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

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: P456451

Luminaire Tested: **GLAN-SA7D-722-U-T4FT**

Issue Date: 1/4/2021

Report Generated By 670248863

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Scaled Data Report

Test Information

Test Method:	LM-79-08
Report Number:	P456451
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-28)
Test Lab:	INNOVATION CENTER
Issue Date:	1/4/2021
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	STREETWORKS
Catalog Number:	GLAN-SA7D-722-U-T4FT
Description:	GALLEON AREA AND ROADWAY LUMINAIRE
	(7) 70 CRI, 2200K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV FORWARD THROW OPTICS
Light Source:	-
Ballast/Driver:	ELECTRONIC DRIVER

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	39522 lumens
Efficiency:	N/A
Efficacy:	91.3 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B3 - U0 - G5

Input Watts (W):	433
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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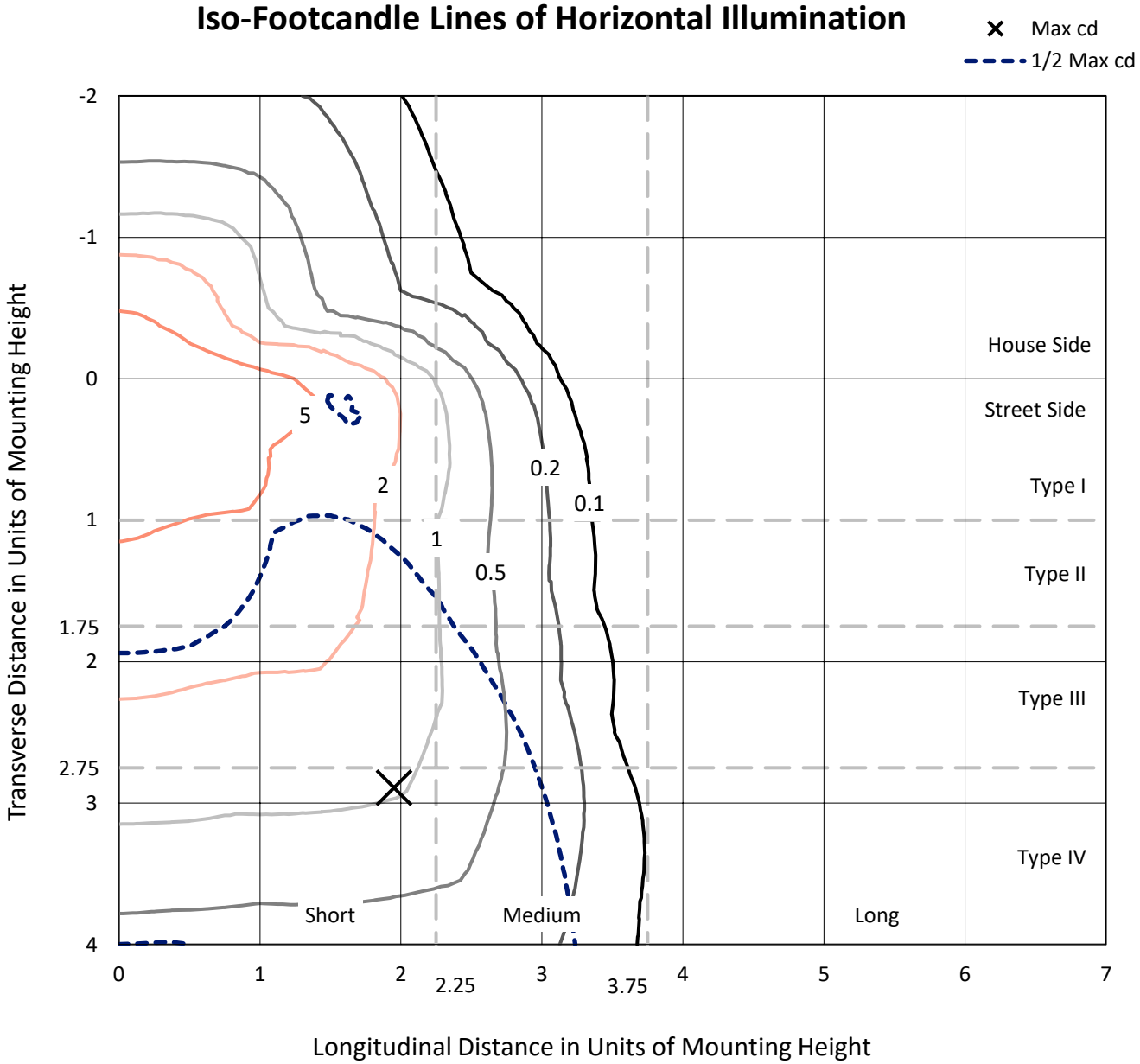
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 9.7 fc
Type IV - Short - N/A

