

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: P457191

Luminaire Tested: **GLAN-SA8C-730-U-SLL-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P457191
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-21)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA8C-730-U-SLL-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 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: 37130 lumens
Efficiency: N/A
Efficacy: 86.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 429
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

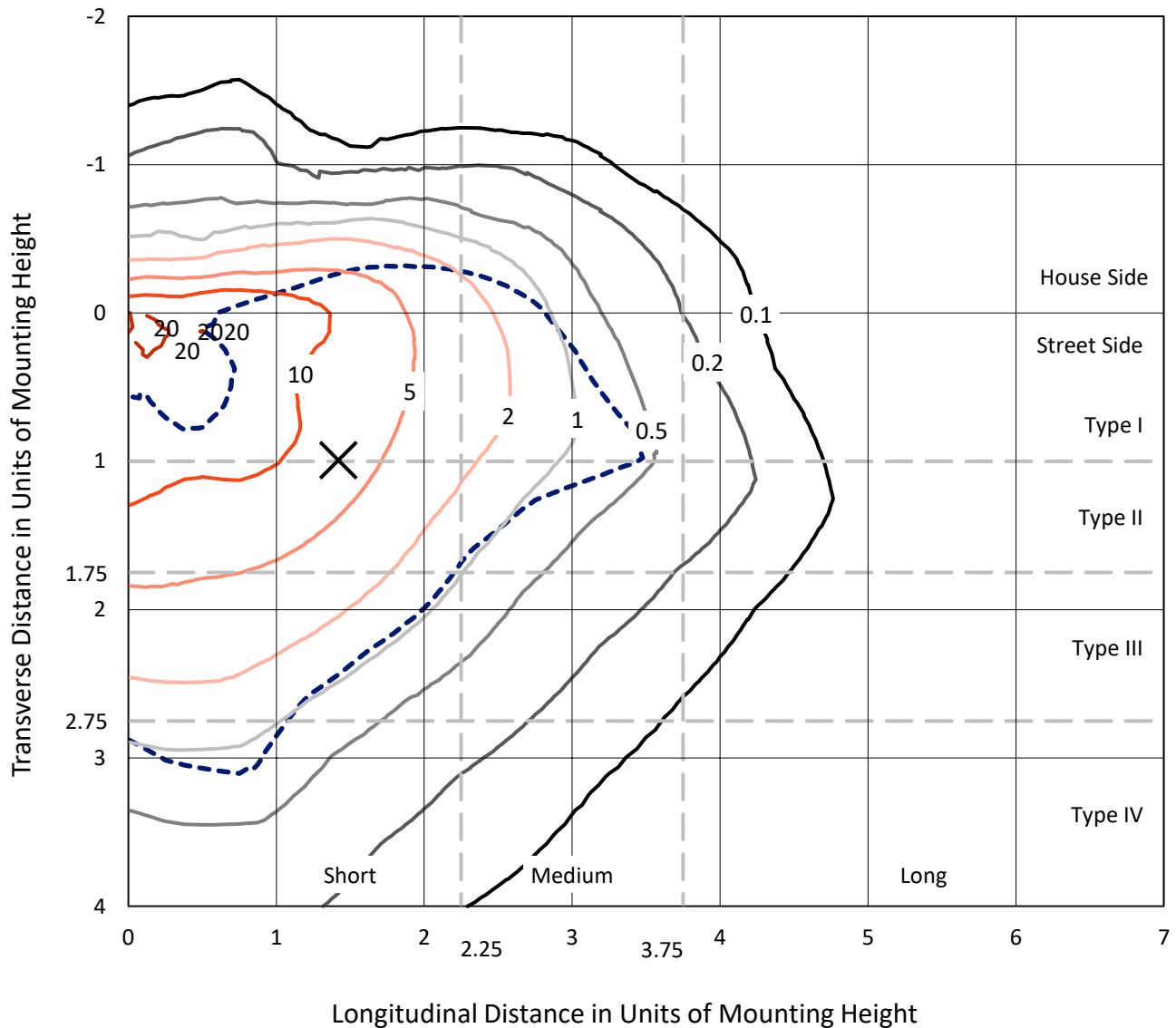


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Iso-Footcandle Lines of Horizontal Illumination

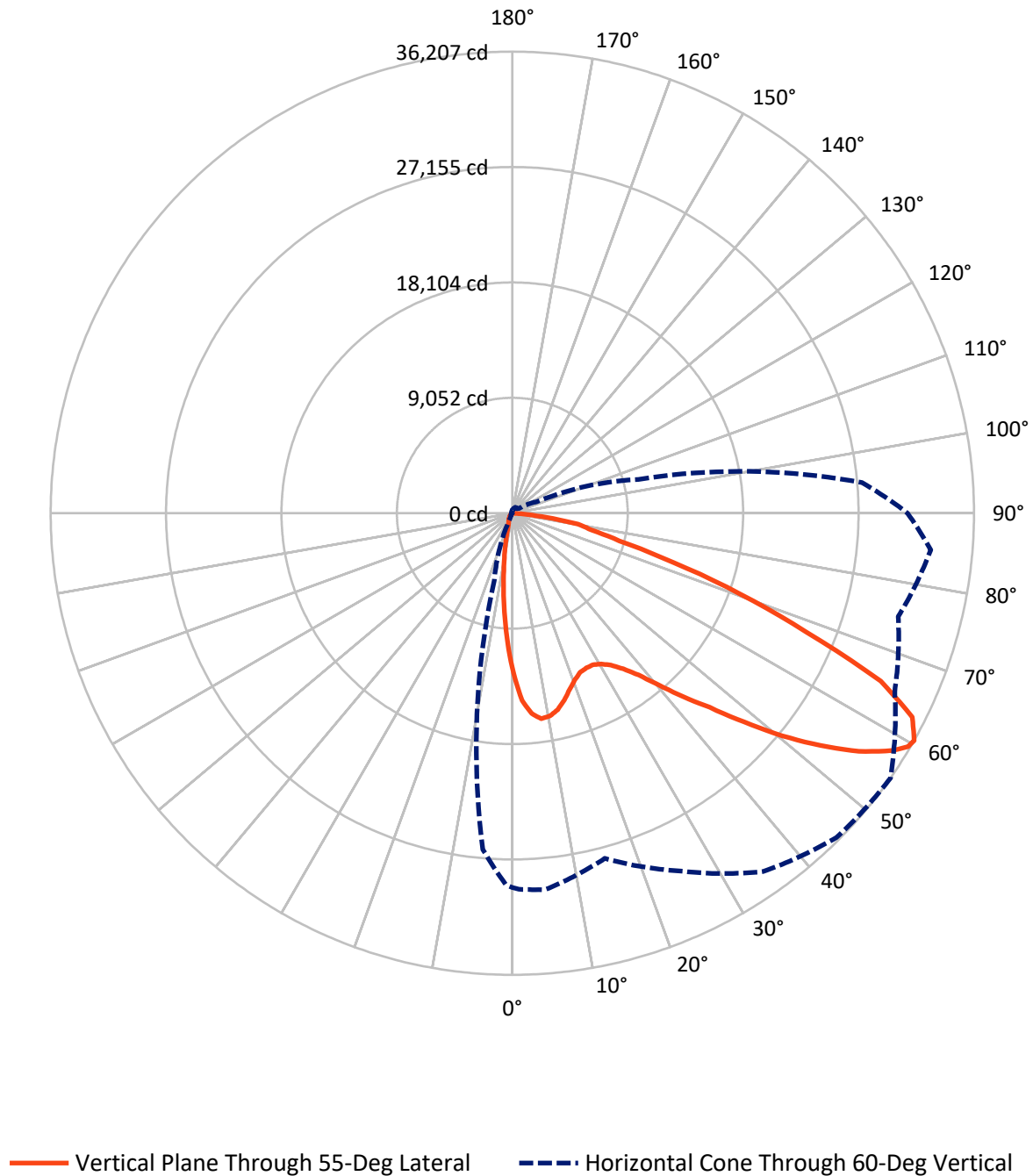
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 26 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5510.4	0.0	5510.4
	% Fixture	14.8	0.0	14.8
Street Side	Lumens	31619.6	0.0	31619.6
	% Fixture	85.2	0.0	85.2
Total	Lumens	37130.0	0.0	37130.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	931.0	2.5
10°-20°	1833.3	4.9
20°-30°	2713.6	7.3
30°-40°	4045.0	10.9
40°-50°	5923.9	16.0
50°-60°	8552.3	23.0
60°-70°	8996.6	24.2
70°-80°	3700.9	10.0
80°-90°	433.4	1.2
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°	37130.0	100.0
0°-180°	37130.0	100.0

Coefficient of Utilization



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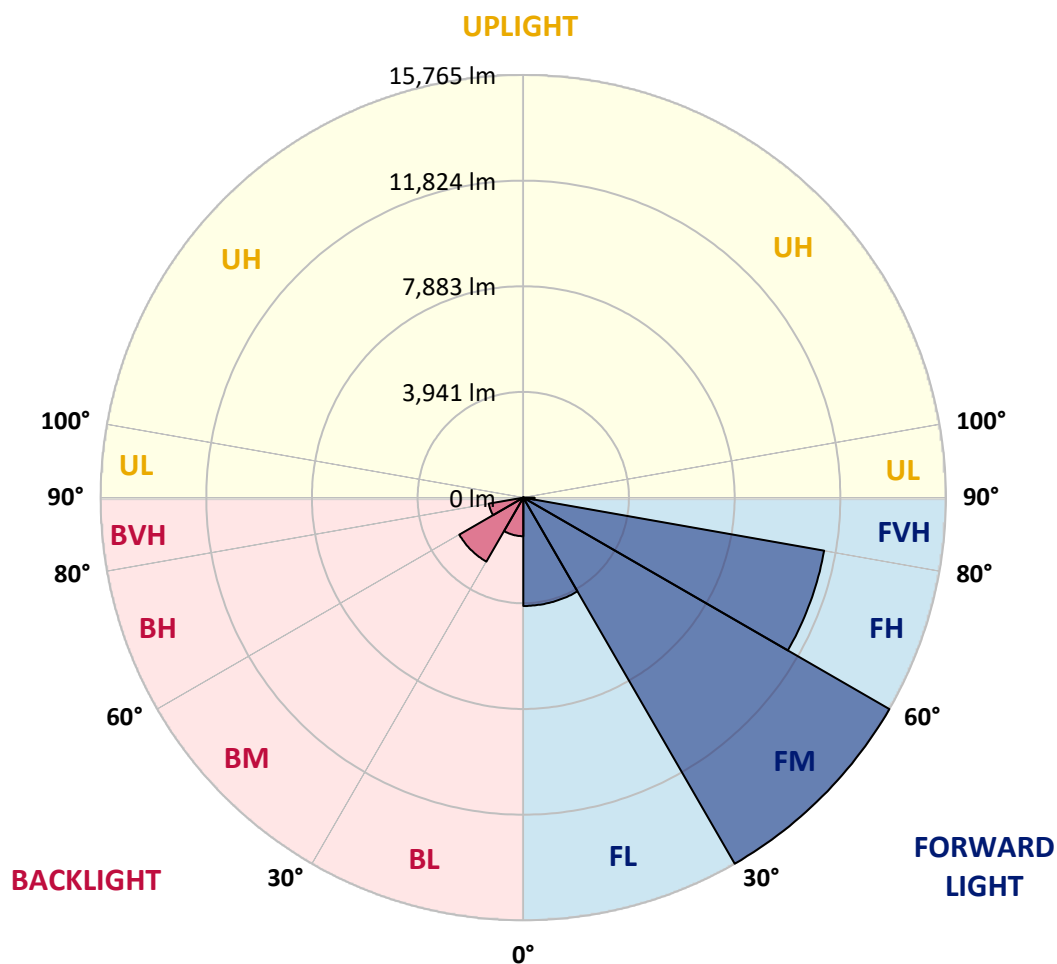
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4040.3	10.9			
FM	(30°-60°)	15765.4	42.5			
FH	(60°-80°)	11393.2	30.7			G4/12000
FVH	(80°-90°)	420.7	1.1			G3/500
BL	(0°-30°)	1437.7	3.9	B3/2500		
