

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: P476574

Luminaire Tested: **IFLD-S-SA6C-735-U-T2**

Issue Date: 02/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P476574  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6C-735-U-T2  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens  
Light Source: (96) 3500K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

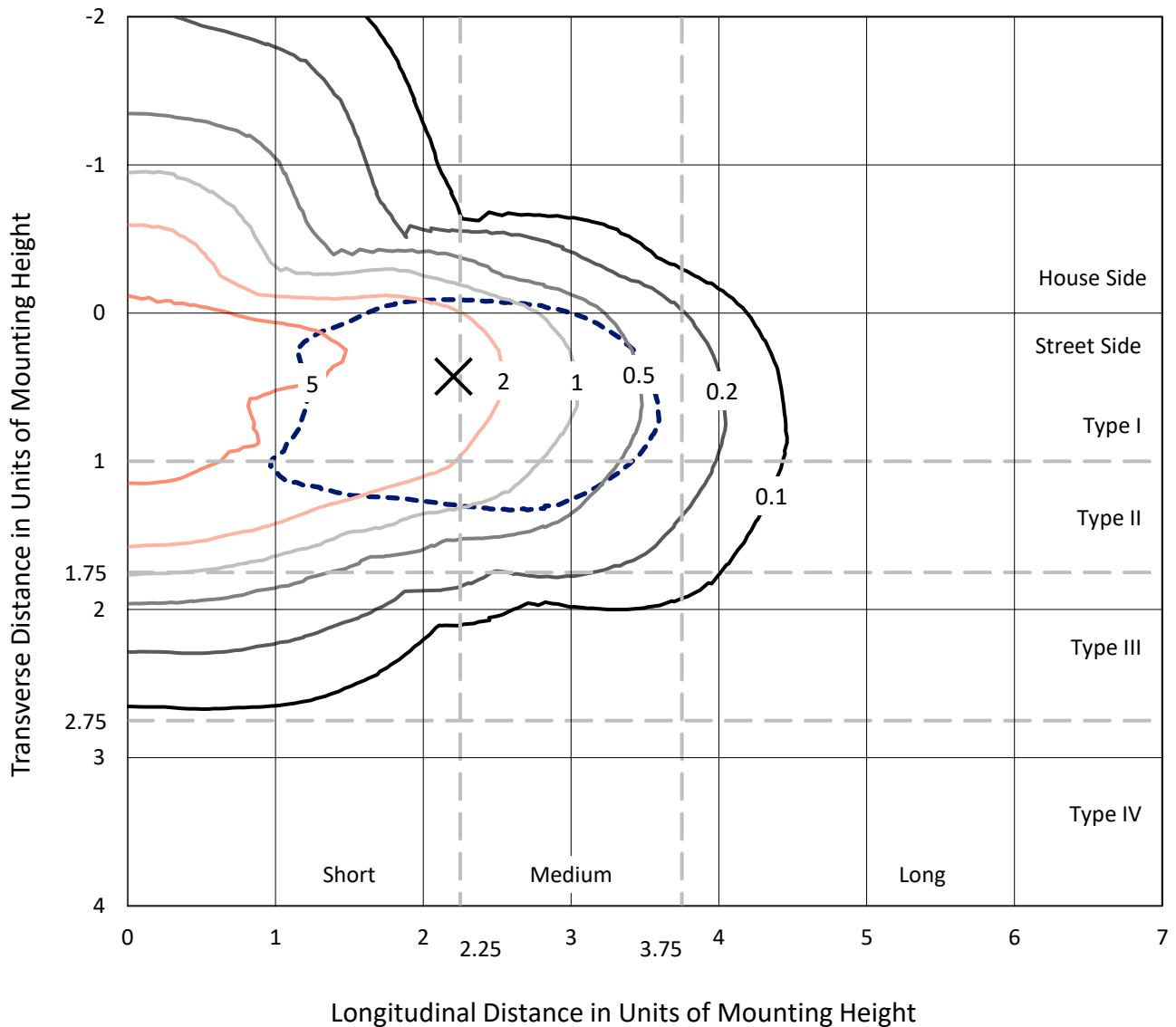
Lumens per Lamp: N/A  
Luminaire Lumens: 40933.1 lumens  
Efficiency: N/A  
Efficacy: 127.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G5

Input Watts (W): 321.5  
Input Voltage (V): 120  
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

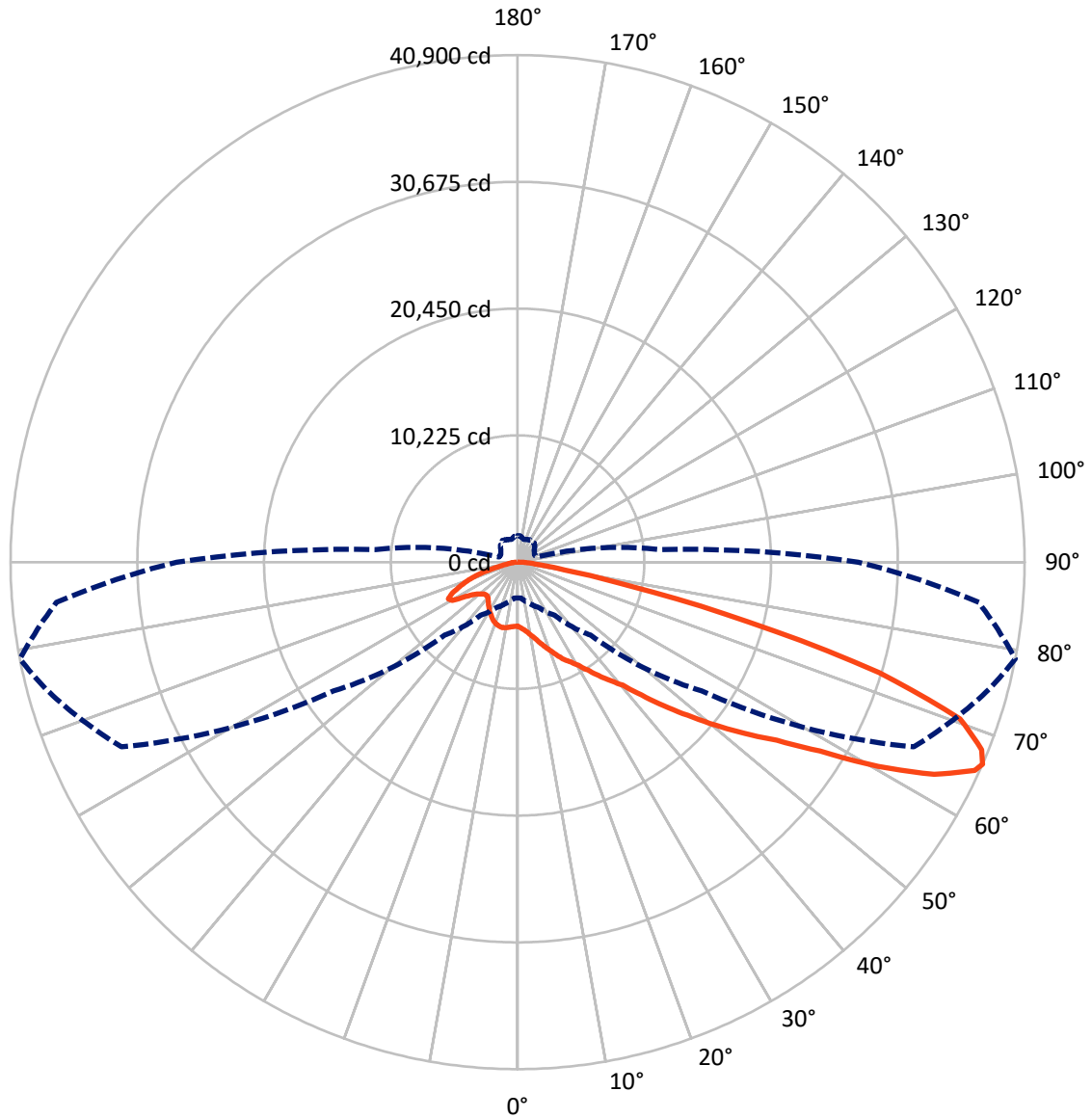
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral      - - - Horizontal Cone Through 66-Deg Vertical

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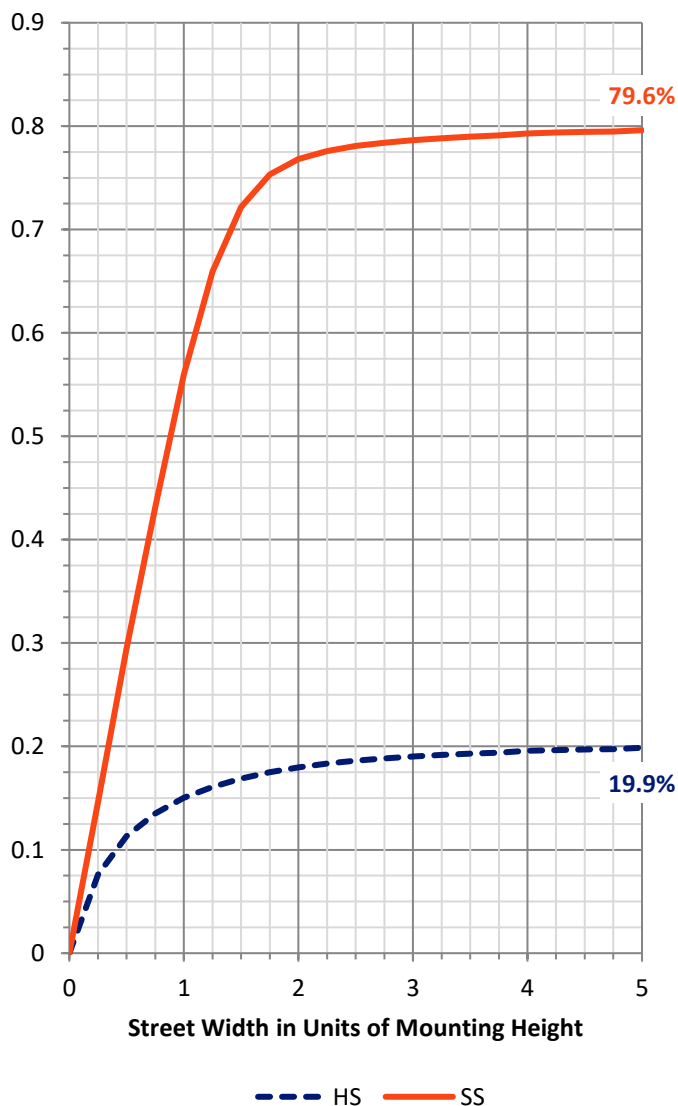
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8265.9	0.0	8265.9
	% Fixture	20.2	0.0	20.2
<b>Street Side</b>	Lumens	32667.2	0.0	32667.2
	% Fixture	79.8	0.0	79.8
<b>Total</b>	Lumens	40933.1	0.0	40933.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	508.2	1.2
10°-20°	1569.4	3.8
20°-30°	2694.0	6.6
30°-40°	4161.6	10.2
40°-50°	6665.9	16.3
50°-60°	9952.6	24.3
60°-70°	10226.3	25.0
70°-80°	4533.2	11.1
80°-90°	622.0	1.5