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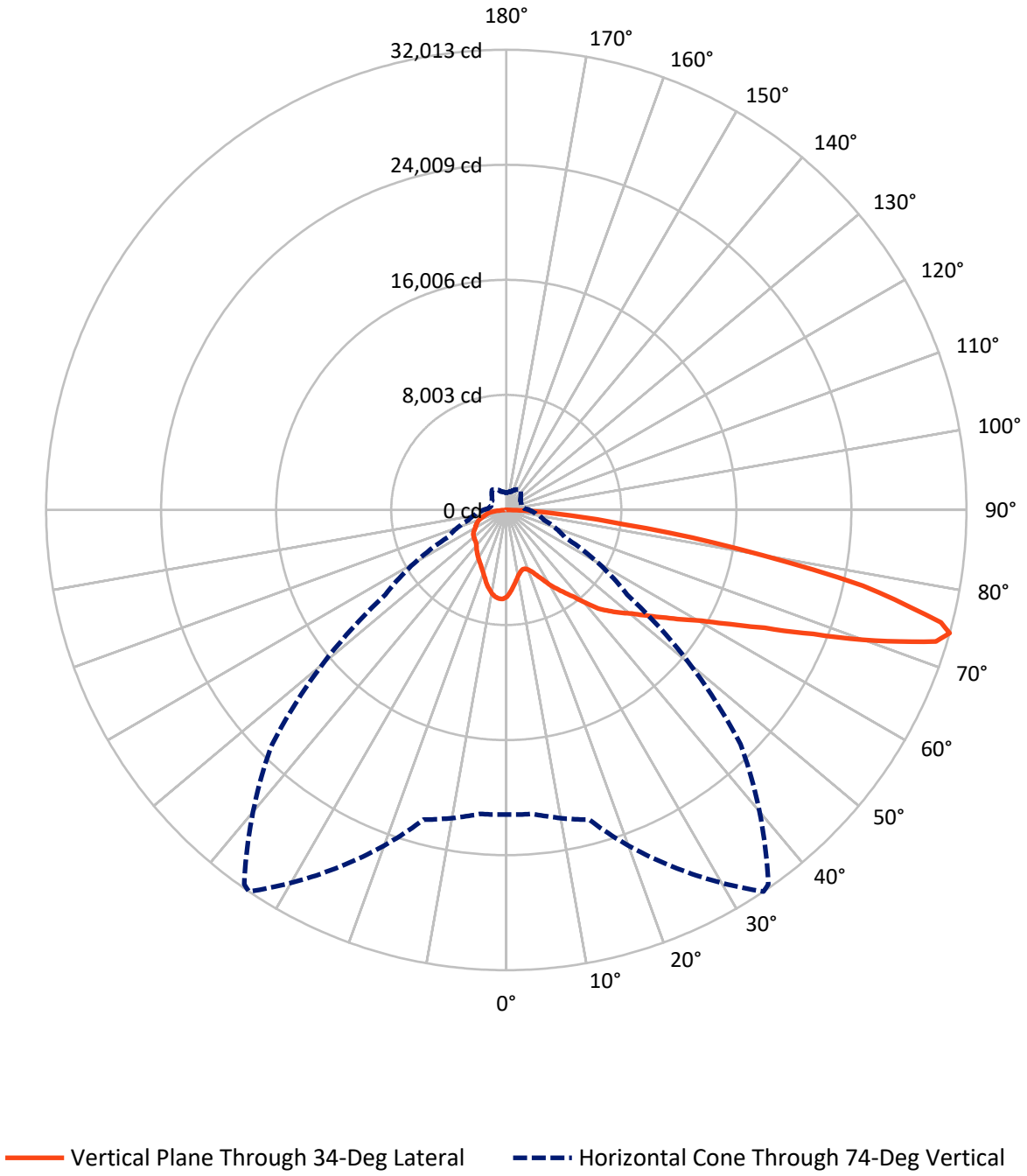
Luminous Intensity Polar Plot



