Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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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: P938862

Luminaire Tested: **GLAN-SB1A-940-U-SL4**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P938862
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-9)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SB1A-940-U-SL4
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(1) 90 CRI, 4000K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	3223 lumens
Efficiency:	N/A
Efficacy:	104.3 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Medium
BUG Rating:	B1 - U0 - G1

Input Watts (W):	30.9
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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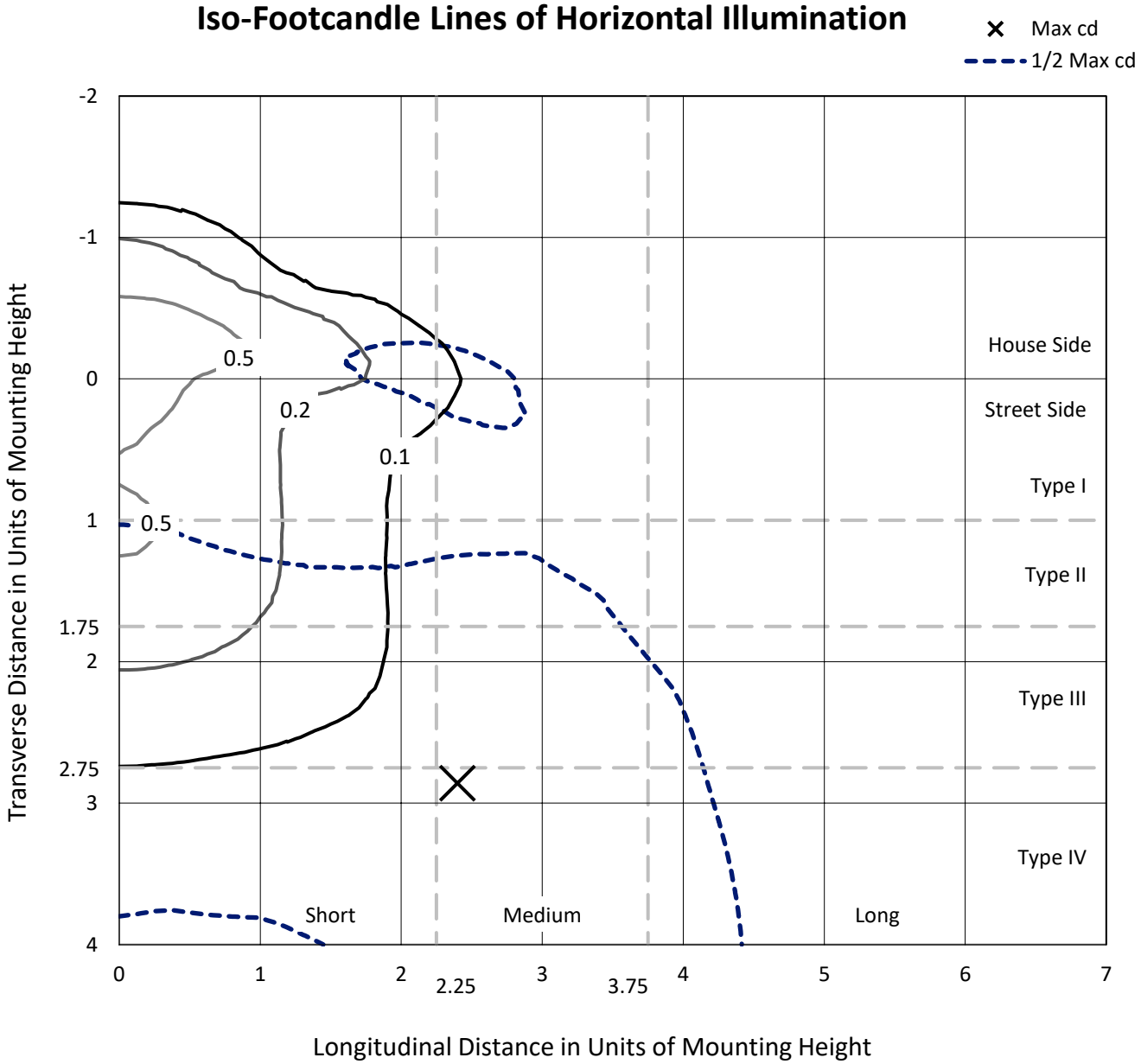
Iso-Footcandle Lines of Horizontal Illumination



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

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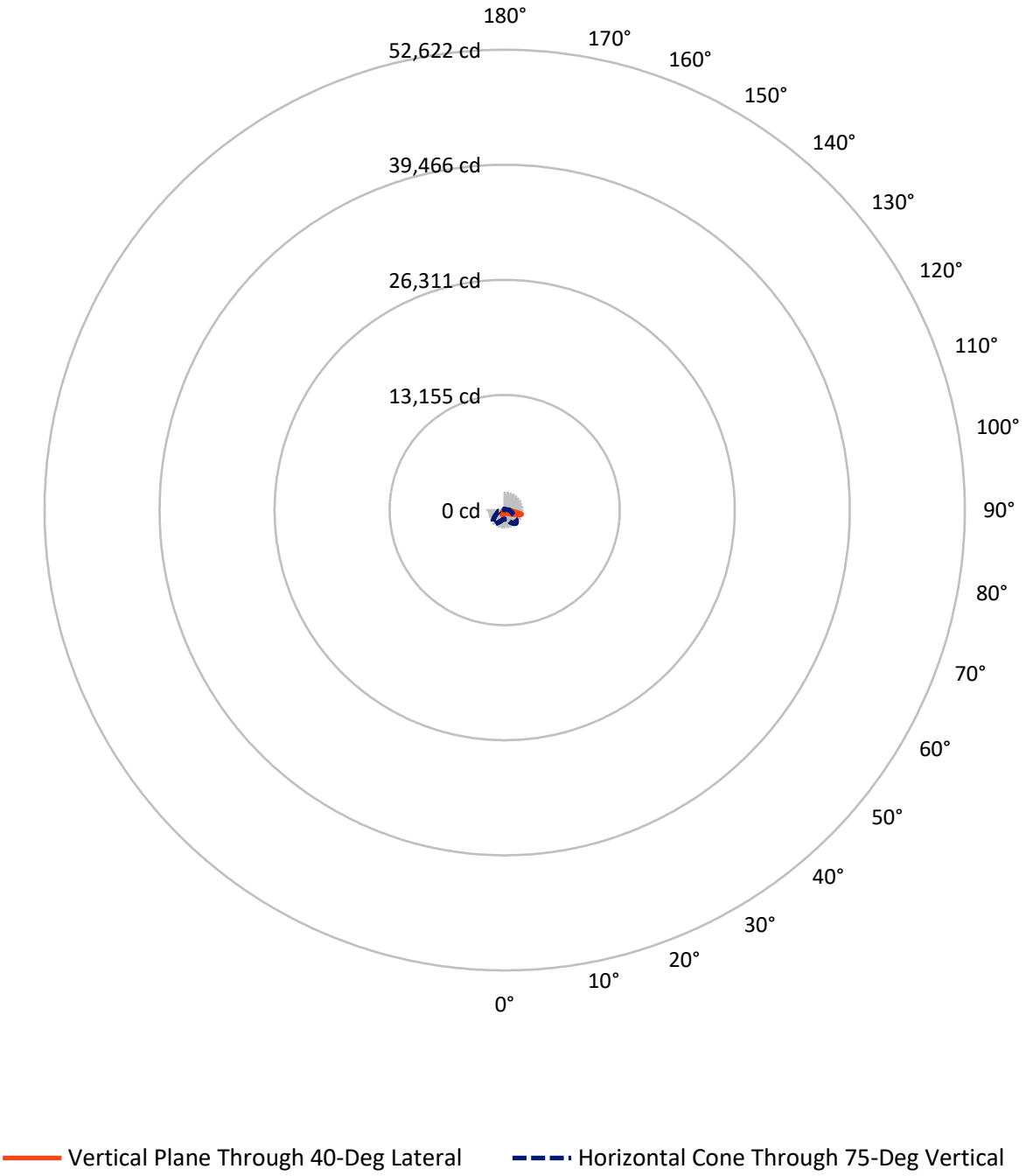
Luminous Intensity Polar Plot



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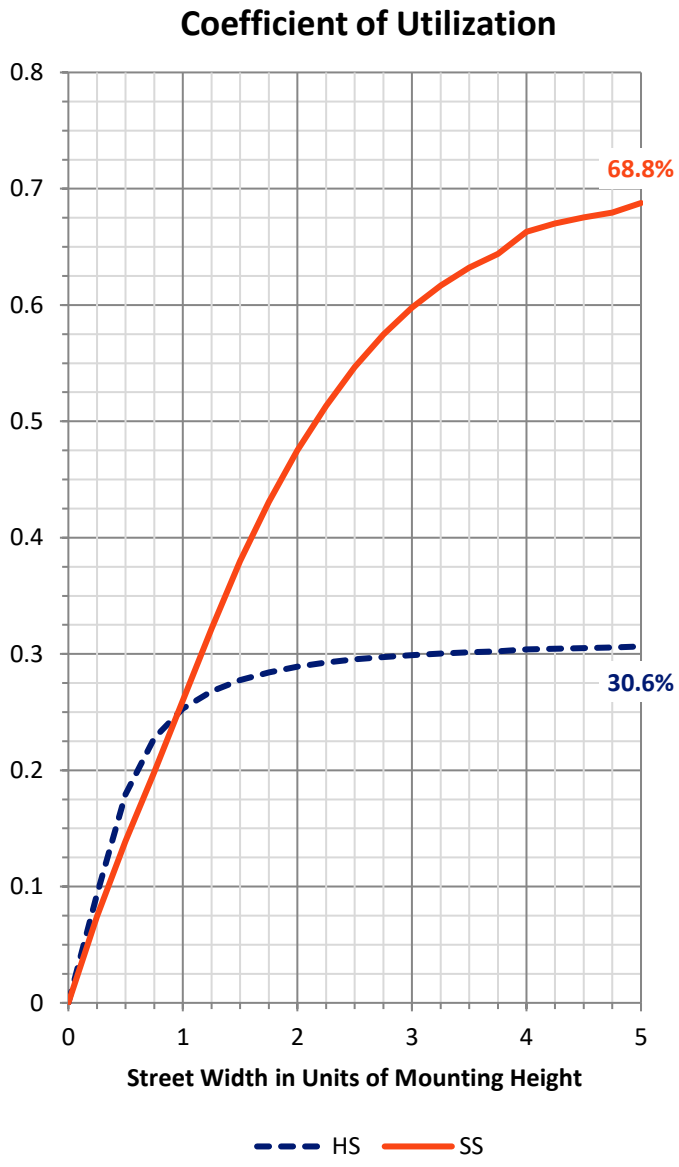
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	998.6	0.0	998.6
	% Fixture	31.0	0.0	31.0