BM	(30°-60°)	2755.7	7.4	B3/5000		
BH	(60°-80°)	1304.3	3.5	B3/2500		G3/2500
BVH	(80°-90°)	12.7	0.0			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 Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12572.1	12572.1	12572.1	12572.1	12572.1	12572.1	12572.1	12572.1	12572.1	12572.1	12572.1
2.5°	13735.3	13712.4	13915.4	14246.9	14581.3	14755.6	14721.3	14707.0	14429.8	14226.9	13801.0
5°	13706.7	13823.9	14186.9	15084.3	15764.4	16093.1	16190.3	15781.6	15241.4	14458.4	13492.4
7.5°	12886.5	13032.2	13623.8	15027.1	16236.0	16950.5	16924.8	16270.3	15155.7	13943.9	12566.4
10°	11869.1	12040.5	12735.0	14438.4	16007.4	16950.5	17001.9	16173.1	14787.0	13232.3	11783.3
12.5°	11151.7	11354.6	12123.4	13889.6	15418.6	16347.5	16407.5	15807.3	14509.8	12957.9	11357.5
15°	10908.8	11100.3	11880.5	13612.4	14792.7	15292.9	15278.6	15215.7	14401.2	13023.7	11380.4
17.5°	11326.0	11483.2	12363.5	13738.2	14206.9	14155.4	14229.7	14532.7	14424.1	13575.3	12100.6
20°	12403.5	12563.5	13509.5	14124.0	13758.2	13432.4	13466.7	13972.5	14635.6	14612.7	13226.6
22.5°	13886.8	14158.3	15015.7	14872.8	13698.1	12983.7	12912.2	13569.5	14995.7	15807.3	14747.0
25°	15764.4	16038.8	16707.6	16067.4	13992.5	12877.9	12812.2	13446.6	15432.9	16973.4	16458.9
27.5°	17342.0	17550.7	18216.6	17230.6	14426.9	12923.6	12815.0	13463.8	15787.3	17965.1	17902.2
30°	18605.2	18759.6	19151.1	17773.6	14801.3	13123.7	12997.9	13715.3	15944.5	18448.1	19071.1
32.5°	19622.7	19882.7	20005.6	18353.7	15338.6	13500.9	13286.6	14198.3	16327.5	19045.4	20297.1
35°	20785.9	21085.9	20928.8	18908.2	16047.4	14089.7	13826.8	14981.4	16907.6	19597.0	21720.4
37.5°	22260.6	22606.4	21991.9	19491.2	16796.2	14975.6	14852.8	16081.7	17787.9	20385.7	23246.6