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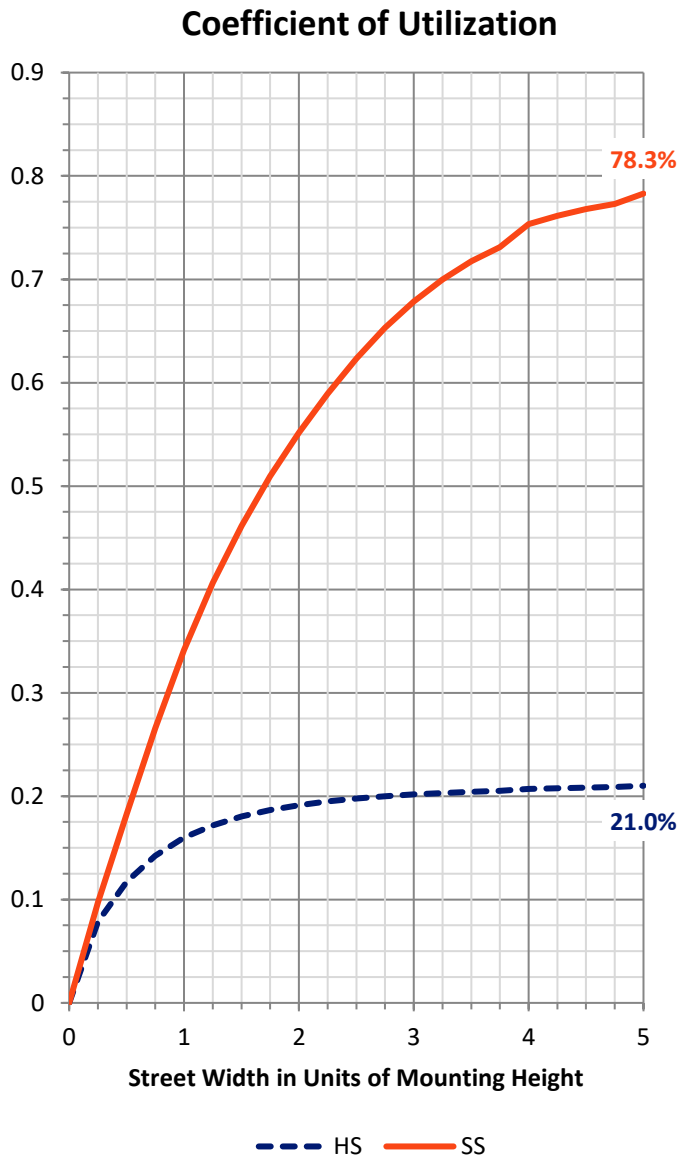
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8410.6	0.0	8410.6
	% Fixture	21.3	0.0	21.3
Street Side	Lumens	31111.4	0.0	31111.4
	% Fixture	78.7	0.0	78.7
Total	Lumens	39522.0	0.0	39522.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	548.8	1.4
10°-20°	1502.3	3.8
20°-30°	2476.9	6.3
30°-40°	3710.1	9.4
40°-50°	5393.4	13.6
50°-60°	7533.3	19.1
60°-70°	9431.3	23.9
70°-80°	7799.0	19.7
80°-90°	1126.9	2.9
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°	39522.0	100.0
0°-180°	39522.0	100.0



