

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: P450240

Luminaire Tested: **GLAN-SA1A-730-U-T3-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450240
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-13)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1A-730-U-T3-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3094 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B0 - U0 - G1

Input Watts (W): 33
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

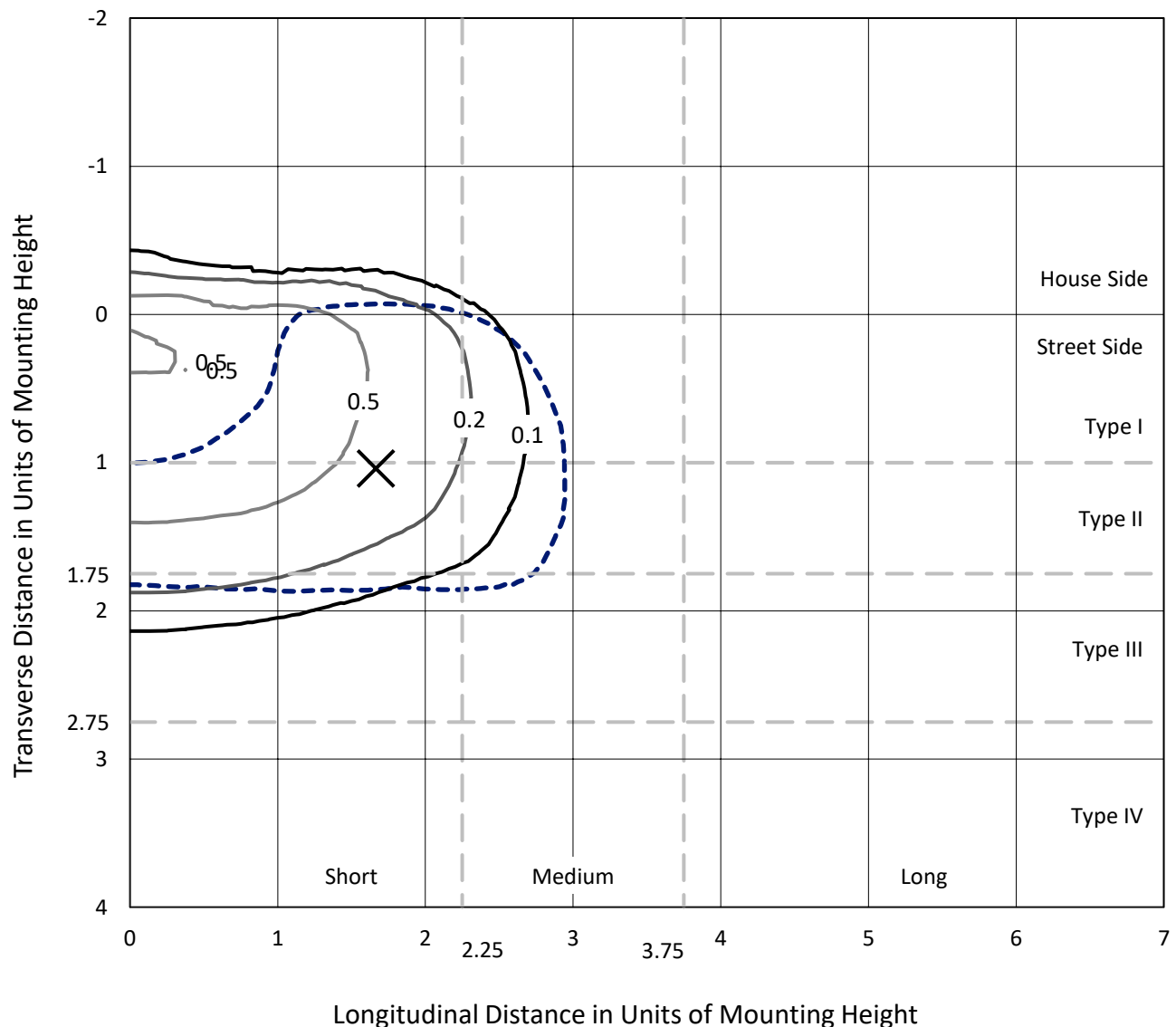


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Iso-Footcandle Lines of Horizontal Illumination

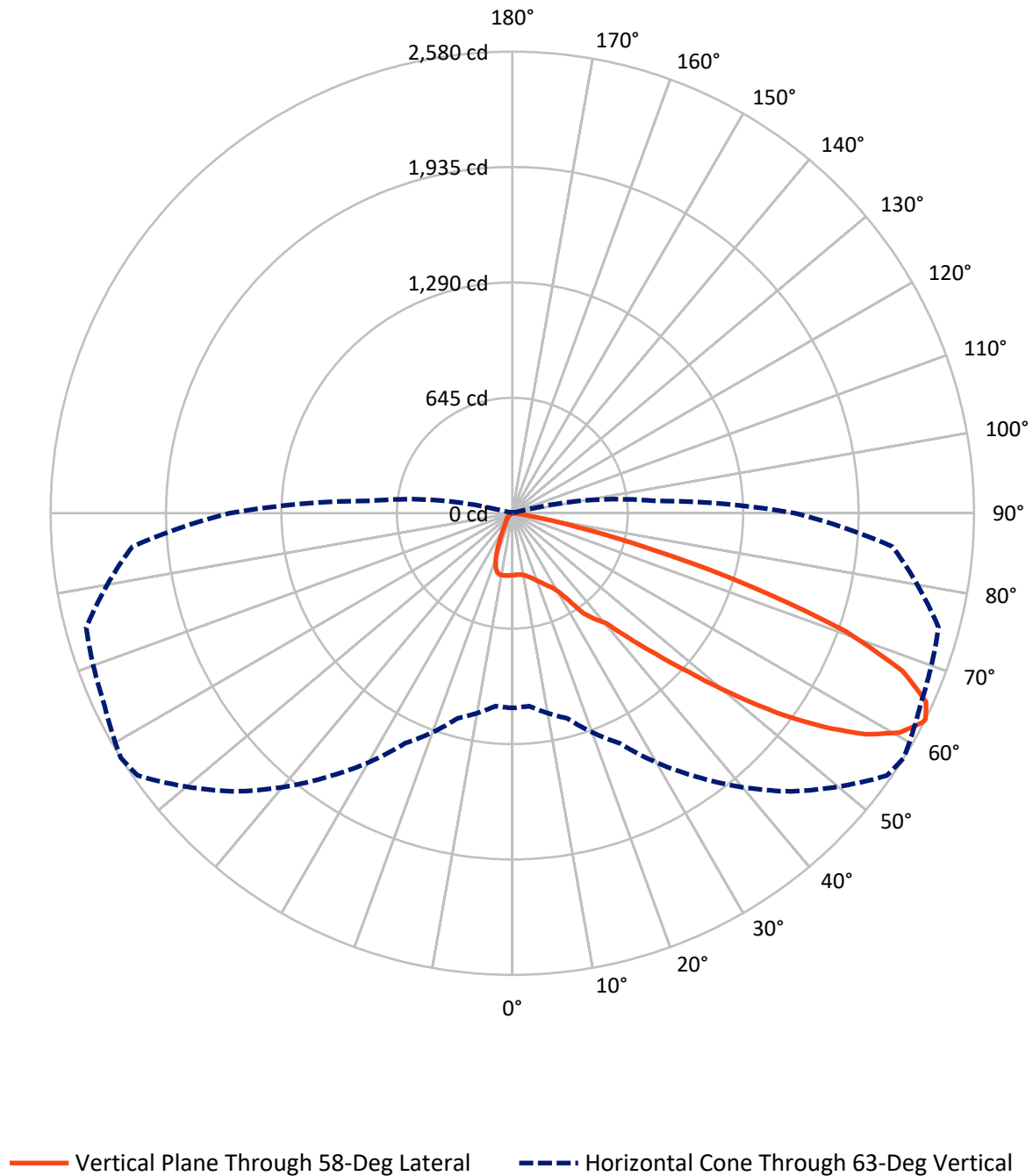
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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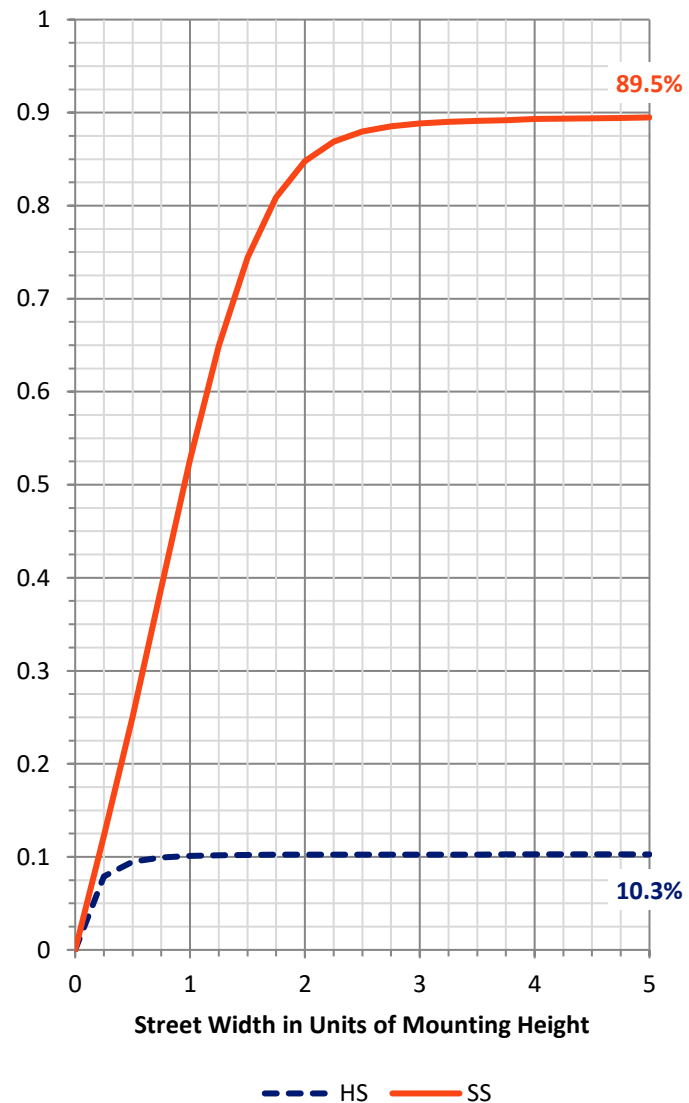
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	320.4	0.0	320.4
	% Fixture	10.4	0.0	10.4
Street Side	Lumens	2773.6	0.0	2773.6
	% Fixture	89.6	0.0	89.6
Total	Lumens	3094.0	0.0	3094.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.4	1.0
10°-20°	88.3	2.9
20°-30°	153.3	5.0
30°-40°	281.7	9.1
40°-50°	530.2	17.1