Street Side	Lumens	2224.4	0.0	2224.4
	% Fixture	69.0	0.0	69.0
Total	Lumens	3223.0	0.0	3223.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	36.8	1.1
10°-20°	123.5	3.8
20°-30°	225.5	7.0
30°-40°	319.9	9.9
40°-50°	431.9	13.4
50°-60°	581.0	18.0
60°-70°	737.5	22.9
70°-80°	669.3	20.8
80°-90°	97.6	3.0
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°	3223.0	100.0
0°-180°	3223.0	100.0



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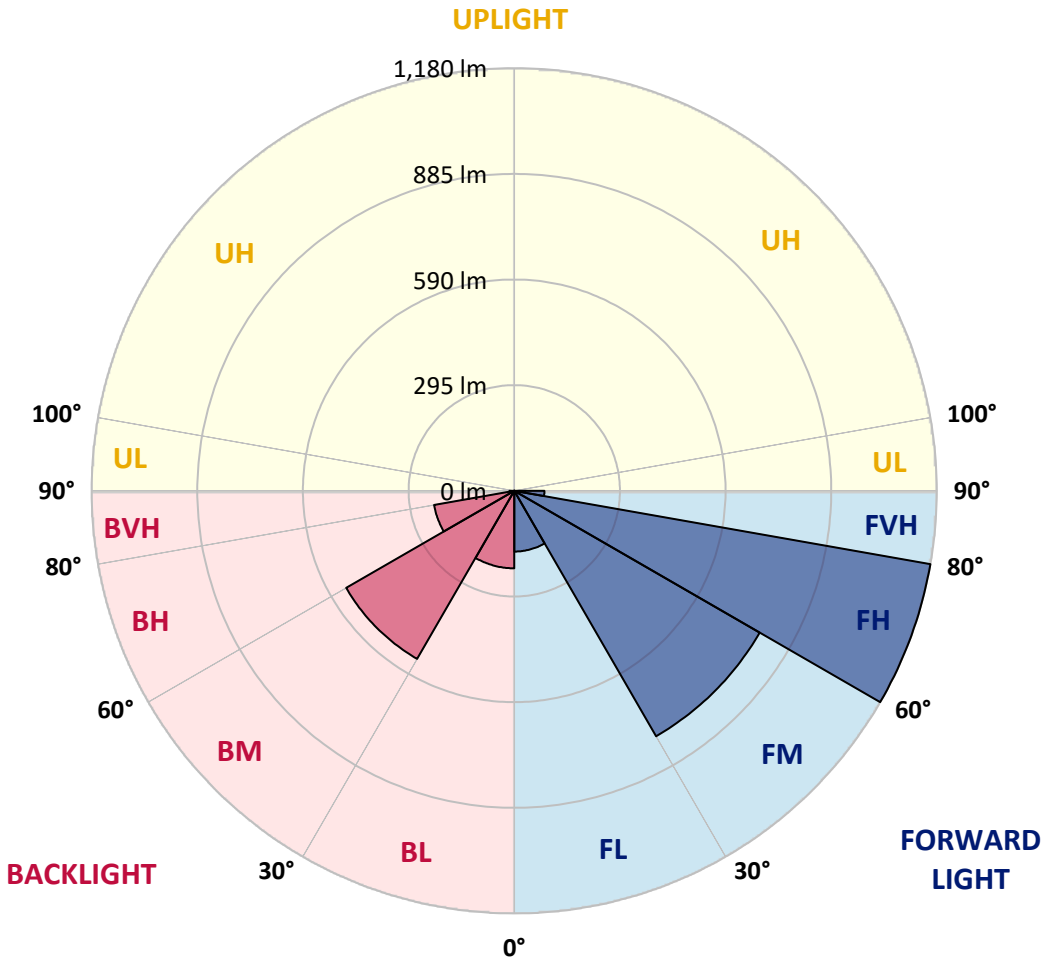
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	169.5	5.3			
FM	(30°-60°)	791.2	24.5			
FH	(60°-80°)	1179.6	36.6			G1/1800
FVH	(80°-90°)	84.1	2.6			G1/100
BL	(0°-30°)	216.3	6.7	B1/500		
BM	(30°-60°)	541.6	16.8	B1/1000		
BH	(60°-80°)	227.2	7.0	B1/500		G1/500
BVH	(80°-90°)	13.4	0.4			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 IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°
0°	368.6	368.6	368.6	368.6	368.6	368.6	368.6	368.6	368.6	368.6
2.5°	362.9	365.0	364.5	363.8	363.8	363.9	363.8	365.0	366.2	367.4
5°	366.7	368.7	367.7	366.8	366.2	366.0	365.5	365.3	366.0	367.5
7.5°	374.0	376.1	374.5	373.0	371.6	370.9	370.3	369.2	368.7	369.6
10°	382.2	384.3	382.4	379.7	377.4	376.6	375.9	374.9	374.2	374.7
12.5°	390.4	392.5	389.9	386.2	383.3	382.7	381.9	381.5	381.4	381.2