40°	23786.7	23986.8	23023.6	20200.0	17716.4	16264.6	16381.8	17716.4	18939.6	21331.7	24869.9
42.5°	24978.5	25167.1	24083.9	20794.4	18656.7	17793.6	18282.3	19688.4	20260.0	22300.6	26081.6
45°	25890.2	26050.2	24818.4	21443.2	19925.6	20008.5	20931.6	21720.4	21583.2	22892.2	27016.2
47.5°	26598.9	26736.1	25384.3	22140.5	21826.2	22717.8	24129.7	24464.0	22955.0	23532.3	27862.1
50°	26890.4	26930.4	25561.5	23029.3	23983.9	26170.2	27642.1	27439.2	24526.9	24244.0	28762.4
52.5°	27270.5	27262.0	26067.3	23875.3	26013.0	29256.8	30725.8	30265.7	26304.6	25310.0	29774.1
55°	28268.0	28279.4	27150.5	25075.6	27742.1	31748.9	33320.8	32986.4	28179.4	27110.5	30954.4
57.5°	29479.7	29522.6	28690.9	26478.9	29394.0	33555.2	35258.5	35129.9	30714.4	29113.9	32069.0
59°	29636.9	29722.7	29419.7	27467.7	30374.3	34109.6	35921.6	36047.3	32071.9	30434.3	32672.1
60°	29351.1	29494.0	29631.2	28027.9	30948.7	34309.7	35961.6	36207.3	33092.2	31331.7	32946.4
62.5°	28105.1	28330.8	29019.6	29751.2	31666.1	33686.6	34684.1	35198.5	34355.4	33689.5	32972.2
65°	26473.2	26590.4	27584.9	30057.0	30274.2	30777.2	31085.9	31746.1	32837.8	34598.3	31791.8
67.5°	23798.1	24143.9	25361.4	28282.3	26167.4	25572.9	25495.8	24838.4	27673.5	32432.0	28882.4
70°	19659.8	19814.2	21314.6	23186.5	19748.4	18833.9	19199.7	18953.9	21451.8	27919.3	23246.6
72.5°	14867.0	15215.7	16681.8	18482.4	13438.1	12252.0	13260.9	13169.4	16113.1	22437.8	15970.2
75°	10577.3	10803.0	12672.1	14464.1	9411.2	7973.7	8336.6	8676.7	11248.9	17716.4	9436.9
77.5°	7267.8	7462.1	8865.4	9565.6	6864.8	6576.1	6016.0	6344.6	7370.6	10511.5	5135.7
