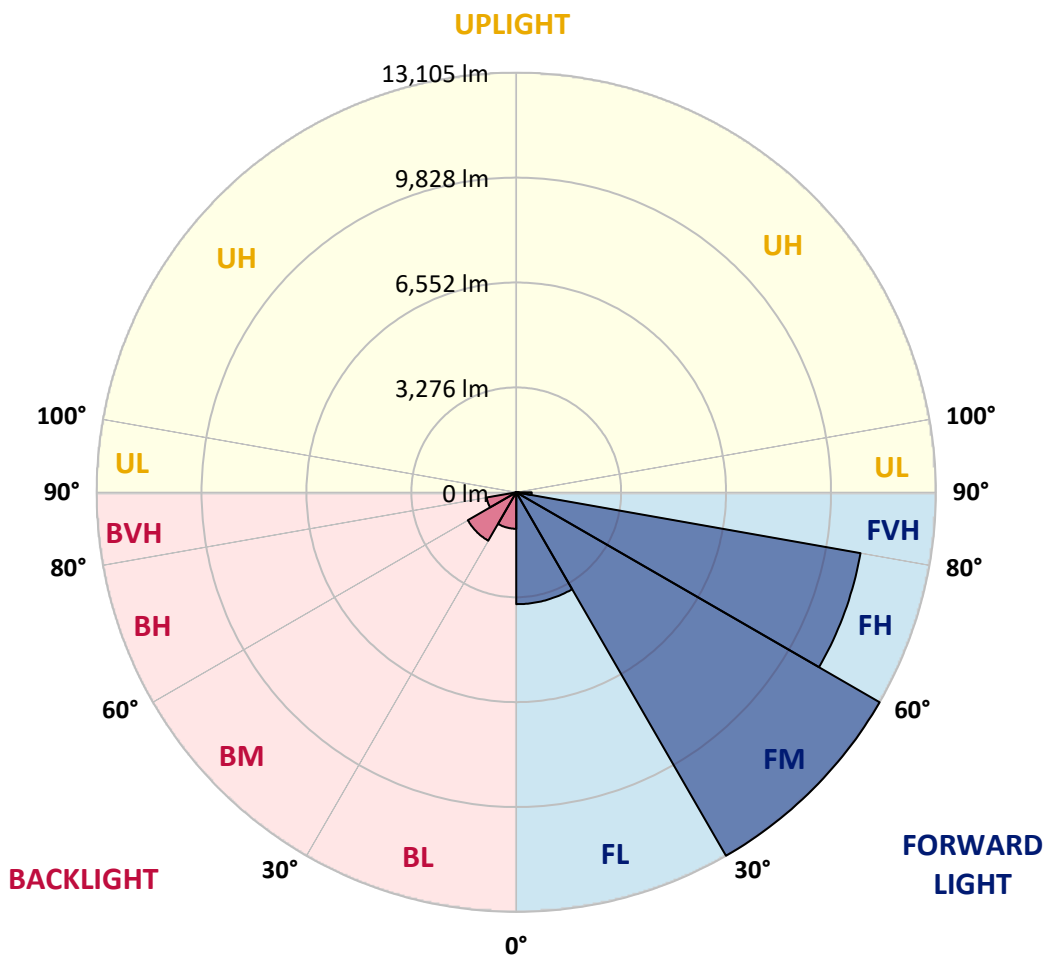


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3493.6	11.0			
FM (30°-60°)	13104.6	41.1			
FH (60°-80°)	10917.9	34.3			G4/12000
FVH (80°-90°)	481.2	1.5			G3/500
BL (0°-30°)	1138.7	3.6	B3/2500		
BM (30°-60°)	1745.8	5.5	B2/2500		
BH (60°-80°)	939.6	2.9	B2/1000		G2/1000
BVH (80°-90°)	31.1	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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10375.9	10375.9	10375.9	10375.9	10375.9	10375.9	10375.9	10375.9	10375.9	10375.9	10375.9
2.5°	11361.2	11273.7	11177.2	10861.8	10569.1	10234.0	9960.9	9770.7	9532.3	9223.0	9144.5
5°	11279.7	11186.2	10882.9	10181.2	9567.0	8969.5	8393.1	8055.0	7635.5	7210.0	7104.4
7.5°	10460.3	10362.3	9924.7	8963.4	8136.5	7273.3	6524.9	6061.7	5587.8	5198.5	4991.8
10°	9607.8	9500.7	9008.7	7842.2	6823.7	6043.5	5494.3	5052.2	4604.0	4187.5	3855.5
12.5°	9020.8	8880.4	8346.3	7024.3	6137.1	5607.5	5094.4	4564.7	3958.1	3511.5	3146.3
15°	8774.8	8614.9	8050.5	6709.0	5894.2	5272.5	4604.0	3953.6	3242.8	2731.3	2396.3
17.5°	8964.9	8756.7	8151.6	6687.9	5589.3	4742.8	3897.8	3134.2	2363.1	1845.5	1607.1
20°	9610.8	9337.6	8569.6	6681.8	5219.6	4113.5	3042.2	2179.0	1557.3	1252.5	1127.3
22.5°	10627.8	10267.2	9170.2	6730.2	4837.8	3452.6	2197.1	1480.3	1169.5	1011.0	937.0
25°	11856.2	11438.2	10034.8	6900.6	4502.8	2809.7	1596.5	1169.5	986.9	870.7	808.9
27.5°	13024.2	12684.6	11127.3	7146.6	4243.3	2290.7	1296.2	991.4	843.5	766.6	716.7
30°	14190.6	13763.5	12248.5	7439.3	3930.9	1939.0	1139.3	903.9	756.0	674.5	642.9
32.5°	15038.6	14684.1	13126.8	7650.6	3597.5	1709.7	1018.6	826.9	706.2	623.2	576.4
35°	16036.1	15634.7	13879.8	7697.4	3383.2	1564.8	916.0	743.9	612.7	538.7	488.9
37.5°	17113.6	16614.1	14748.9	7594.8	3215.7	1493.9	839.0	706.2	571.9	496.4	443.6
40°	18305.7	17741.2	15583.4	7446.9	3051.2	1469.8	780.2	677.5	540.2	463.3	408.9
42.5°	19561.1	18895.7	16306.2	7291.5	2947.0	1386.8	774.1	648.8	516.1	433.1	378.8
45°	20615.9	19941.4	17048.6	7240.2	2873.2	1296.2	799.7	629.3	499.5	408.9	356.1
47.5°	21456.4	20818.1	17809.1	7354.8	2830.9	1213.2	728.8	654.9	490.5	387.8	336.5
50°	22459.9	21737.1	18880.6	7697.4	2769.0	1130.2	659.4	750.0	490.5	374.2	319.9
52.5°	23718.4	23003.2	20075.7	8228.5	2645.3	1015.6	593.0	751.5	494.9	356.1	298.7
55°	25301.4	24782.2	21782.4	8811.0	2447.5	846.6	513.1	645.8	476.9	323.0	279.2
