

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: P526450

Luminaire Tested: **GLAN-SA1B-827-U-T3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-16)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA1B-827-U-T3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III OPTICS
WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3608 lumens
Efficiency: N/A
Efficacy: 82.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

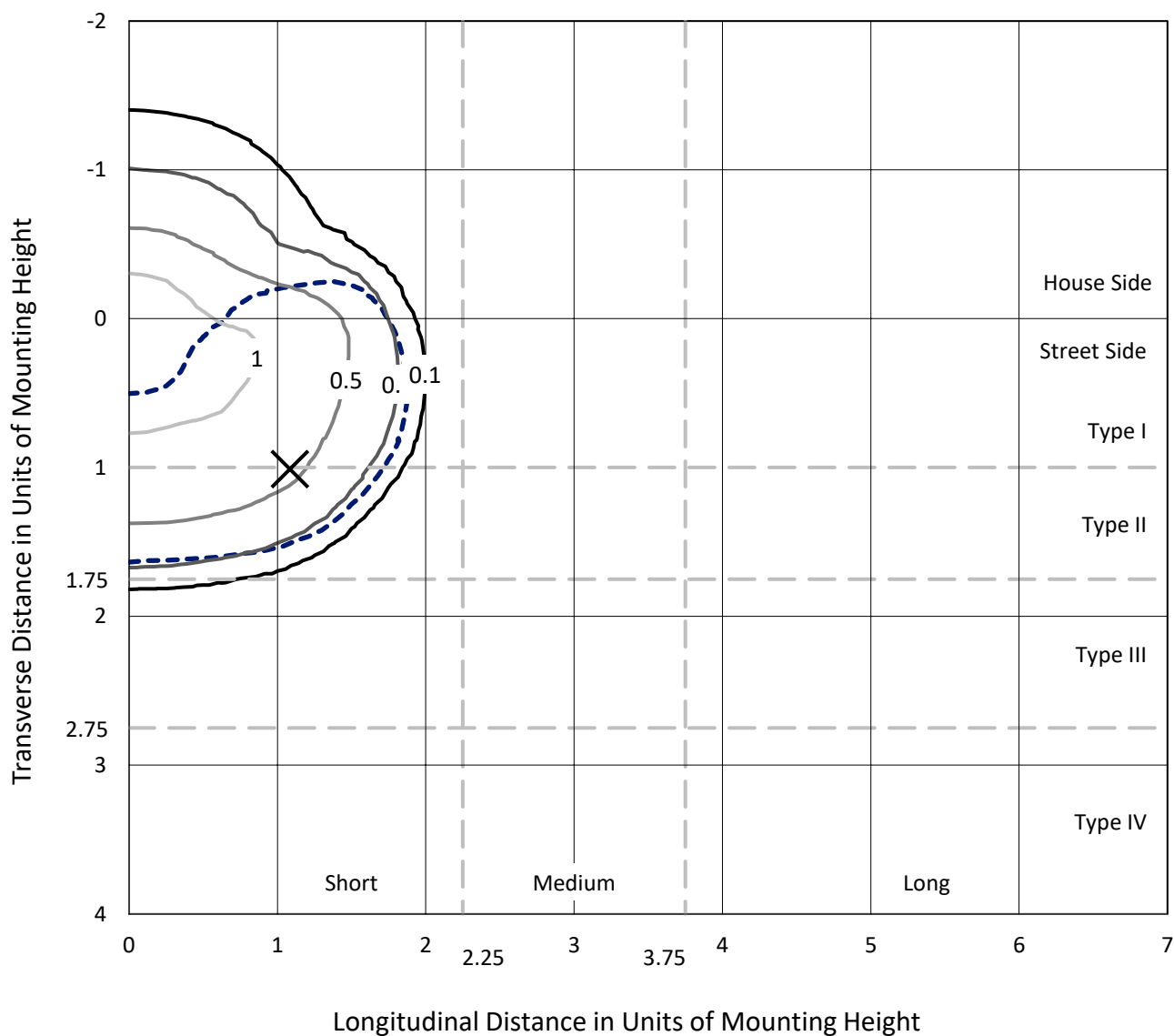
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

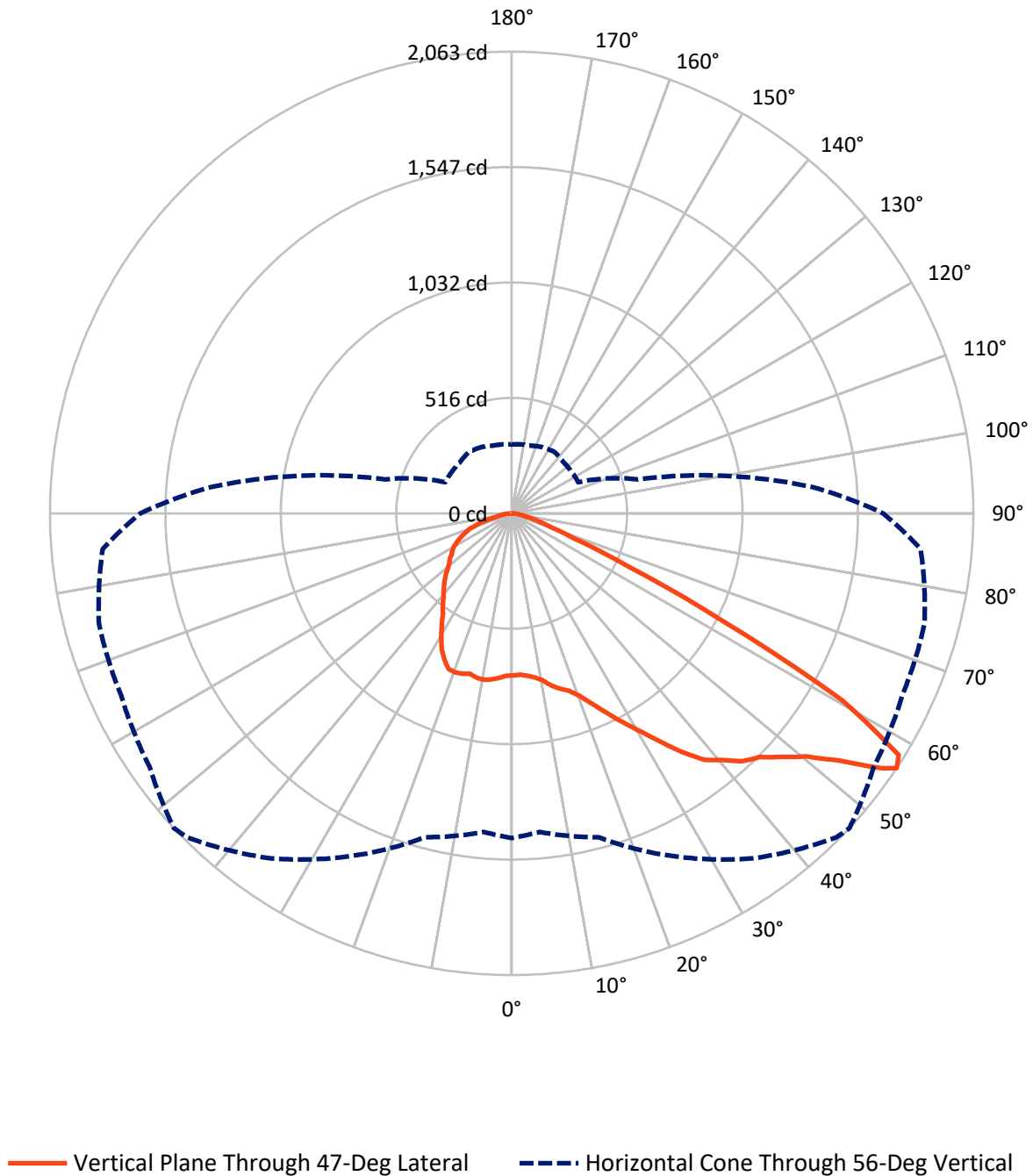
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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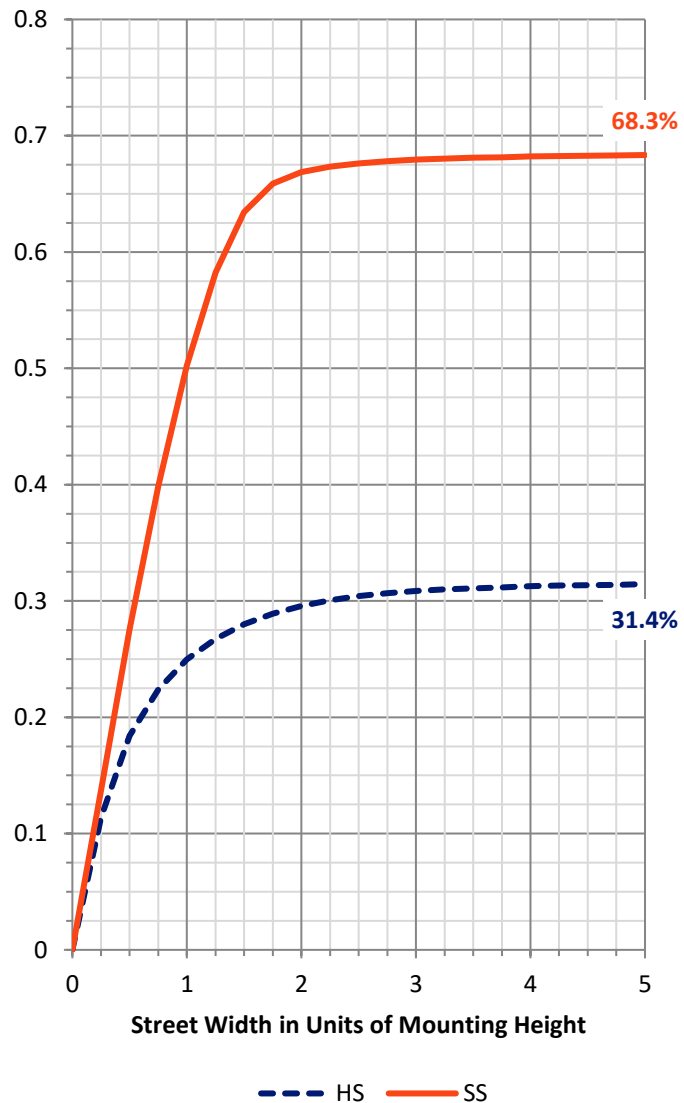
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1143.3	0.0	1143.3
	% Fixture	31.7	0.0	31.7
Street Side	Lumens	2464.7	0.0	2464.7
	% Fixture	68.3	0.0	68.3
Total	Lumens	3608.0	0.0	3608.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.6	2.0
10°-20°	222.8	6.2
20°-30°	393.8	10.9
30°-40°	591.4	16.4
40°-50°	811.7	22.5
50°-60°	967.0	26.8
60°-70°	413.8	11.5
70°-80°	117.1	3.2
80°-90°	19.7	0.5
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°	3608.0	100.0