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°	40933.1	100.0
0°-180°	40933.1	100.0

**Coefficient of Utilization**



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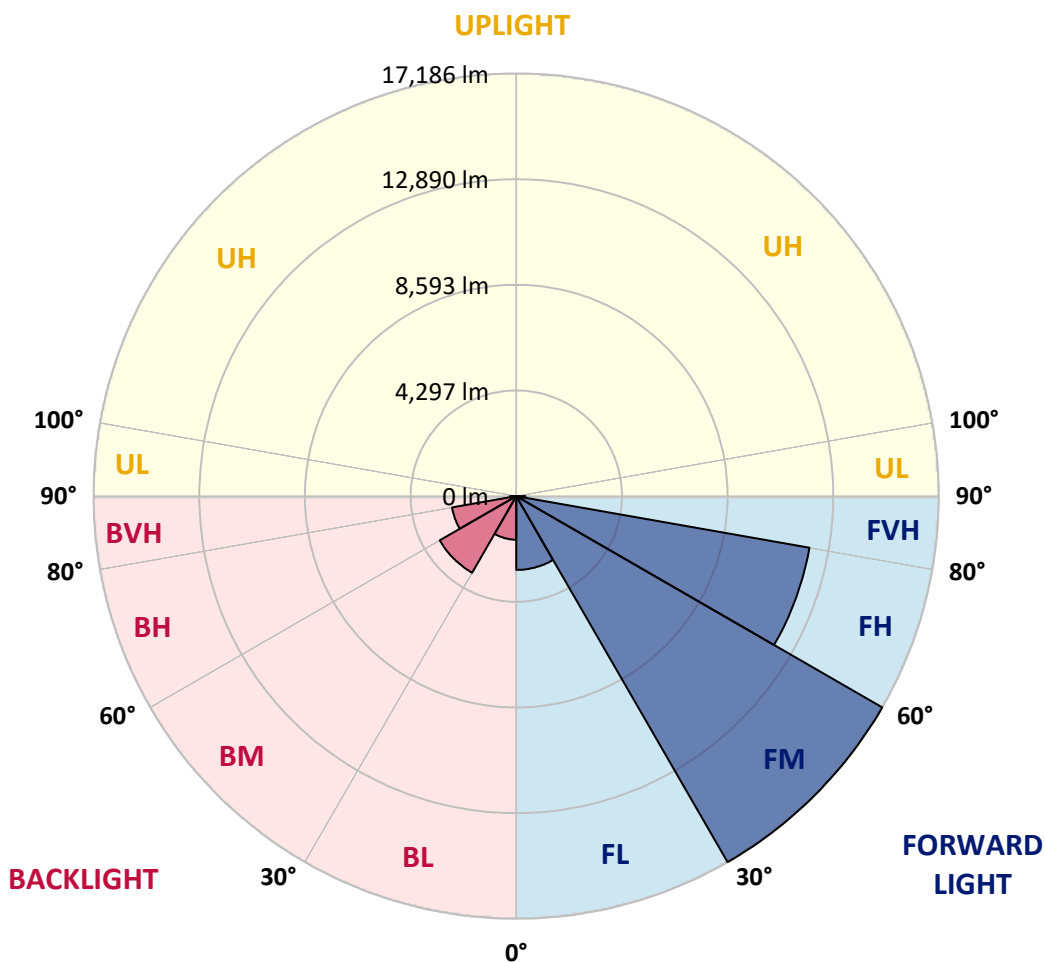
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3000.7	7.3			
FM (30°-60°)	17186.4	42.0			
FH (60°-80°)	12107.1	29.6			G5
FVH (80°-90°)	373.0	0.9			G3/500
BL (0°-30°)	1771.0	4.3	B3/2500		
BM (30°-60°)	3593.6	8.8	B3/5000		
BH (60°-80°)	2652.4	6.5	B4/5000		G4/5000
BVH (80°-90°)	248.9	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G5**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	5168.7	5168.7	5168.7	5168.7	5168.7	5168.7	5168.7	5168.7	5168.7	5168.7	5168.7
2.5°	5497.4	5501.9	5501.9	5483.9	5488.4	5501.9	5452.4	5344.3	5344.3	5326.3	5294.8
5°	5835.1	5812.6	5781.0	5785.5	5767.5	5767.5	5713.5	5609.9	5519.9	5483.9	5389.3
7.5°	5880.1	5902.6	5898.1	5952.1	5979.1	5979.1	6006.2	5920.6	5785.5	5700.0	5605.4
10°	5970.1	5911.6	5907.1	6033.2	6073.7	6168.2	6276.3	6231.3	6118.7	5997.2	5871.1
12.5°	6024.2	6060.2	6060.2	6123.2	6217.8	6357.3	6546.4	6632.0	6456.4	6330.3	6136.7
15°	6105.2	6055.7	6199.8	6253.8	6433.9	6532.9	6803.1	7023.7	6906.6	6753.5	6447.4
17.5°	6141.2	6109.7	6190.8	6289.8	6596.0	6744.5	7073.2	7379.4	7280.3	7181.3	6866.1
20°	6325.8	6321.3	6357.3	6438.4	6659.0	6951.7	7361.4	7784.6	7820.6	7640.5	7212.8