57.5°	26819.4	26395.4	23338.2	9209.4	2183.5	660.9	446.7	520.6	436.1	283.7	249.0
59°	27234.4	26771.1	23908.5	9227.5	1985.9	576.4	413.4	430.1	427.0	265.6	230.8
60°	27234.4	26742.4	24073.1	9130.9	1842.5	529.7	392.4	383.2	445.2	253.5	220.3
62.5°	26740.9	26049.8	23538.8	8477.5	1503.0	451.1	342.5	316.9	399.9	227.9	194.7
65°	25714.8	24708.3	21719.0	7296.0	1340.0	413.4	295.8	259.5	277.7	200.7	170.5
67.5°	24003.7	22639.5	19094.9	5894.2	1275.1	402.9	255.1	220.3	209.8	172.1	149.4
70°	20990.2	19476.6	15909.3	4634.2	1219.3	398.3	214.3	185.6	169.0	144.9	126.8
72.5°	15277.1	13698.7	11294.8	3623.1	1186.0	407.5	172.1	155.4	138.8	113.2	98.1
75°	8738.6	7704.9	6348.3	2393.2	1011.0	389.3	132.7	129.8	99.6	81.5	67.9
77.5°	4514.9	4377.6	3804.2	919.0	484.4	170.5	87.6	75.5	58.9	49.8	40.7
80°	1948.1	1927.0	1667.5	265.6	128.3	95.1	49.8	31.7	27.2	21.1	16.6
82.5°	673.0	673.0	593.0	89.1	57.4	46.8	6.1	0.0	0.0	0.0	0.0
85°	135.8	152.4	107.1	0.0	19.7	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°	10375.9	10375.9	10375.9	10375.9	10375.9	10375.9	10375.9	10375.9	10375.9	10375.9	10375.9
2.5°	9049.4	8866.8	8854.8	8740.2	8596.8	8531.9	8494.1	8560.5	8642.1	8651.1	8773.3
5°	7024.3	6832.7	6912.7	6709.0	6749.7	6709.0	6642.6	6654.7	6690.9	6577.8	6718.0
7.5°	4932.9	4788.1	4880.1	4825.8	4898.2	4926.9	4886.2	4825.8	4647.7	4626.6	4748.8
10°	3718.2	3553.7	3455.6	3353.0	3375.6	3422.4	3407.3	3363.5	3250.4	3256.4	3374.2
12.5°	2987.8	2803.7	2609.1	2357.1	2295.1	2329.9	2295.1	2269.5	2160.9	2169.9	2274.1
15°	2266.5	2115.6	1911.9	1709.7	1599.6	1610.1	1513.5	1445.6	1377.8	1296.2	1359.6
17.5°	1530.2	1438.0	1377.8	1317.4	1186.0	1155.9	1033.6	902.4	851.1	813.3	840.5
20°	1083.5	1033.6	1009.5	1006.5	931.1	893.4	774.1	692.6	667.0	659.4	676.0
22.5°	905.4	869.2	834.5	814.8	777.1	733.4	642.9	602.1	584.0	575.0	587.0
25°	787.7	760.5	724.3	691.1	676.0	629.3	564.3	534.1	522.1	513.1	519.1
27.5°	700.2	676.0	633.8	612.7	600.6	559.9	504.0	479.8	469.3	466.2	464.7
30°	630.8	608.1	568.9	544.8	523.6	487.4	454.2	430.1	419.5	416.5	413.4
32.5°	561.4	543.3	517.6	493.4	470.8	437.6	408.9	389.3	372.7	369.7	368.2
35°	473.8	455.7	442.1	440.6	419.5	387.8	366.7	341.0	327.4	323.0	324.5
37.5°	421.0	396.8	366.7	377.3	371.2	348.6	319.9	294.3	280.7	277.7	277.7
40°	387.8	362.2	327.4	309.4	327.4	323.0	277.7	252.0	238.4	236.9	233.9
42.5°	356.1	330.5	291.2	261.0	270.1	283.7	240.0	215.7	202.2	199.2	194.7