50°-60°	906.9	29.3
60°-70°	868.4	28.1
70°-80°	221.4	7.2
80°-90°	11.3	0.4
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°	3094.0	100.0
0°-180°	3094.0	100.0

Coefficient of Utilization



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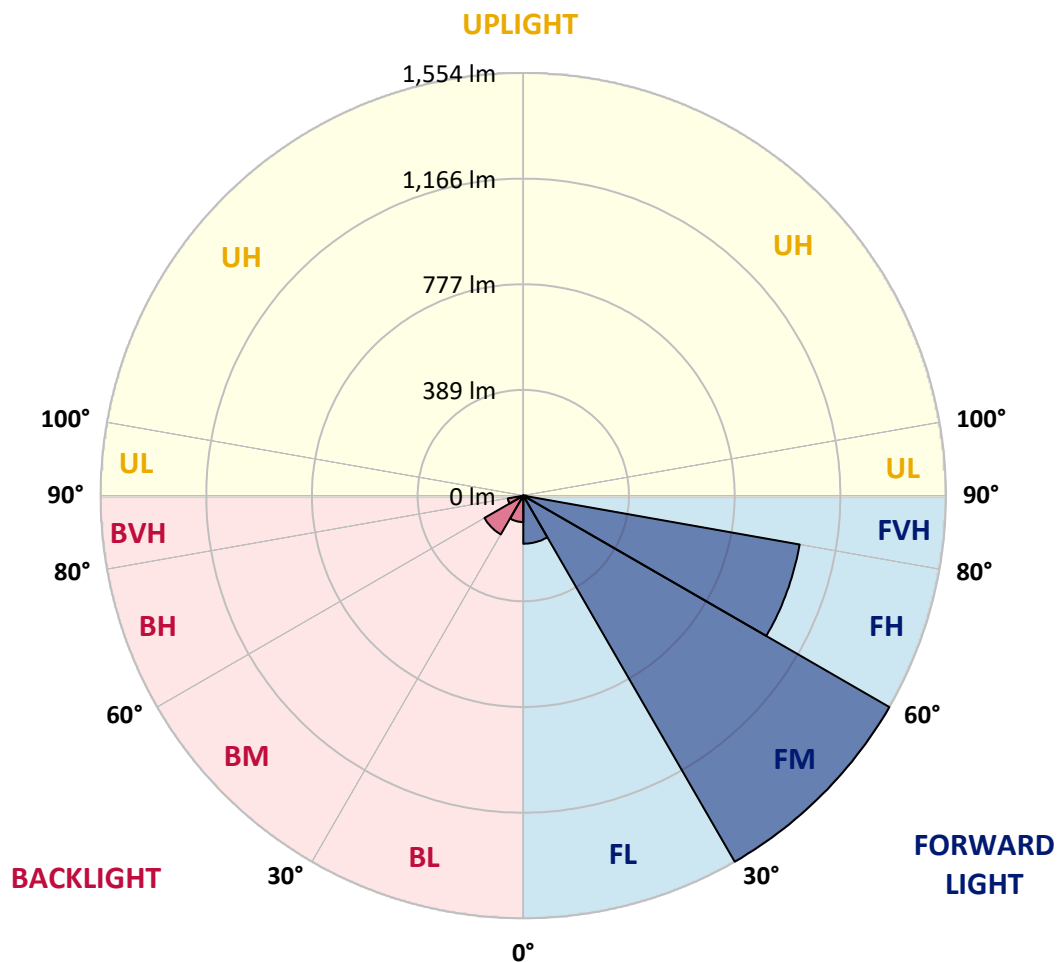
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	176.9	5.7			
FM	(30°-60°)	1554.1	50.2			
FH	(60°-80°)	1031.8	33.3			G1/1800
FVH	(80°-90°)	10.9	0.4			G1/100
BL	(0°-30°)	97.2	3.1	B0/110		
BM	(30°-60°)	164.8	5.3	B0/220		
BH	(60°-80°)	58.0	1.9	B0/110		G0/110
BVH	(80°-90°)	0.4	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	346.4	346.4	346.4	346.4	346.4	346.4	346.4	346.4	346.4	346.4	346.4
2.5°	337.8	338.9	340.1	340.6	342.2	343.8	345.0	344.8	346.6	347.5	347.5
5°	324.3	324.3	327.3	330.1	334.7	339.4	343.8	344.8	348.2	351.5	352.7
7.5°	312.8	313.5	315.9	321.0	327.3	335.4	344.3	346.4	352.4	359.7	362.7
10°	307.5	307.9	311.0	316.3	324.3	335.4	347.8	351.7	361.1	372.5	376.7
12.5°	306.3	307.0	310.0	316.1	325.2	338.7	355.5	359.7	373.2	387.8	394.1
15°	308.4	308.9	311.9	318.4	328.4	344.5	365.7	371.5	387.6	404.6	412.8