0°-180°	3608.0	100.0

Coefficient of Utilization



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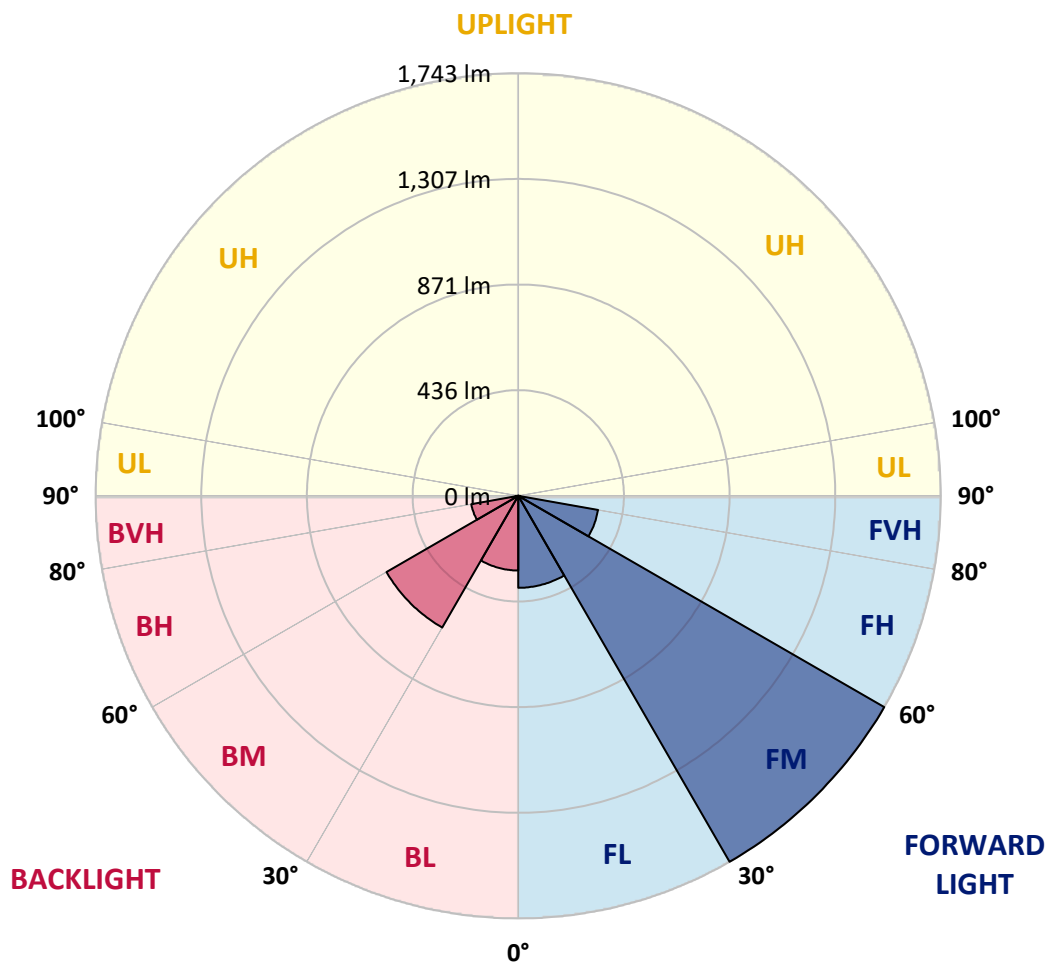
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	379.3	10.5			
FM	(30°-60°)	1742.7	48.3			
FH	(60°-80°)	334.2	9.3			G0/660
FVH	(80°-90°)	8.4	0.2			G0/10
BL	(0°-30°)	307.8	8.5	B1/500		
BM	(30°-60°)	627.4	17.4	B1/1000		
BH	(60°-80°)	196.7	5.5	B1/500		G1/500
BVH	(80°-90°)	11.3	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	724.7	724.7	724.7	724.7	724.7	724.7	724.7	724.7	724.7	724.7	724.7
2.5°	722.0	720.6	719.7	727.0	724.3	724.7	722.0	724.7	726.6	722.4	728.4
5°	720.6	724.7	721.1	723.4	729.3	727.5	729.3	734.9	733.5	732.1	730.3
7.5°	733.5	733.9	736.7	737.6	739.5	737.6	740.4	745.4	744.1	736.2	737.2
10°	751.9	752.8	753.3	758.3	761.5	762.0	758.8	754.2	753.7	764.3	756.9
12.5°	773.1	770.8	776.3	778.1	781.8	785.9	790.1	780.4	786.4	786.9	778.1
15°	803.9	806.2	799.7	799.7	801.1	801.6	813.1	808.5	807.6	802.5	806.2
17.5°	849.9	834.3	833.8	827.4	826.4	830.1	834.3	837.9	850.4	840.2	820.4
20°	883.5	887.2	873.8	866.0	867.4	875.7	871.5	888.1	896.8	880.3	860.9
22.5°	942.8	930.4	933.6	916.2	917.5	926.3	925.8	942.8	947.9	921.7	893.6