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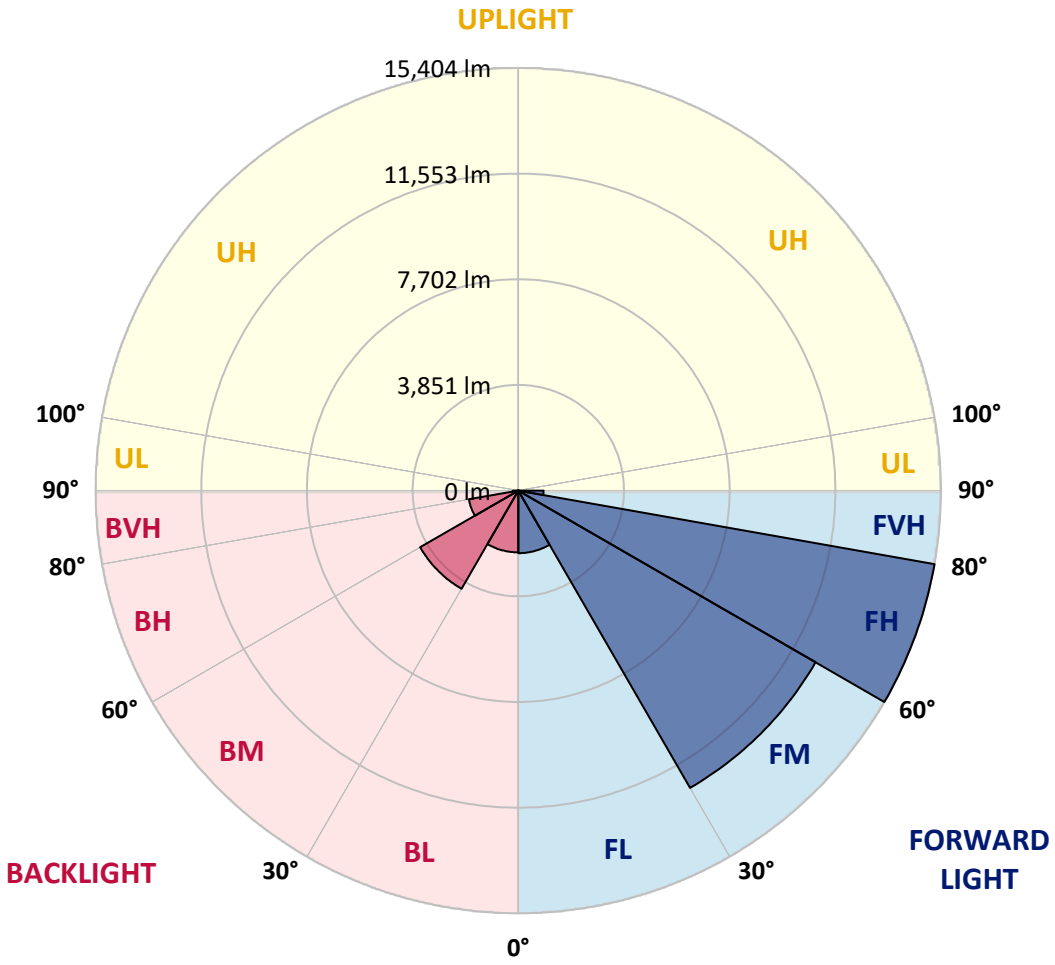
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2278.3	5.8			
FM	(30°-60°)	12506.4	31.6			
FH	(60°-80°)	15403.6	39.0			G5
FVH	(80°-90°)	923.2	2.3			G5
BL	(0°-30°)	2249.7	5.7	B3/2500		
BM	(30°-60°)	4130.5	10.5	B3/5000		
BH	(60°-80°)	1826.7	4.6	B3/2500		G3/2500
BVH	(80°-90°)	203.7	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	6034.2	6034.2	6034.2	6034.2	6034.2	6034.2	6034.2	6034.2	6034.2	6034.2	6034.2
2.5°	5576.6	5605.1	5620.4	5675.2	5688.3	5705.8	5751.8	5813.1	5891.9	5962.0	6023.3
5°	5112.5	5156.2	5182.5	5230.7	5324.8	5333.6	5456.2	5596.3	5756.2	5905.0	6027.7
7.5°	4672.4	4720.5	4742.4	4830.0	4954.8	4974.5	5154.1	5375.2	5642.3	5867.8	6056.1
10°	4341.8	4365.8	4414.0	4479.7	4628.6	4641.7	4876.0	5171.6	5517.5	5850.3	6104.3
12.5°	4162.2	4175.4	4186.3	4256.4	4403.1	4422.8	4668.0	5003.0	5419.0	5863.4	6183.1
15°	4188.5	4192.9	4144.7	4157.8	4276.1	4304.5	4547.6	4891.3	5357.7	5896.3	6301.3
17.5°	4409.6	4394.3	4276.1	4214.8	4298.0	4311.1	4523.5	4847.5	5329.2	5957.6	6424.0
20°	4757.8	4735.9	4532.2	4396.5	4444.7	4455.6	4602.3	4880.4	5357.7	6058.3	6614.4
22.5°	5191.3	5182.5	4873.8	4709.6	4707.4	4707.4	4784.0	4998.6	5443.1	6196.2	6813.7
25°	5797.8	5751.8	5348.9	5136.5	5077.4	5073.0	5064.3	5193.5	5552.5	6342.9	7050.1
27.5°	6419.6	6340.8	5981.7	5655.4	5528.5	5513.1	5456.2	5469.3	5692.7	6509.3	7319.5
30°	6977.9	6927.5	6590.4	6229.1	6078.0	6043.0	5885.3	5813.1	5926.9	6809.3	7748.6
32.5°	7404.8	7374.2	7111.5	6783.0	6559.7	6553.1	6323.2	6264.1	6292.6	7172.8	8239.0
35°	7750.8	7761.7	7628.2	7343.5	7087.4	7050.1	6896.9	6822.4	6739.2	7698.2	8856.5
37.5°	8223.7	8247.8	8239.0	7993.8	7680.7	7689.5	7654.4	7531.8	7310.7	8285.0	9541.8
40°	8744.8	8762.3	8760.1	8666.0	8501.8	8510.5	8497.4	8357.3	8026.7	9031.6	10303.7
42.5°	9465.2	9382.0	9165.2	9259.3	9355.7	9397.3	9487.0	9353.5	8900.3	9828.6	11019.7
45°	10270.9	10113.2	9622.8	9666.6	10023.5	10102.3	10597.1	10413.2	9848.3	10743.8	11862.6
47.5°	10778.8	10623.4	10209.6	10200.8	10673.8	10750.4	11626.2	11558.3	10711.0	11731.3	12891.7
50°	11232.1	11210.2	10743.8	10855.5	11317.5	11431.3	12747.2	12683.7	11571.4	12896.1	14012.7
52.5°	11904.2	11726.9	11354.7	11584.6	12195.4	12344.3	13859.5	13673.3	12361.8	13925.1	15100.9