22.5°	6776.1	6717.5	6717.5	6686.0	6780.6	7082.2	7636.0	8221.3	8383.4	8171.8	7604.5
25°	7190.3	7271.3	7221.8	7077.7	7041.7	7199.3	7834.1	8685.1	8901.2	8703.1	8135.8
27.5°	7721.6	7748.6	7834.1	7640.5	7392.9	7442.4	8050.2	8946.2	9391.9	9126.3	8437.4
30°	8487.0	8437.4	8419.4	8203.3	7879.1	7811.6	8297.9	9328.9	10035.8	9662.1	8793.1
32.5°	9004.7	9126.3	9121.8	8824.6	8432.9	8284.4	8604.0	9689.1	10724.6	10378.0	9450.5
35°	10031.3	10157.3	10058.3	9621.6	9162.3	8865.2	9045.3	10157.3	11512.5	11242.4	10008.8
37.5°	11341.5	11638.6	11427.0	10621.1	9972.7	9648.6	9657.6	10666.1	12318.5	12097.9	10607.6
40°	12246.4	12647.1	12354.5	11598.1	10909.2	10603.1	10481.5	11269.4	13282.0	13047.9	11544.1
42.5°	13367.5	13700.7	13547.6	12800.2	11994.3	11733.2	11490.0	12277.9	14754.2	14646.2	12746.2
45°	14592.2	14749.7	14700.2	14227.5	13331.5	13241.5	12705.7	13606.1	16487.7	16532.7	14250.0
47.5°	15731.3	15816.8	15911.4	15569.2	15010.9	15087.4	14105.9	15028.9	18171.5	18468.7	15924.9
50°	16023.9	16316.6	16537.2	16766.8	16888.4	17406.1	15650.2	16775.8	20107.6	20683.9	17788.8
52.5°	15726.8	15704.2	16375.1	17095.5	18311.1	19396.2	17752.8	18946.0	21818.5	22957.6	19495.2
55°	14376.1	14331.0	15411.6	16366.1	18738.8	20503.8	20755.9	21836.5	23885.0	25366.3	21805.0
57.5°	12012.3	11733.2	12912.8	14479.6	17811.4	20625.3	23772.5	26127.2	27063.7	28752.1	25330.3
60°	8072.7	7955.7	9085.8	10954.3	14461.6	18900.9	25577.9	31498.5	31543.6	33443.6	30800.7