15°	398.1	399.8	396.6	392.1	389.1	388.2	387.4	387.9	388.7	389.8
17.5°	404.1	405.8	401.0	395.2	392.3	392.0	391.5	393.2	395.6	398.1
20°	409.6	411.3	405.1	397.3	393.9	393.9	394.0	397.6	401.0	404.8
22.5°	417.3	418.6	411.1	400.3	395.4	395.7	397.1	400.7	405.0	410.1
25°	428.7	429.8	420.5	406.2	400.5	401.5	402.7	404.5	408.6	414.5
27.5°	447.2	448.0	435.9	416.4	407.9	409.6	411.3	410.1	412.0	417.1
30°	473.2	473.7	458.3	432.5	420.4	421.2	421.5	416.6	413.0	417.1
32.5°	503.9	503.8	485.5	452.0	434.5	433.7	430.8	421.0	412.7	416.2
35°	551.6	549.8	526.2	479.3	450.6	445.3	438.5	426.0	414.4	415.4
37.5°	630.6	624.8	592.1	524.1	474.5	461.0	450.9	434.0	418.1	415.1
40°	719.7	712.3	676.4	585.5	510.4	488.7	472.5	445.5	424.3	416.6
42.5°	825.3	814.9	776.3	657.8	555.9	524.5	500.0	460.0	433.3	421.5
45°	955.1	941.2	886.5	739.3	613.2	571.3	538.6	482.1	447.2	431.1
47.5°	1086.2	1089.6	1011.8	832.7	681.9	629.1	587.0	515.2	467.4	446.5
50°	1225.5	1227.9	1136.4	936.1	759.8	694.4	641.4	552.3	495.4	468.4
52.5°	1334.2	1334.6	1249.6	1044.3	841.0	766.2	700.0	594.7	527.9	497.4
55°	1402.3	1401.4	1328.9	1146.7	934.4	841.6	765.0	642.9	567.5	531.6
57.5°	1451.7	1449.1	1383.6	1234.7	1033.9	930.6	838.5	697.6	614.4	572.3
60°	1470.5	1468.9	1420.7	1310.8	1138.5	1029.1	923.3	758.8	667.5	620.4