45°	333.5	306.3	262.6	227.9	209.8	238.4	205.2	175.0	167.5	161.4	158.5
47.5°	312.3	286.7	236.9	197.7	167.5	172.1	164.5	143.4	134.3	128.3	126.8
50°	294.3	267.1	214.3	169.0	138.8	126.8	132.7	113.2	105.6	99.6	96.6
52.5°	273.1	247.5	190.1	146.3	116.2	99.6	101.1	89.1	81.5	76.9	75.5
55°	256.5	230.8	170.5	128.3	102.7	81.5	72.5	69.4	64.9	61.9	60.4
57.5°	233.9	209.8	150.9	108.6	87.6	66.4	55.8	55.8	54.3	51.3	49.8
59°	220.3	199.2	138.8	98.1	80.0	57.4	49.8	51.3	49.8	46.8	45.3
60°	209.8	190.1	129.8	90.5	75.5	52.8	45.3	48.3	46.8	43.8	42.3
62.5°	185.6	172.1	111.7	75.5	66.4	42.3	37.7	40.7	40.7	39.2	37.7
65°	162.9	147.8	95.1	63.3	61.9	36.2	30.2	36.2	37.7	34.7	31.7
67.5°	141.9	126.8	83.0	51.3	57.4	28.7	22.6	30.2	40.7	31.7	28.7
70°	120.7	105.6	64.9	40.7	60.4	19.7	18.1	27.2	48.3	34.7	27.2
72.5°	93.5	81.5	45.3	30.2	64.9	13.6	13.6	22.6	54.3	37.7	25.6
75°	64.9	52.8	27.2	18.1	52.8	9.0	9.0	21.1	51.3	34.7	24.1
77.5°	37.7	28.7	9.0	1.5	27.2	0.0	1.5	15.1	36.2	21.1	10.5
80°	13.6	6.1	0.0	0.0	16.6	0.0	0.0	0.0	3.0	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):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10375.9	10375.9	10375.9	10375.9	10375.9	10375.9	10375.9	10375.9	10375.9	10375.9	10375.9
2.5°	8805.0	9008.7	9191.3	9467.4	9794.9	10172.1	10496.6	10845.2	11172.6	11308.4	11402.0
5°	6746.7	6998.7	7293.0	7698.9	8239.2	8904.6	9527.8	10232.5	10990.0	11368.8	11724.9
7.5°	4769.9	5026.4	5391.6	5823.2	6476.6	7268.9	8083.7	9057.0	10083.1	10682.1	11272.2
10°	3430.0	3745.3	4086.3	4676.4	5340.4	6091.9	6930.8	8017.3	9161.1	9825.0	10535.8
12.5°	2334.5	2693.6	3209.6	3870.6	4650.8	5387.1	6116.0	7152.6	8480.5	9138.5	9900.5
15°	1400.4	1599.6	2145.8	2910.9	3867.6	4785.0	5583.3	6623.0	8038.4	8844.2	9636.5
17.5°	863.2	955.2	1252.5	1880.2	2885.2	4045.6	5139.6	6443.4	8101.8	9082.7	9930.7
20°	688.1	724.3	819.4	1110.6	1911.9	3230.8	4640.1	6407.2	8619.4	9826.6	10736.6
22.5°	597.6	632.2	695.7	807.3	1202.6	2418.9	4166.3	6440.4	9361.8	10941.8	12004.1
25°	526.6	556.8	617.2	709.2	881.2	1703.6	3659.3	6588.3	10329.1	12325.5	13454.2
27.5°	470.8	496.4	552.3	636.8	756.0	1189.1	3084.4	6767.9	11475.9	13740.9	14854.6
30°	419.5	442.1	492.0	570.4	656.4	914.4	2453.6	6890.1	12624.2	14854.6	15855.0
32.5°	375.8	392.4	437.6	504.0	570.4	728.8	1865.1	6870.4	13476.9	15781.1	16574.8
35°	330.5	347.1	386.3	443.6	496.4	602.1	1466.7	6503.8	14219.2	16742.3	17398.7