80°	4384.1	4375.5	5298.6	5470.1	4781.3	5553.0	4658.5	5230.0	4455.5	4498.4	1989.1
82.5°	2846.5	2817.9	3240.9	3532.4	2660.8	2797.9	1877.7	2706.5	2903.7	1254.6	628.7
85°	1274.6	1328.9	1557.6	2054.9	1166.0	620.2	383.0	831.7	1237.5	631.6	0.0
87.5°	131.5	102.9	274.4	500.1	160.0	17.1	57.2	28.6	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	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12572.1	12572.1	12572.1	12572.1	12572.1	12572.1	12572.1	12572.1	12572.1	12572.1	12572.1
2.5°	13603.8	13438.1	12943.6	12480.7	12083.4	11597.6	11283.2	10788.8	10488.7	10397.2	10411.5
5°	13058.0	12580.7	11640.4	10888.8	10051.4	9574.1	8848.2	8150.9	7773.6	7633.6	7570.7
7.5°	11914.8	11403.2	10268.6	9088.3	8190.9	7353.5	6813.3	6198.9	5778.8	5433.0	5372.9
10°	11066.0	10394.4	8988.2	7719.3	7010.5	6381.8	5841.6	5227.2	4732.8	4338.4	4229.8
12.5°	10557.3	9805.6	8236.6	7173.5	6501.8	5855.9	5152.9	4441.3	3935.4	3509.6	3312.4
15°	10465.8	9594.1	8025.1	6781.9	5953.1	5172.9	4238.3	3469.5	2949.4	2546.4	2423.5
17.5°	11017.4	9974.2	7993.7	6373.2	5235.8	4129.7	3158.0	2520.7	1934.8	1709.1	1620.5
20°	12000.5	10645.9	7990.8	5898.8	4498.4	3180.9	2217.8	1643.3	1406.1	1297.5	1246.1
22.5°	13340.9	11560.4	8142.3	5490.1	3732.5	2346.4	1583.3	1308.9	1171.8	1083.2	1063.2
25°	14978.5	12915.1	8513.8	5212.9	3146.6	1840.5	1306.1	1120.3	1006.0	966.0	948.8
27.5°	16433.2	14212.6	8922.5	4927.1	2726.5	1629.0	1211.8	1026.0	934.5	903.1	877.4
30°	17687.8	15390.1	9119.7	4549.9	2389.2	1491.8	1228.9	1097.5	977.4	883.1	840.2
32.5°	18733.9	16293.2	9248.3	4206.9	2103.5	1220.3	971.7	848.8	794.5	760.2	731.6
35°	20042.8	17270.6	9171.2	4012.6	1957.7	1111.7	886.0	731.6	640.2	571.6	543.0