62.5°	1477.6	1480.5	1457.1	1384.5	1250.5	1138.1	1016.4	832.0	727.4	674.7
65°	1502.9	1508.2	1503.4	1480.9	1377.0	1265.8	1140.0	919.0	792.7	733.0
67.5°	1553.0	1558.3	1560.4	1596.3	1531.5	1425.0	1294.2	1027.4	869.1	793.5
70°	1551.8	1550.3	1586.5	1688.1	1725.0	1645.3	1502.1	1160.7	960.2	843.8
72.5°	1412.5	1400.2	1485.8	1687.0	1886.0	1875.4	1755.9	1332.7	1038.8	849.9
75°	1059.7	1026.9	1178.1	1520.4	1912.9	2006.0	1917.3	1439.3	1020.2	751.0
77.5°	453.2	420.2	598.5	1125.5	1712.0	1875.3	1769.3	1255.8	814.4	496.6
80°	118.6	118.5	180.9	510.3	1164.3	1384.8	1214.9	811.0	465.3	177.4
82.5°	49.1	47.9	66.5	198.5	568.9	777.1	634.2	361.7	168.0	48.0
85°	18.3	18.1	32.3	68.5	200.7	320.5	232.0	92.5	41.9	23.4
87.5°	5.1	5.0	7.0	23.8	48.9	74.2	39.7	15.2	11.8	9.2
90°	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):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
368.6	0°	368.6	368.6	368.6	368.6	368.6	368.6	368.6	368.6	368.6	368.6
369.2	2.5°	369.8	370.6	372.1	373.3	374.9	376.6	379.0	380.5	382.1	383.1
370.1	5°	371.3	373.2	377.1	381.0	385.6	389.9	394.9	398.5	401.4	402.2
373.2	7.5°	374.7	377.8	384.5	391.1	398.5	405.5	412.7	418.8	423.8	425.6
378.6	10°	380.7	384.8	394.2	403.6	413.3	424.1	433.3	442.2	449.2	452.1
385.1	12.5°	388.2	393.3	405.6	418.6	432.1	447.0	459.0	469.9	478.6	482.6