25°	982.9	979.7	982.4	968.6	970.5	977.4	988.4	1016.5	1008.2	979.2	914.3
27.5°	1041.3	1034.9	1032.6	1027.5	1025.7	1044.1	1057.0	1086.9	1080.9	1038.6	951.1
30°	1101.1	1097.0	1099.3	1078.6	1086.0	1125.1	1128.8	1169.7	1166.9	1092.4	992.1
32.5°	1142.6	1144.9	1149.0	1137.5	1170.2	1201.5	1213.9	1260.4	1262.7	1184.9	1071.2
35°	1209.3	1201.5	1203.8	1217.1	1232.3	1289.3	1309.6	1340.4	1359.7	1282.0	1147.2
37.5°	1251.2	1259.4	1249.8	1270.9	1310.5	1379.1	1397.5	1429.2	1449.5	1377.7	1250.7
40°	1316.5	1303.1	1310.0	1325.2	1365.7	1455.0	1449.9	1482.6	1489.0	1459.1	1347.3
42.5°	1386.9	1380.5	1370.8	1405.3	1439.4	1504.2	1514.4	1499.2	1531.8	1538.7	1485.4
45°	1471.1	1478.9	1480.3	1481.2	1511.1	1567.7	1553.9	1540.6	1578.3	1628.5	1571.0
47.5°	1549.3	1524.5	1542.4	1567.3	1609.6	1610.1	1626.2	1594.4	1634.5	1679.1	1648.3
50°	1575.6	1563.6	1587.5	1634.5	1699.8	1706.7	1708.5	1663.4	1684.2	1719.6	1674.9
52.5°	1565.4	1561.3	1622.5	1695.2	1790.9	1825.9	1835.1	1779.4	1790.9	1774.8	1733.8
55°	1517.1	1529.5	1591.2	1739.4	1886.2	1994.3	2011.8	1941.4	1868.2	1880.6	1835.5
56°	1450.9	1429.2	1498.3	1689.2	1882.0	2049.1	2063.3	1975.4	1925.7	1909.6	1834.6
