

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: P476613

Luminaire Tested: **IFLD-S-SA6C-740-U-T2**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P476613  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6C-740-U-T2  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens  
Light Source: (96) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

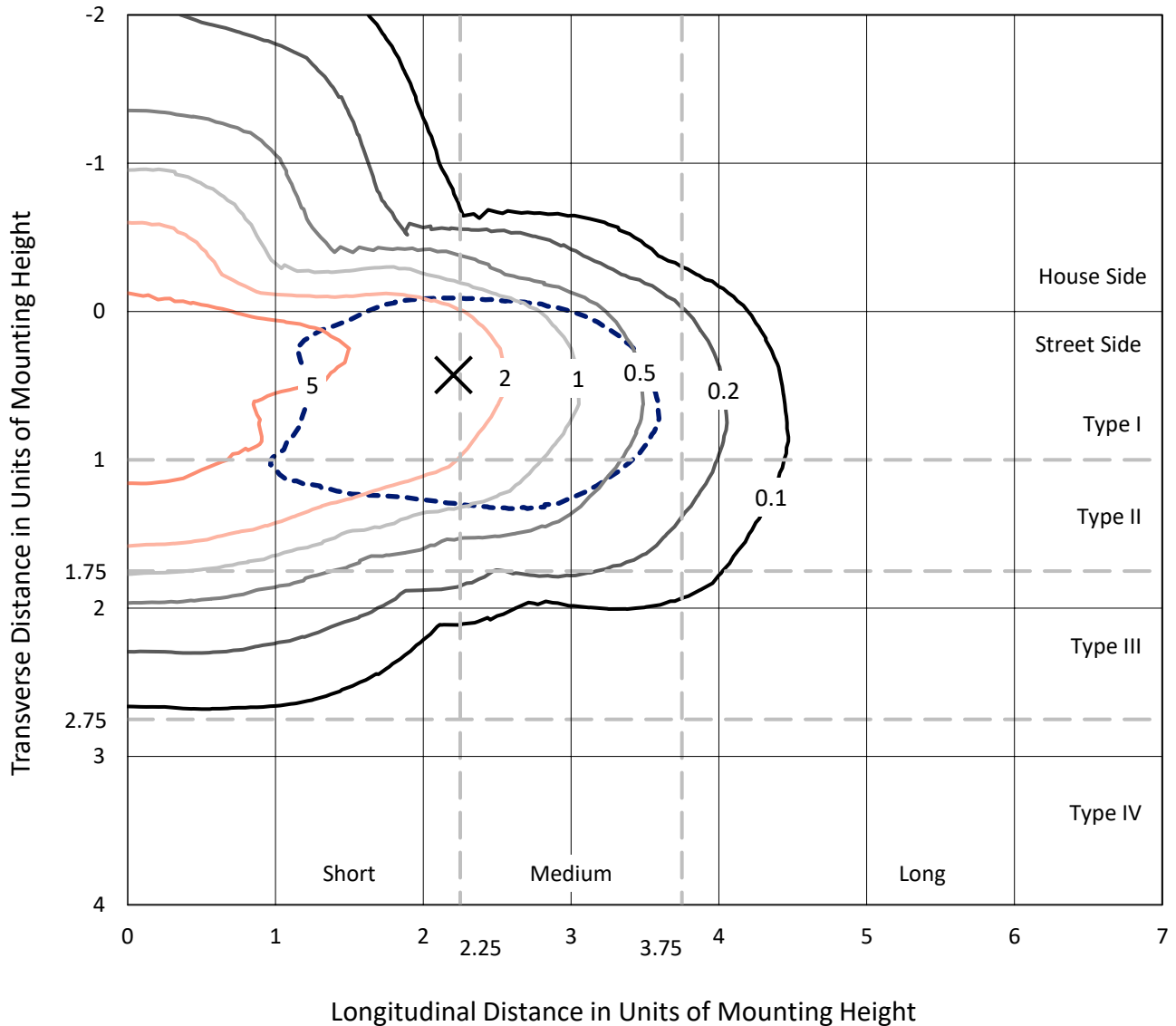
Lumens per Lamp: N/A  
Luminaire Lumens: 41501.7 lumens  
Efficiency: N/A  
Efficacy: 129.1 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G5