394.2	15°	398.0	404.6	420.4	437.8	457.6	478.3	493.5	505.7	515.4	520.2
403.6	17.5°	408.6	417.4	437.3	463.6	492.0	519.2	536.9	545.8	555.9	560.5
412.3	20°	418.8	429.8	458.1	496.4	534.2	563.1	577.4	579.8	580.5	581.0
420.5	22.5°	429.4	444.1	484.3	537.8	578.3	598.3	600.4	590.1	575.7	569.1
428.6	25°	441.0	460.5	518.5	583.4	616.3	618.6	602.9	578.0	550.8	538.3
435.1	27.5°	452.3	479.5	559.5	627.0	643.6	622.6	588.7	553.3	520.5	507.4
439.7	30°	463.6	501.2	604.8	665.1	656.1	612.8	566.3	526.8	493.9	480.0
443.8	32.5°	475.1	526.5	656.9	692.7	653.9	592.1	538.5	497.1	468.0	453.5
447.4	35°	488.0	557.6	706.3	707.7	639.0	561.7	501.7	461.5	436.2	424.6
451.6	37.5°	505.0	597.1	749.9	711.5	613.0	517.1	456.1	419.5	398.6	393.3
458.0	40°	526.0	644.6	783.3	705.5	574.5	462.9	406.2	376.9	365.1	366.3
466.5	42.5°	553.3	697.8	806.7	690.1	521.0	407.0	362.4	349.4	355.0	359.8
479.3	45°	588.9	753.0	821.2	663.9	460.5	359.7	336.6	339.7	343.9	344.5
500.0	47.5°	634.4	808.9	830.8	624.5	398.8	326.3	320.2	320.9	320.0	316.4
531.0	50°	691.1	863.3	839.3	572.1	346.3	305.5	297.3	294.9	283.1	271.5
572.1	52.5°	755.7	913.2	842.9	507.2	305.5	288.0	274.7	259.7	237.6	234.0
623.9	55°	827.5	959.3	833.7	427.4	271.1	265.6	245.5	227.4	225.0	221.9