57.5°	1230.9	1202.8	1293.5	1519.9	1777.6	2028.3	2038.9	1989.7	1916.1	1883.4	1700.7
60°	720.6	734.4	849.4	1048.2	1371.2	1663.0	1698.4	1734.3	1685.1	1538.7	1265.9
62.5°	347.9	339.1	421.5	601.0	835.6	1061.6	1051.0	1151.8	1207.0	1093.3	799.3
65°	182.2	181.3	230.1	328.1	459.2	557.7	567.4	621.7	697.6	563.2	405.9
67.5°	133.9	137.6	162.0	230.5	295.4	301.4	300.0	327.2	334.5	283.0	249.4
70°	104.9	106.8	124.7	175.3	220.0	196.9	192.8	196.0	217.7	226.9	215.8
72.5°	75.9	77.8	93.0	118.3	137.6	134.4	137.1	155.1	181.8	191.4	179.9
75°	50.6	52.0	60.3	72.2	81.4	87.9	93.0	113.7	138.5	144.0	138.5
77.5°	35.0	36.4	41.9	51.1	52.0	56.1	58.0	67.6	82.8	89.7	86.0
80°	19.8	19.8	22.5	26.2	32.2	37.7	38.7	46.5	53.4	58.0	58.9
82.5°	9.2	9.7	12.0	16.1	21.2	26.2	27.1	32.2	37.3	41.9	43.3
85°	4.6	5.1	6.9	9.7	12.9	15.6	15.2	15.6	16.6	15.6	16.1
87.5°	1.4	1.4	1.8	2.3	1.8	2.3	2.3	2.8	3.2	3.7	4.1
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	724.7	724.7	724.7	724.7	724.7	724.7	724.7	724.7	724.7	724.7	724.7
2.5°	728.9	730.3	721.1	729.8	726.6	726.1	732.6	731.6	733.9	733.0	727.5
5°	729.3	726.1	735.8	727.0	731.2	739.9	733.9	747.7	740.8	745.4	735.3
7.5°	743.6	744.5	742.7	746.4	744.5	748.7	745.4	748.7	743.1	743.6	752.8