37.5°	280.7	301.8	339.5	390.8	427.0	529.7	1186.0	6061.7	14972.3	17840.9	18317.7
40°	238.4	259.5	292.8	348.6	371.2	502.5	911.4	5523.0	15818.8	19069.2	19325.7
42.5°	197.7	217.3	252.0	300.3	350.1	433.1	674.5	4907.3	16632.1	20119.5	20244.7
45°	159.9	179.6	215.7	264.1	374.2	359.1	522.1	4247.9	17288.6	20993.2	21033.9
47.5°	126.8	144.9	182.6	249.0	348.6	286.7	372.7	3730.2	17839.3	21675.2	21568.1
50°	98.1	113.2	152.4	285.2	304.8	236.9	282.2	3558.2	18332.8	22097.7	21820.1
52.5°	76.9	90.5	125.3	267.1	236.9	196.2	236.9	3719.7	19008.8	22447.9	21962.0
55°	61.9	75.5	98.1	152.4	161.4	166.0	202.2	3870.6	20175.3	23268.8	22799.4
57.5°	51.3	64.9	80.0	107.1	122.2	140.3	179.6	3887.2	21550.0	24632.8	24189.2
59°	46.8	58.9	72.5	95.1	107.1	128.3	169.0	3796.6	22034.4	25129.3	24907.5
60°	43.8	55.8	67.9	87.6	99.6	120.7	162.9	3710.6	22055.5	25111.3	25213.8
62.5°	37.7	49.8	60.4	74.0	84.5	102.7	146.3	3392.2	21162.2	24288.8	25029.8
65°	33.2	43.8	54.3	63.3	72.5	92.0	132.7	2811.2	19636.6	22962.4	23769.7
67.5°	30.2	37.7	49.8	55.8	64.9	81.5	117.7	2003.9	17730.7	21340.3	21863.9
70°	27.2	36.2	45.3	51.3	58.9	70.9	101.1	1151.4	14972.3	18965.1	19337.8
72.5°	25.6	34.7	40.7	48.3	52.8	63.3	92.0	541.7	10962.8	15192.6	16165.9
75°	22.6	31.7	37.7	45.3	49.8	57.4	78.4	259.5	7291.5	10994.6	12100.6
77.5°	13.6	25.6	34.7	40.7	43.8	49.8	64.9	149.4	4653.7	7609.9	8963.4
80°	0.0	9.0	25.6	34.7	37.7	42.3	49.8	117.7	2489.8	4347.4	5218.2
82.5°	0.0	0.0	18.1	27.2	25.6	28.7	37.7	74.0	1122.7	2841.4	3202.1
85°	0.0	0.0	6.1	21.1	18.1	13.6	25.6	25.6	245.9	1438.0	1794.2
87.5°	0.0	0.0	0.0	1.5	9.0	6.1	10.5	3.0	1.5	107.1	434.6
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°	10375.9	10375.9	10375.9	10375.9	10375.9	10375.9	10375.9	10375.9	10375.9	10375.9
2.5°	11729.4	11841.1	12029.7	12118.8	12075.0	11889.3	11667.5	11441.2	11308.4	11361.2
5°	12450.7	13025.6	13357.6	13467.8	13283.7	12867.2	12322.5	11604.2	11349.1	11279.7
7.5°	12450.7	13532.7	14217.7	14338.5	13928.0	13111.7	12090.1	10968.9	10596.2	10460.3
10°	12013.1	13485.9	14441.1	14632.7	14059.3	12838.6	11469.9	10190.3	9748.1	9607.8
12.5°	11519.7	13105.7	14112.1	14376.2	13905.4	12566.9	11039.9	9663.6	9143.0	9020.8
15°	11216.4	12637.8	13470.8	13662.4	13463.3	12408.5	10937.2	9505.1	8892.6	8774.8
17.5°	11325.0	12275.7	12576.0	12687.7	12821.9	12352.7	11216.4	9852.2	9076.6	8964.9
20°	11734.0	11893.9	11738.5	11878.8	12241.0	12407.0	11881.8	10691.3	9760.2	9610.8