62.5°	4970.6	4993.1	5718.0	7118.2	10125.8	14983.9	24799.0	35789.3	35798.3	37702.8	35303.0
65°	3250.7	3264.2	3849.5	4623.9	6325.8	10161.8	20508.3	36127.0	38756.4	40525.8	37365.1
66°	2895.0	2899.5	3403.8	4034.1	5240.8	8315.9	18113.0	35249.0	39422.7	40899.5	37338.1
67.5°	2440.3	2498.8	2904.0	3390.3	4088.1	5974.6	14371.5	32709.7	39080.5	40377.2	36491.7
70°	1909.0	1940.5	2260.2	2755.4	3066.1	3457.8	8541.0	26663.0	35771.3	37873.9	33412.1
72.5°	1530.8	1557.8	1800.9	2237.7	2489.8	2278.2	4650.9	19346.7	28256.8	30499.0	26280.3
75°	1292.2	1296.7	1413.7	1760.4	2048.6	1710.9	2476.3	12417.5	18131.0	19175.6	16100.5
77.5°	1044.5	1062.6	1143.6	1341.7	1647.9	1346.2	1476.8	6956.2	9103.8	9180.3	7442.4
80°	850.9	860.0	909.5	977.0	1256.2	995.0	999.5	3394.8	3903.6	3813.5	3025.6
82.5°	670.9	679.9	738.4	724.9	923.0	711.4	621.3	1634.4	1796.4	1760.4	1391.2
85°	378.2	378.2	580.8	580.8	585.3	450.2	378.2	769.9	950.0	887.0	652.8
87.5°	121.6	126.1	175.6	184.6	292.7	202.6	184.6	288.2	450.2	396.2	234.1
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°	5168.7	5168.7	5168.7	5168.7	5168.7	5168.7	5168.7	5168.7	5168.7	5168.7	5168.7
2.5°	5276.8	5204.7	5173.2	5069.7	5042.6	4975.1	4943.6	4903.1	4889.6	4831.0	4885.1
5°	5317.3	5294.8	5168.7	5038.1	4939.1	4894.1	4826.5	4736.5	4727.5	4646.4	4637.4
7.5°	5488.4	5411.8	5191.2	5051.7	4853.5	4741.0	4592.4	4547.4	4488.9	4461.8	4520.4