10°	756.0	753.3	756.5	751.9	755.1	753.7	746.4	744.1	745.9	743.6	749.6
12.5°	779.0	774.0	771.7	766.2	762.5	748.7	737.2	730.7	739.5	740.8	738.1
15°	802.5	803.0	792.4	780.0	756.9	736.2	739.0	741.3	741.3	745.0	738.1
17.5°	817.2	817.2	807.6	782.7	759.2	747.3	744.5	737.2	730.7	729.8	729.3
20°	843.0	835.2	813.1	782.3	758.3	752.8	732.1	714.6	701.3	696.7	696.2
22.5°	872.4	852.7	821.8	783.2	756.9	749.1	710.5	684.2	660.3	650.2	651.6
25°	899.6	867.8	826.9	779.0	751.9	714.2	670.9	634.5	609.7	601.4	597.3
27.5°	918.5	883.9	826.9	782.7	733.0	675.0	630.9	584.4	562.8	557.2	558.2
30°	943.8	904.2	841.2	774.9	695.3	624.4	571.5	541.1	528.3	523.7	526.9
32.5°	1003.1	957.1	860.9	756.0	650.7	573.8	531.0	514.0	495.1	485.9	482.7
35°	1067.5	1007.3	880.3	724.3	600.5	527.8	501.1	485.5	462.9	452.8	454.6
37.5°	1158.7	1071.7	881.6	671.8	546.2	502.0	477.6	453.2	434.8	419.2	414.6
40°	1281.5	1159.6	878.4	616.6	502.5	471.7	453.7	423.3	402.6	391.6	393.9
42.5°	1389.7	1262.7	865.1	554.0	462.9	450.9	430.7	400.8	380.5	369.0	368.1
45°	1480.8	1338.6	839.8	500.6	429.8	427.9	404.5	381.5	365.4	354.8	359.4
47.5°	1565.0	1399.8	801.6	447.3	399.4	403.1	380.5	366.3	356.2	346.5	346.0