22.5°	12428.1	11696.2	11260.2	11316.0	11756.6	12586.5	12898.9	11889.3	10815.0	10627.8
25°	13236.9	11856.2	10994.6	10944.8	11397.5	12823.5	13828.5	13193.1	12062.9	11856.2
27.5°	14254.0	12215.3	10940.2	10890.4	11272.2	13045.3	14601.1	14481.8	13377.3	13024.2
30°	15038.6	12568.4	11101.7	10987.0	11397.5	13199.2	15221.2	15575.8	14424.5	14190.6
32.5°	15601.6	12984.9	11364.2	11198.2	11750.5	13464.8	15699.6	16577.8	15393.3	15038.6
35°	16030.1	13437.6	11788.3	11515.1	12236.4	13867.7	16147.8	17644.7	16423.9	16036.1
37.5°	16431.5	14072.9	12450.7	12124.7	12998.5	14516.6	16621.6	18854.9	17576.8	17113.6
40°	16991.3	14792.7	13472.3	13182.6	14279.6	15400.8	17213.1	20116.4	18888.2	18305.7
42.5°	17551.1	15565.3	14518.1	14596.5	15877.7	16475.3	17976.7	21450.4	20182.8	19561.1
45°	18062.7	16362.1	16007.4	16369.6	17361.0	17653.8	18735.8	22221.5	21216.5	20615.9
47.5°	18518.4	17358.0	17487.8	18452.0	19048.1	18720.7	19303.1	22886.9	21986.1	21456.4
50°	19048.1	18646.7	19438.9	20803.0	20990.2	19686.4	19819.1	23674.6	22885.4	22459.9
52.5°	19627.5	20004.8	21599.8	22802.4	22742.1	20735.1	20338.3	24557.5	24118.3	23718.4
55°	20285.5	21101.8	23502.7	24673.6	24622.3	21906.1	21198.4	25648.4	25663.5	25301.4
57.5°	21261.7	22046.5	24794.4	26187.1	26273.2	23258.1	22656.1	26870.7	27060.8	26819.4
59°	21962.0	22659.1	25305.9	26819.4	27169.5	24303.9	23721.4	27580.0	27454.7	27234.4
60°	22481.0	23048.4	25559.4	27149.9	27690.1	25013.2	24507.6	27996.5	27501.4	27234.4
62.5°	23765.2	23896.4	26016.6	27524.1	28289.1	26588.5	26719.8	28705.6	27177.1	26740.9
65°	24364.3	24432.2	26010.6	26854.1	27709.7	27815.4	28726.8	28726.8	26384.8	25714.8
67.5°	24113.8	23786.3	24720.4	24632.8	25487.0	27086.5	29481.2	27673.5	24869.8	24003.7
70°	22076.7	20816.6	20401.6	20439.4	21092.8	23560.0	27987.3	24574.0	22002.7	20990.2
72.5°	18369.0	15346.5	14321.9	15491.4	15661.9	18106.5	23851.2	18506.3	16226.3	15277.1
75°	14774.6	10818.0	9152.1	10386.4	10676.2	13250.5	18450.5	11525.8	9478.0	8738.6
77.5°	10614.2	7765.3	6567.1	6481.1	6855.4	8403.6	13092.1	5800.6	4837.8	4514.9
80°	6029.9	5110.9	5503.3	5192.4	5381.1	5254.3	6220.1	2544.1	2084.0	1948.1
82.5°	3639.7	3021.0	3271.5	2723.8	3446.5	3001.4	2396.3	814.8	707.7	673.0
85°	2367.6	1650.9	860.1	576.4	1187.5	1918.0	535.7	221.8	170.5	135.8
87.5°	816.4	421.0	42.3	18.1	126.8	357.6	19.7	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)