17.5°	315.9	315.4	317.5	322.9	334.0	351.7	378.1	385.1	403.9	427.2	432.6
20°	347.5	344.5	342.7	338.0	342.4	362.0	393.0	403.2	426.5	450.3	454.0
22.5°	415.8	409.0	395.8	377.6	363.6	376.0	410.9	422.8	452.8	476.1	476.1
25°	502.7	494.1	480.8	441.2	407.0	399.0	431.2	446.1	481.5	505.0	497.3
27.5°	611.5	604.7	578.9	532.7	480.3	439.3	454.7	468.4	506.9	535.3	519.2
30°	700.0	696.7	675.5	634.3	576.5	516.7	498.5	507.6	540.7	573.5	557.0
32.5°	774.8	774.8	753.1	714.7	660.6	607.5	572.8	579.3	611.0	649.0	618.2
35°	857.0	854.2	836.7	800.2	739.6	692.8	678.6	687.4	716.1	744.3	668.5
37.5°	943.4	942.5	924.3	888.9	839.5	780.6	747.3	749.6	764.3	781.5	727.5
40°	1037.3	1038.7	1014.9	993.0	946.4	886.1	822.3	807.6	821.4	870.0	836.3
42.5°	1148.2	1144.9	1134.7	1104.8	1067.3	1031.2	954.6	949.2	961.4	1013.5	977.0
45°	1277.0	1281.6	1263.9	1247.4	1222.2	1192.2	1128.1	1118.8	1132.1	1213.2	1161.2
47.5°	1406.0	1401.6	1413.0	1410.0	1423.5	1401.1	1344.5	1325.4	1357.4	1434.2	1357.8
50°	1504.3	1509.2	1533.0	1567.7	1625.7	1638.3	1584.0	1577.5	1591.7	1641.1	1533.7
52.5°	1568.2	1584.5	1621.7	1711.0	1815.6	1896.8	1855.6	1852.1	1846.3	1859.6	1701.9
55°	1609.9	1626.4	1675.1	1806.5	1986.5	2118.6	2120.7	2105.8	2067.4	2057.8	1859.1