37.5°	21414.6	18248.0	9036.8	3852.5	1892.0	1031.7	843.1	694.5	594.5	523.0	485.9
40°	22835.0	19154.0	8879.6	3703.9	1831.9	980.3	817.4	663.0	563.0	485.9	445.8
42.5°	24135.4	20037.1	8816.8	3606.7	1734.8	988.9	797.4	648.8	531.6	451.6	417.3
45°	25187.1	20874.5	8902.5	3555.3	1629.0	974.6	803.1	631.6	505.9	428.7	394.4
47.5°	26310.3	22057.6	9179.7	3503.8	1526.1	906.0	846.0	628.7	494.4	414.4	377.2
50°	27616.4	23572.4	9814.2	3378.1	1400.4	831.7	900.3	625.9	480.1	397.3	360.1
52.5°	29356.8	25292.8	10468.7	3158.0	1217.5	760.2	860.2	617.3	451.6	377.2	340.1
55°	30920.1	27104.8	11023.1	2898.0	986.0	657.3	774.5	580.2	403.0	343.0	308.7
57.5°	31566.0	28127.9	11006.0	2537.9	788.8	577.3	637.3	531.6	351.5	302.9	274.4
59°	31328.8	27999.3	10637.3	2272.1	720.2	534.4	528.7	525.9	328.7	274.4	251.5
60°	30994.5	27530.6	10240.0	2140.6	677.3	505.9	485.9	520.1	308.7	257.2	234.4
62.5°	29714.1	25587.2	8922.5	1917.7	620.2	428.7	388.7	440.1	274.4	222.9	202.9
65°	27859.3	22600.7	7553.6	1854.8	603.0	354.4	322.9	314.4	234.4	188.6	171.5
67.5°	24241.1	19125.4	6118.9	1811.9	608.7	297.2	282.9	237.2	194.3	157.2	145.8
70°	19408.3	14912.8	5010.0	1763.4	614.5	242.9	237.2	188.6	157.2	131.5	120.0
72.5°	11791.9	8839.6	3944.0	1531.9	597.3	194.3	211.5	142.9	114.3	94.3	88.6
75°	7290.6	6050.3	2446.4	1191.8	394.4	142.9	148.6	88.6	77.2	60.0	60.0
77.5°	4224.0	3821.1	874.5	428.7	174.3	85.7	65.7	45.7	42.9	25.7	25.7
80°	1751.9	1403.3	302.9	145.8	94.3	40.0	14.3	2.9	0.0	0.0	0.0
82.5°	511.6	454.4	82.9	65.7	28.6	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°	12572.1	12572.1	12572.1	12572.1	12572.1	12572.1	12572.1	12572.1	12572.1	12572.1	12572.1
2.5°	10168.6	10074.3	10031.4	10177.2	10042.8	10214.3	10082.8	10140.0	10308.6	10382.9	10574.4