10°	5754.0	5560.4	5231.7	4880.6	4637.4	4502.4	4394.3	4362.8	4367.3	4349.3	4322.3
12.5°	5943.1	5758.5	5164.2	4736.5	4421.3	4290.8	4281.7	4313.3	4362.8	4340.3	4371.8
15°	6213.3	5866.6	5114.7	4497.9	4245.7	4209.7	4205.2	4299.8	4295.3	4295.3	4290.8
17.5°	6465.4	5974.6	4934.6	4290.8	4061.1	4088.1	4119.7	4115.2	4160.2	4178.2	4209.7
20°	6785.1	6100.7	4682.5	4083.6	3921.6	3912.6	3908.1	3912.6	3957.6	3984.6	3962.1
22.5°	7064.2	6127.7	4470.8	3885.5	3755.0	3719.0	3660.4	3719.0	3696.4	3705.4	3732.5
25°	7307.3	6132.2	4169.2	3737.0	3588.4	3507.3	3462.3	3457.8	3417.3	3412.8	3412.8
27.5°	7509.9	5979.1	3903.6	3529.9	3390.3	3313.7	3309.2	3259.7	3156.2	3088.6	3097.6
30°	7667.5	5862.1	3719.0	3349.8	3214.7	3201.2	3160.7	3048.1	2913.0	2827.5	2827.5
32.5°	7946.7	5628.0	3466.8	3165.2	3097.6	3079.6	2985.1	2886.0	2759.9	2678.9	2665.4
35°	8153.8	5411.8	3300.2	3007.6	2976.1	2940.0	2859.0	2750.9	2714.9	2696.9	2710.4
37.5°	8387.9	5168.7	3097.6	2872.5	2904.0	2836.5	2741.9	2692.4	2818.5	2787.0	2800.5
40°	8761.6	4997.6	2899.5	2791.5	2823.0	2746.4	2624.9	2606.9	2764.5	2651.9	2624.9
42.5°	9446.0	4993.1	2778.0	2669.9	2692.4	2633.9	2525.8	2516.8	2579.9	2444.8	2404.3
45°	10296.9	5150.7	2687.9	2579.9	2561.8	2552.8	2516.8	2476.3	2422.3	2246.7	2201.7
47.5°	11314.4	5407.3	2669.9	2444.8	2467.3	2543.8	2498.8	2395.3	2255.7	2143.1	2120.6
50°	12548.1	5938.6	2624.9	2345.7	2386.3	2507.8	2471.8	2327.7	2201.7	2129.6	2116.1