57.5°	1584.2	1587.5	1656.9	1832.6	2081.3	2276.8	2345.3	2330.4	2259.3	2223.2	1997.9
60°	1424.0	1430.7	1527.4	1733.8	2040.1	2328.5	2494.1	2487.4	2409.6	2368.8	2106.0
62.5°	1140.0	1159.6	1259.1	1489.2	1848.4	2241.4	2554.4	2573.5	2513.0	2456.8	2140.0
63°	1087.8	1081.6	1186.6	1417.9	1797.6	2198.3	2555.4	2579.6	2517.6	2465.2	2130.7
65°	805.3	824.2	892.4	1118.1	1496.0	1997.7	2497.8	2540.7	2500.4	2428.2	2027.5
67.5°	452.1	451.2	526.7	731.7	1047.1	1567.0	2258.6	2349.2	2340.8	2178.9	1680.7
70°	221.3	224.8	255.8	379.2	607.3	1081.1	1876.8	1974.7	1977.7	1711.4	1162.1
72.5°	100.2	101.8	123.9	184.7	312.1	575.6	1293.3	1386.7	1369.5	1090.6	641.8
75°	52.9	56.4	68.3	92.9	150.5	237.4	703.5	793.9	757.8	498.3	236.2
77.5°	39.1	40.3	46.4	59.2	80.6	92.5	303.5	361.1	338.2	180.3	78.3
80°	28.7	29.6	34.5	41.9	50.8	47.1	114.4	131.1	117.6	61.3	24.0
82.5°	17.5	17.7	25.2	31.2	31.9	26.3	37.7	40.5	42.4	34.5	13.0
85°	6.3	7.9	17.0	22.6	18.9	13.3	15.8	17.5	19.1	21.9	7.7
87.5°	0.7	0.9	8.2	10.9	5.4	4.9	5.8	6.5	7.0	8.2	3.7
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°	346.4	346.4	346.4	346.4	346.4	346.4	346.4	346.4	346.4	346.4	346.4