5°	7610.7	7513.5	7467.8	7687.9	7676.4	7785.1	7773.6	7873.6	7959.4	7767.9	7965.1
7.5°	5301.5	5235.8	5344.4	5515.8	5698.7	5638.7	5638.7	5504.4	5550.1	5521.6	5513.0
10°	4032.6	3806.8	3749.6	3743.9	3812.5	3826.8	3749.6	3563.9	3632.5	3652.5	3772.5
12.5°	3172.3	2998.0	2732.2	2612.2	2580.7	2606.4	2352.1	2189.2	2266.4	2220.6	2337.8
15°	2274.9	2132.0	1974.8	1840.5	1803.4	1751.9	1474.7	1280.4	1257.5	1266.1	1286.1
17.5°	1623.3	1526.1	1526.1	1383.2	1306.1	1151.8	1011.7	926.0	917.4	926.0	940.3
20°	1197.5	1146.0	1140.3	1103.2	1017.4	914.5	817.4	800.2	794.5	808.8	814.5
22.5°	1031.7	977.4	931.7	928.8	848.8	763.1	717.3	694.5	697.3	703.1	717.3
25°	923.1	866.0	817.4	788.8	731.6	671.6	628.7	617.3	617.3	625.9	628.7
27.5°	846.0	774.5	731.6	691.6	640.2	588.7	551.6	543.0	537.3	543.0	557.3
30°	791.7	720.2	665.9	605.9	565.9	517.3	485.9	474.4	471.6	474.4	485.9
32.5°	677.3	634.5	591.6	537.3	488.7	457.3	423.0	403.0	403.0	408.7	420.1
35°	511.6	488.7	485.9	471.6	431.6	397.3	357.2	337.2	337.2	348.7	354.4
37.5°	451.6	408.7	403.0	397.3	380.1	334.4	297.2	280.1	277.2	285.8	297.2
40°	411.5	363.0	337.2	331.5	334.4	282.9	242.9	225.8	225.8	228.6	240.1
42.5°	380.1	322.9	277.2	271.5	282.9	237.2	197.2	180.1	180.1	180.1	194.3
45°	354.4	288.7	234.4	205.8	222.9	194.3	160.0	142.9	137.2	142.9	148.6
47.5°	337.2	262.9	205.8	165.8	165.8	154.3	128.6	108.6	102.9	105.7	114.3
50°	322.9	240.1	174.3	134.3	120.0	122.9	97.2	82.9	77.2	77.2	85.7
52.5°	300.1	217.2	151.5	114.3	91.5	82.9	71.4	60.0	57.2	60.0	65.7
55°	271.5	197.2	131.5	94.3	71.4	57.2	51.4	42.9	40.0	42.9	51.4
57.5°	240.1	165.8	105.7	74.3	48.6	37.2	34.3	28.6	22.9	25.7	31.4