52.5°	13912.3	6609.5	2566.3	2192.7	2282.7	2476.3	2494.3	2359.2	2174.6	2111.6	2102.6
55°	15519.7	7600.0	2498.8	2026.1	2161.1	2444.8	2494.3	2269.2	2138.6	2138.6	2129.6
57.5°	18693.8	9382.9	2359.2	1873.0	2053.1	2386.3	2422.3	2273.7	2143.1	2143.1	2125.1
60°	23349.3	12165.4	2093.6	1755.9	1949.5	2305.2	2368.2	2206.2	2093.6	2120.6	2116.1
62.5°	26991.7	13011.8	1868.5	1643.4	1846.0	2156.6	2296.2	2134.1	2035.1	2134.1	2143.1
65°	27770.6	12156.4	1638.9	1521.8	1701.9	2012.6	2192.7	2030.6	1949.5	2143.1	2152.1
66°	27491.4	11490.0	1557.8	1485.8	1638.9	1940.5	2129.6	1994.5	1904.5	2134.1	2138.6
67.5°	26248.8	10490.5	1467.8	1409.2	1553.3	1837.0	2057.6	1945.0	1832.5	2107.1	2066.6
70°	23547.4	8896.7	1314.7	1274.2	1431.8	1665.9	1891.0	1819.0	1719.9	1940.5	1868.5
72.5°	18135.5	7109.2	1152.6	1157.1	1292.2	1490.3	1724.4	1674.9	1589.3	1701.9	1656.9
75°	11044.3	4542.9	1004.0	1013.0	1125.6	1323.7	1566.8	1530.8	1427.2	1490.3	1467.8
77.5°	4894.1	2251.2	846.4	864.5	954.5	1166.1	1364.2	1305.7	1197.6	1211.1	1202.1
80°	1900.0	1067.1	688.9	711.4	769.9	932.0	1130.1	1076.1	981.5	963.5	954.5
82.5°	914.0	594.3	531.3	540.3	562.8	742.9	972.5	905.0	778.9	697.9	697.9
85°	459.2	369.2	373.7	342.2	373.7	504.3	657.3	549.3	454.7	405.2	414.2
87.5°	184.6	184.6	184.6	157.6	166.6	238.6	306.2	207.1	189.1	112.6	112.6
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)