692.2	57.5°	913.4	1009.1	814.9	338.3	235.9	239.5	219.8	221.9	217.6	212.8
779.8	60°	1007.2	1060.5	781.9	257.1	199.5	206.8	213.2	213.0	211.8	207.9
872.3	62.5°	1091.6	1094.4	716.9	196.9	167.5	181.5	198.8	198.6	197.6	195.4
968.9	65°	1141.9	1089.3	608.6	155.0	141.2	160.7	179.3	180.7	180.9	180.7
1041.6	67.5°	1133.0	1029.3	459.8	123.4	119.5	139.5	160.0	161.9	163.3	163.6
1050.8	70°	1032.5	897.5	299.8	98.5	100.2	120.9	141.7	143.6	144.8	146.2
911.8	72.5°	804.8	659.8	171.6	79.7	83.2	104.8	123.6	125.8	126.5	129.1
634.5	75°	*490.4*	*388.0*	*92.7*	*62.7*	*68.4*	*89.6*	*105.6*	*108.2*	*109.4*	*112.5*
311.6	77.5°	233.2	168.0	52.8	48.9	55.0	73.2	89.2	92.1	88.9	90.6
86.0	80°	78.8	62.4	33.3	37.3	42.1	57.1	71.5	74.4	67.5	67.2
28.5	82.5°	27.5	25.3	21.2	24.8	27.2	40.9	54.0	57.8	50.3	50.1
12.8	85°	10.8	10.3	11.8	13.5	16.2	25.1	35.6	37.4	30.9	25.0
3.8	87.5°	2.2	2.4	2.9	3.1	5.0	8.7	12.8	15.7	12.5	10.6
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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180°
368.6
382.4
402.6
425.8
452.3
482.6
519.8
560.4
582.4
571.0
540.2
508.9
481.5
455.4
427.2
397.1
370.4
364.3
347.9
319.2
273.0
235.2
222.4
212.0
206.5
194.5
180.7
163.9
146.8
130.1
112.8
89.2
66.5
47.7
24.6
9.7
0.0

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