59°	220.1	148.6	91.5	60.0	37.2	25.7	25.7	20.0	14.3	17.1	25.7
60°	211.5	137.2	77.2	51.4	31.4	20.0	20.0	14.3	8.6	11.4	20.0
62.5°	180.1	114.3	60.0	31.4	14.3	2.9	8.6	2.9	0.0	2.9	8.6
65°	151.5	91.5	40.0	14.3	0.0	0.0	0.0	0.0	0.0	0.0	2.9
67.5°	125.7	68.6	20.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	100.0	45.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	68.6	25.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	42.9	8.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	17.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	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°	12572.1	12572.1	12572.1	12572.1	12572.1	12572.1	12572.1	12572.1	12572.1	12572.1
2.5°	10585.8	10994.5	11246.0	11720.4	12206.3	12580.7	13049.4	13469.5	13643.8	13735.3
5°	8165.2	8733.9	9216.9	9939.9	10611.6	11428.9	12257.7	13235.2	13609.6	13706.7
7.5°	5730.2	6310.4	6816.2	7653.6	8611.0	9705.6	10945.9	12186.3	12732.2	12886.5
10°	4138.3	4758.5	5375.8	6213.2	7107.7	8293.8	9585.6	11120.3	11749.0	11869.1
12.5°	2612.2	3278.1	4281.2	5315.8	6261.8	7216.3	8568.1	10237.2	10931.7	11151.7
15°	1514.7	2012.0	2769.4	4118.3	5321.5	6584.7	8059.4	9905.6	10683.0	10908.8
17.5°	1014.6	1186.0	1706.2	2737.9	4326.9	6001.7	7930.8	10177.2	11037.4	11326.0
20°	854.5	931.7	1114.6	1669.0	3332.4	5481.5	7965.1	10914.5	12043.4	12403.5
22.5°	751.6	823.1	940.3	1200.3	2326.4	4835.6	8128.0	11969.1	13426.6	13886.8
25°	663.0	734.5	837.4	994.6	1563.3	4089.7	8485.2	13512.4	15258.6	15764.4
27.5°	588.7	654.5	743.1	877.4	1203.2	3258.1	8802.5	15015.7	16930.5	17342.0
30°	520.1	574.4	660.2	763.1	1000.3	2512.1	8962.5	16330.3	18148.0	18605.2