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

REPORT NUMBER: P476613  
 CATALOG NUMBER: IFLD-S-SA6C-740-U-T2

### Iso-Footcandle Lines of Horizontal Illumination

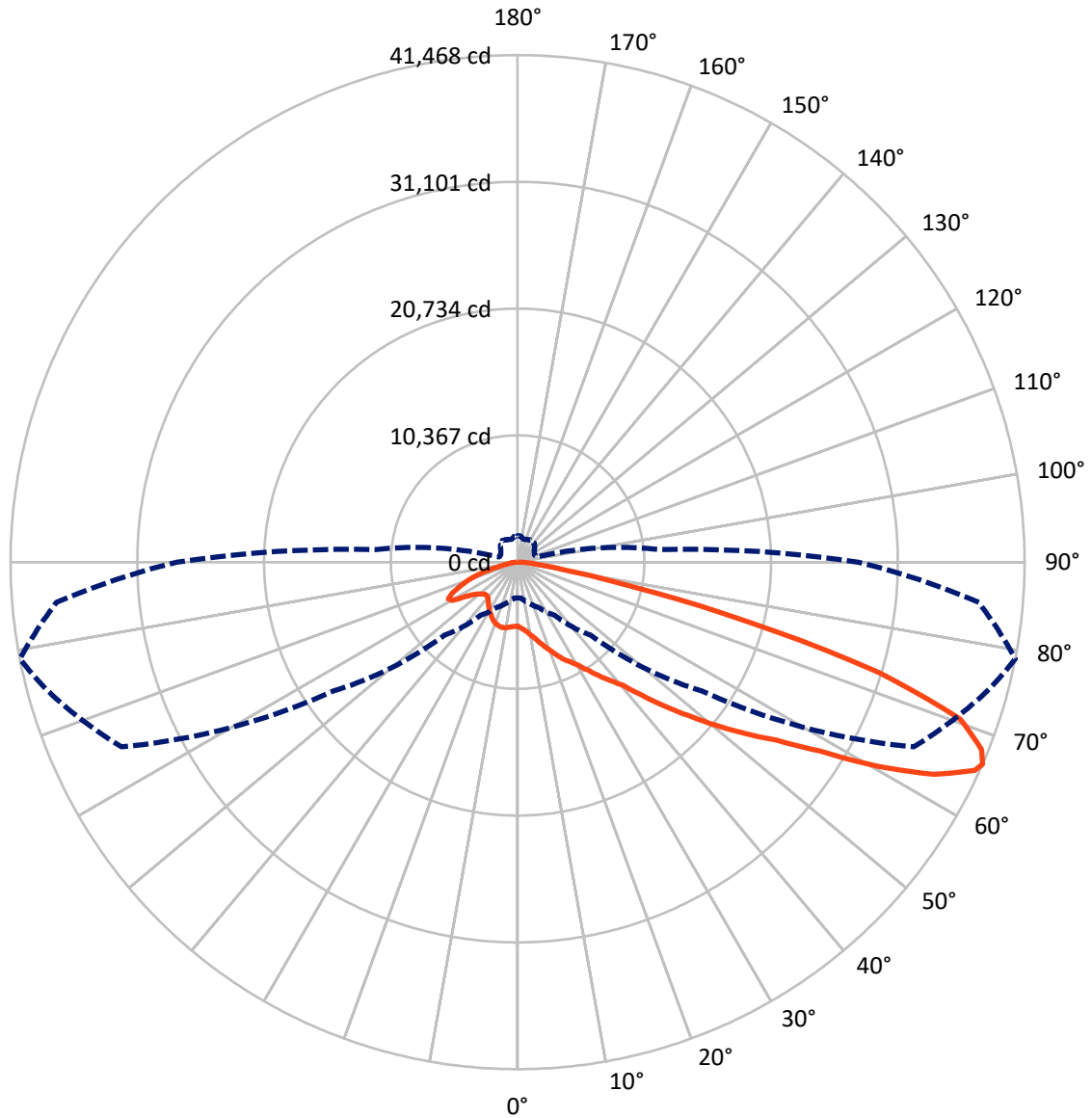
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.4 fc  
 Type II - Short - N/A