2.5°	348.5	349.4	348.7	347.5	347.3	346.6	345.2	345.2	345.2	345.7	345.2
5°	353.6	354.3	352.7	350.3	347.8	344.5	341.0	338.9	338.7	338.2	337.1
7.5°	363.4	364.3	360.6	355.0	348.0	340.1	332.6	325.7	322.4	319.8	319.8
10°	377.6	378.5	371.1	361.1	347.1	331.0	313.3	297.2	284.7	278.8	277.4
12.5°	394.6	395.1	382.7	365.3	342.2	311.2	273.5	238.3	213.8	202.7	201.5
15°	413.2	410.0	393.7	366.9	328.2	270.4	205.2	162.1	136.7	129.3	132.1
17.5°	432.1	426.1	402.1	364.3	296.8	205.2	137.9	110.6	102.7	100.6	100.6
20°	449.8	441.4	408.1	353.1	242.3	141.4	102.3	95.7	94.3	92.9	93.2
22.5°	467.5	454.7	413.5	328.2	180.5	101.1	91.5	89.4	87.6	85.7	85.5
25°	484.8	467.0	415.6	282.1	123.0	86.9	83.6	80.8	77.1	75.0	74.5
27.5°	502.7	482.0	414.2	223.9	89.7	77.8	74.5	70.6	66.2	62.4	62.4
30°	537.2	510.4	409.3	161.0	75.5	68.5	64.3	58.0	53.1	49.4	49.2
32.5°	584.2	547.4	392.5	113.2	67.1	60.3	54.0	47.1	41.9	39.1	39.1
35°	626.1	584.7	361.1	83.4	60.3	52.4	44.7	38.0	34.0	32.1	31.4
37.5°	690.0	639.2	317.7	67.8	53.8	45.4	37.5	31.2	28.0	26.6	26.6
40°	785.7	705.8	264.6	59.4	47.5	38.7	31.2	26.3	23.8	22.1	22.1
42.5°	904.5	787.3	210.8	53.3	41.7	33.3	26.1	22.4	20.0	18.9	18.6