32.5°	451.6	503.0	585.9	668.8	823.1	1914.8	8851.1	17296.3	19331.2	19622.7
35°	385.8	440.1	508.7	585.9	711.6	1546.2	8293.8	18382.3	20557.2	20785.9
37.5°	331.5	377.2	448.7	508.7	643.0	1237.5	7619.3	19359.7	21931.9	22260.6
40°	280.1	325.8	397.3	451.6	591.6	974.6	7010.5	20445.8	23380.9	23786.7
42.5°	228.6	282.9	345.8	434.4	508.7	743.1	6273.2	21326.0	24469.8	24978.5
45°	182.9	242.9	311.5	431.6	443.0	565.9	5561.6	22011.9	25432.9	25890.2
47.5°	145.8	205.8	300.1	403.0	363.0	448.7	5155.7	22729.3	26233.1	26598.9
50°	117.2	171.5	314.4	354.4	302.9	380.1	5144.3	23529.5	26647.5	26890.4
52.5°	94.3	140.0	265.8	271.5	257.2	334.4	5453.0	24429.7	27070.5	27270.5
55°	80.0	117.2	174.3	200.1	231.5	302.9	5684.5	25815.8	28079.3	28268.0
57.5°	62.9	100.0	134.3	160.0	205.8	277.2	5715.9	26884.7	29356.8	29479.7
59°	54.3	85.7	120.0	142.9	188.6	260.1	5587.3	26950.5	29439.7	29636.9
60°	45.7	77.2	105.7	134.3	174.3	245.8	5447.2	26473.2	29131.1	29351.1
62.5°	34.3	60.0	77.2	108.6	142.9	211.5	4784.2	24807.0	27950.7	28105.1
65°	22.9	42.9	57.2	80.0	111.5	182.9	3898.2	22646.4	26127.4	26473.2
67.5°	14.3	31.4	45.7	60.0	91.5	154.3	2777.9	19419.8	23575.2	23798.1
70°	8.6	20.0	34.3	48.6	71.4	122.9	1649.0	15350.0	19614.1	19659.8
72.5°	5.7	14.3	22.9	34.3	57.2	111.5	800.2	10005.7	14321.2	14867.0
75°	2.9	8.6	14.3	25.7	45.7	91.5	383.0	6684.7	10420.1	10577.3
77.5°	0.0	2.9	8.6	17.1	34.3	71.4	222.9	4389.8	7104.9	7267.8
80°	0.0	0.0	5.7	14.3	25.7	45.7	134.3	2589.3	4304.1	4384.1
82.5°	0.0	0.0	2.9	11.4	17.1	34.3	68.6	1137.5	2817.9	2846.5
85°	0.0	0.0	2.9	11.4	14.3	22.9	25.7	154.3	1251.8	1274.6
87.5°	0.0	0.0	2.9	14.3	14.3	14.3	14.3	8.6	105.7	131.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)