55°	12206.4	12164.8	12142.9	12342.1	13180.7	13288.0	14941.1	14514.1	13036.2	14796.6	15928.5
57.5°	13014.3	12937.7	13154.4	13290.2	14341.1	14505.4	16070.8	15392.1	13627.4	15488.4	16331.4
60°	14060.9	14019.3	14218.5	14463.8	15637.3	15886.9	17358.3	16140.9	14102.5	15836.6	16110.2
62.5°	15624.2	15619.8	15582.6	16108.1	17474.3	17704.2	18836.2	16870.0	14176.9	15576.0	14967.3
65°	17866.2	17787.4	17463.4	18037.0	19760.1	20029.4	20375.4	17277.2	13728.1	14238.2	12602.7
67.5°	20211.2	20206.8	19944.0	20688.5	23042.2	23320.2	22299.9	17187.5	12482.3	11534.2	8950.6
70°	22155.4	22061.3	22396.3	24379.9	27235.0	27556.9	23983.6	16130.0	9942.5	7617.2	5318.3
72.5°	22621.8	22626.2	23322.4	27226.3	31261.5	31311.9	24590.1	13073.4	6653.9	4201.6	2660.2
74°	21185.5	21222.7	22302.1	27368.6	32012.5	31784.8	23040.0	10275.3	4499.4	2743.4	1918.0
75°	19337.6	19103.3	20664.4	26420.5	31233.0	30987.8	21224.9	8245.6	3433.1	2191.7	1679.3
77.5°	10338.8	10577.4	12985.9	19716.3	25374.0	25091.5	14391.5	3954.2	1854.5	1526.1	1208.6
80°	3680.5	4059.3	5705.8	10316.9	16267.9	16355.5	6868.4	1812.9	1304.9	1125.4	853.9
82.5°	1502.0	1543.6	2450.0	4578.2	8260.9	8339.8	2804.7	1077.2	932.7	775.1	510.2
85°	586.8	604.3	1083.8	2058.1	3525.1	3755.0	969.9	569.3	573.6	444.5	260.5
87.5°	197.1	223.3	444.5	685.3	1197.6	1173.6	282.4	168.6	205.8	192.7	81.0
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°	6034.2	6034.2	6034.2	6034.2	6034.2	6034.2	6034.2	6034.2	6034.2	6034.2	6034.2
2.5°	6053.9	6095.5	6124.0	6154.6	6183.1	6191.9	6185.3	6205.0	6207.2	6209.4	6211.6
5°	6089.0	6145.9	6200.6	6231.3	6244.4	6233.5	6196.2	6176.5	6159.0	6145.9	6150.3
7.5°	6137.1	6218.1	6268.5	6281.6	6246.6	6196.2	6104.3	6032.0	5986.1	5955.4	5953.2
10°	6211.6	6290.4	6332.0	6294.8	6198.4	6075.8	5931.3	5795.6	5692.7	5662.0	5659.8
12.5°	6305.7	6395.5	6393.3	6283.8	6115.2	5896.3	5662.0	5504.4	5364.2	5294.2	5322.6
15°	6428.3	6496.2	6432.7	6235.7	5968.5	5668.6	5379.6	5165.0	5007.4	4932.9	4937.3
17.5°	6570.7	6629.8	6461.2	6150.3	5762.7	5377.4	5042.4	4838.8	4714.0	4659.2	4654.9
20°	6748.0	6765.5	6461.2	6001.4	5497.8	5038.0	4718.3	4576.0	4506.0	4477.5	4486.3
22.5°	6938.5	6903.5	6426.1	5791.2	5149.7	4683.3	4468.7	4405.2	4370.2	4365.8	4370.2