45°	1054.1	873.3	162.4	47.8	37.0	28.4	22.1	18.9	16.5	15.8	16.1
47.5°	1210.1	949.0	125.8	42.9	32.1	24.0	18.9	16.3	14.7	13.7	13.7
50°	1343.4	1001.2	95.5	37.3	28.4	20.3	16.5	14.7	13.3	12.8	12.6
52.5°	1454.7	1016.3	73.1	32.4	24.9	17.5	14.7	13.3	12.1	11.4	11.4
55°	1549.5	1003.0	57.3	27.3	21.0	15.1	13.0	11.9	10.5	9.8	9.6
57.5°	1605.0	960.4	43.8	22.6	17.0	12.6	11.4	10.0	8.4	7.2	7.2
60°	1632.9	898.5	33.5	18.6	13.0	10.0	9.3	7.5	5.8	4.9	4.7
62.5°	1599.4	816.2	25.4	14.7	9.8	7.5	6.3	5.4	3.7	2.8	2.8
63°	1578.7	792.5	24.5	14.0	9.1	7.0	5.8	4.9	3.3	2.6	2.3
65°	1439.1	688.8	20.0	11.2	7.2	4.9	4.0	3.5	2.3	1.2	0.9
67.5°	1142.8	526.9	15.8	8.4	5.1	3.5	2.3	2.1	0.7	0.0	0.0
70°	772.7	340.3	12.3	6.1	3.5	2.1	1.2	0.9	0.2	0.0	0.0
72.5°	403.0	174.5	9.6	4.4	2.1	1.4	0.7	0.2	0.0	0.0	0.0
75°	142.6	59.4	7.0	2.8	1.4	0.7	0.2	0.0	0.0	0.0	0.0
77.5°	43.1	22.1	4.4	2.1	0.9	0.5	0.0	0.0	0.0	0.0	0.0
80°	15.1	8.2	2.6	1.4	0.7	0.2	0.0	0.0	0.0	0.0	0.0
82.5°	7.5	4.0	1.6	1.2	0.7	0.2	0.0	0.0	0.0	0.0	0.0
85°	4.2	2.6	1.4	1.2	0.7	0.5	0.0	0.0	0.0	0.0	0.0
87.5°	3.0	1.9	1.4	1.2	0.9	0.5	0.2	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

(END OF REPORT)