REPORT NUMBER: P476613  
CATALOG NUMBER: IFLD-S-SA6C-740-U-T2

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P476613  
 CATALOG NUMBER: IFLD-S-SA6C-740-U-T2

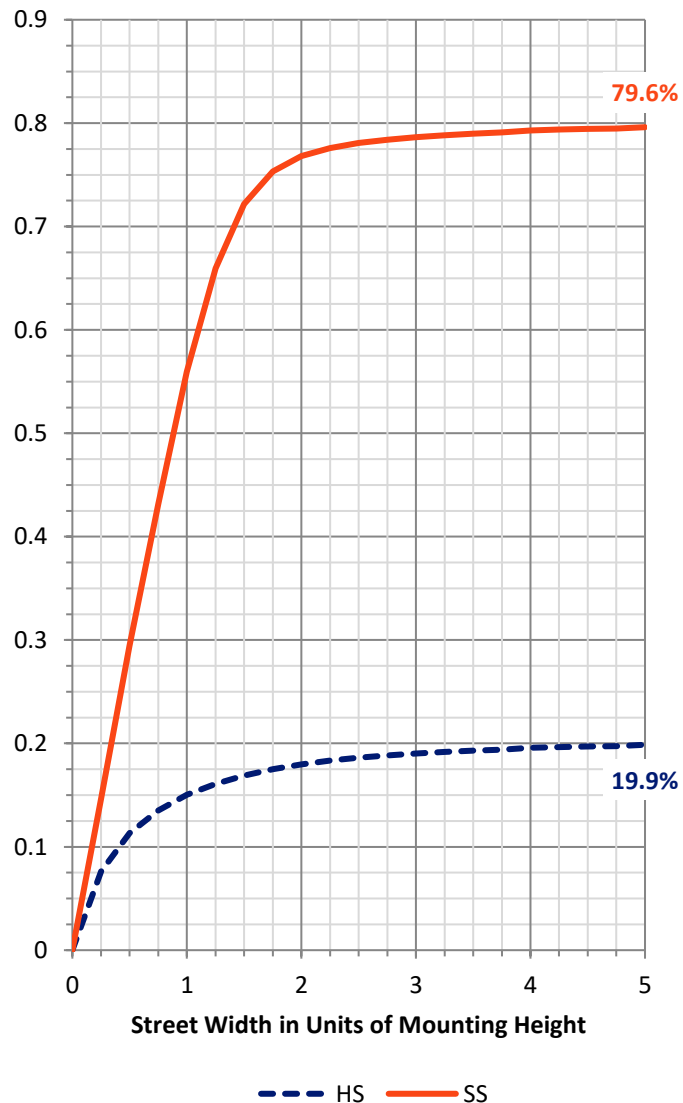
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8380.7	0.0	8380.7
	% Fixture	20.2	0.0	20.2
<b>Street Side</b>	Lumens	33121.0	0.0	33121.0
	% Fixture	79.8	0.0	79.8
<b>Total</b>	Lumens	41501.7	0.0	41501.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	515.3	1.2
10°-20°	1591.2	3.8
20°-30°	2731.4	6.6
30°-40°	4219.4	10.2
40°-50°	6758.4	16.3
50°-60°	10090.8	24.3
60°-70°	10368.3	25.0
70°-80°	4596.1	11.1
80°-90°	630.6	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°	41501.7	100.0
0°-180°	41501.7	100.0