25°	7153.1	7054.5	6353.9	5506.6	4786.2	4376.8	4252.0	4262.9	4269.5	4269.5	4284.8
27.5°	7415.8	7218.7	6233.5	5147.5	4361.5	4092.2	4057.1	4133.8	4168.8	4175.4	4186.3
30°	7761.7	7398.3	6034.2	4698.6	4000.2	3836.0	3897.3	4000.2	4039.6	4063.7	4059.3
32.5°	8173.4	7595.3	5764.9	4249.8	3709.0	3656.4	3730.9	3836.0	3879.8	3892.9	3875.4
35°	8657.2	7818.7	5410.2	3829.4	3455.0	3485.7	3573.2	3606.1	3645.5	3645.5	3654.3
37.5°	9178.3	7998.2	4976.7	3444.1	3258.0	3369.6	3433.1	3402.5	3384.9	3363.1	3374.0
40°	9708.2	8131.8	4414.0	3063.1	3060.9	3249.2	3266.7	3179.1	3109.1	3087.2	3076.2
42.5°	10170.2	8215.0	3906.0	2767.5	2874.8	3131.0	3144.1	3004.0	2892.3	2826.6	2804.7
45°	10715.4	8311.3	3409.0	2522.3	2701.8	3036.8	3069.7	2881.4	2717.2	2579.2	2544.2
47.5°	11462.0	8530.2	3017.1	2331.8	2577.0	2977.7	3023.7	2780.6	2563.9	2384.4	2355.9
50°	12304.9	8830.2	2712.8	2202.6	2480.7	2925.2	2982.1	2677.7	2421.6	2222.3	2200.4
52.5°	13077.8	8992.2	2450.0	2086.6	2386.5	2828.8	2927.3	2603.3	2281.4	2060.3	2040.6
55°	13500.4	8729.5	2191.7	1972.7	2257.4	2704.0	2850.7	2500.4	2145.7	1974.9	1946.5
57.5°	13557.3	8186.5	1957.4	1850.1	2121.6	2550.8	2708.4	2375.6	2058.1	1915.8	1891.7
60°	13117.2	7376.4	1775.7	1749.4	1983.7	2377.8	2548.6	2266.1	1968.3	1850.1	1826.0
62.5°	12022.5	6496.2	1648.7	1657.4	1843.5	2196.1	2430.3	2161.0	1883.0	1777.9	1756.0
65°	10139.5	5362.1	1526.1	1563.3	1718.7	2053.7	2323.0	2073.4	1797.6	1723.1	1703.4
67.5°	7043.6	3871.0	1425.4	1464.8	1600.5	1909.2	2198.2	1979.3	1701.2	1661.8	1631.2
70°	3899.5	2382.2	1307.1	1353.1	1477.9	1747.2	2058.1	1837.0	1561.1	1543.6	1499.8
72.5°	2049.4	1517.3	1173.6	1223.9	1311.5	1539.2	1843.5	1681.5	1423.2	1348.7	1291.8
74°	*1600.5*	*1243.6*	*1083.8*	*1136.3*	*1195.5*	*1416.6*	*1716.6*	*1569.9*	*1324.6*	*1237.1*	*1193.3*
75°	1394.7	1107.9	1007.2	1075.0	1127.6	1333.4	1618.0	1491.0	1269.9	1186.7	1147.3
77.5°	985.3	829.8	823.2	904.3	932.7	1169.2	1458.2	1357.5	1132.0	1044.4	1007.2
80°	691.9	621.8	652.5	702.8	742.2	1033.4	1353.1	1173.6	928.3	825.4	812.3
82.5°	451.0	407.2	466.4	512.3	525.5	761.9	1092.6	891.1	676.6	549.6	510.2
85°	208.0	203.6	267.1	260.5	258.4	372.2	648.1	521.1	389.7	291.2	273.7
87.5°	52.5	50.4	65.7	54.7	65.7	56.9	59.1	15.3	2.2	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)