50°	1595.3	1398.9	768.0	403.1	375.0	373.2	372.3	357.1	346.5	338.2	341.9
52.5°	1646.0	1414.5	731.6	372.7	352.9	353.4	356.6	345.6	333.6	328.5	333.1
55°	1718.7	1416.8	651.6	337.3	334.5	337.8	337.8	330.4	320.3	316.1	313.8
56°	1659.3	1348.2	584.4	328.1	325.3	325.3	334.1	325.8	313.4	310.1	307.4
57.5°	1530.5	1181.2	489.1	317.0	312.9	319.3	323.9	315.2	303.7	299.1	301.9
60°	1055.6	799.3	367.7	293.1	293.1	303.7	307.4	294.5	289.4	289.0	285.3
62.5°	616.1	465.7	287.6	271.5	272.4	281.2	283.9	276.6	270.1	277.9	281.6
65°	326.7	277.9	246.6	248.5	248.9	255.8	267.8	267.3	266.9	269.2	269.6
67.5°	236.5	231.0	224.1	222.3	223.2	228.2	240.2	249.4	248.9	243.4	239.3
70°	210.7	202.9	198.8	199.2	195.6	201.5	211.2	217.2	206.6	200.2	197.4
72.5°	175.3	173.0	170.3	170.7	163.4	162.0	150.9	150.9	148.2	146.3	149.5
75°	133.9	133.0	134.4	132.1	124.2	116.0	109.5	103.5	94.3	90.6	88.8
77.5°	84.7	87.4	90.6	85.6	82.4	76.4	69.9	64.0	56.6	52.5	52.5
80°	57.5	59.8	62.1	61.2	57.5	52.0	46.9	40.5	35.4	32.2	31.8
82.5°	43.7	45.6	48.8	45.1	41.4	36.8	32.7	28.1	23.5	19.8	19.8
85°	15.6	17.9	19.8	21.6	23.0	23.5	20.2	16.6	13.3	10.6	10.1
87.5°	4.1	4.6	5.1	4.6	4.6	4.6	5.1	4.6	4.1	3.2	3.2
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)