**Coefficient of Utilization**

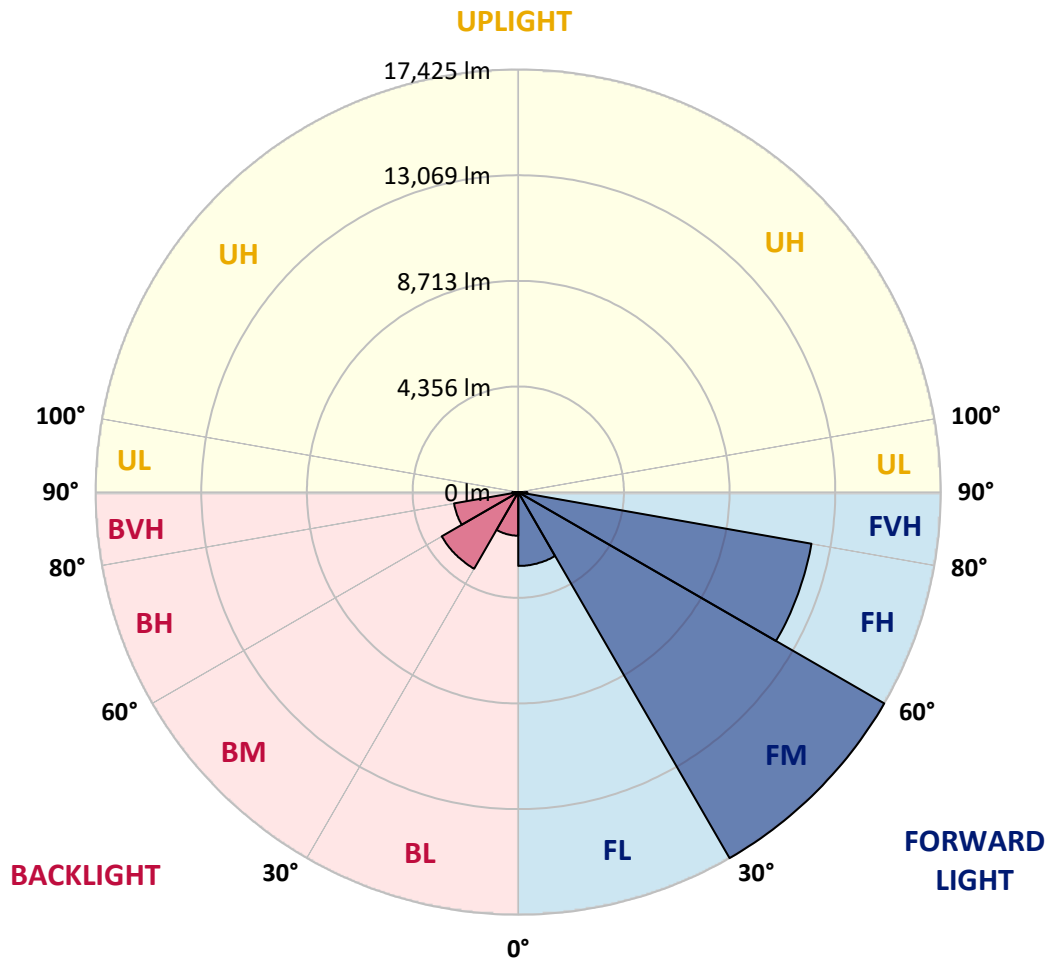


REPORT NUMBER: P476613  
 CATALOG NUMBER: IFLD-S-SA6C-740-U-T2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3042.3	7.3			
FM (30°-60°)	17425.2	42.0			
FH (60°-80°)	12275.3	29.6			G5
FVH (80°-90°)	378.2	0.9			G3/500
BL (0°-30°)	1795.5	4.3	B3/2500		
BM (30°-60°)	3643.5	8.8	B3/5000		
BH (60°-80°)	2689.2	6.5	B4/5000		G4/5000
BVH (80°-90°)	252.4	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





REPORT NUMBER: P476613  
 CATALOG NUMBER: IFLD-S-SA6C-740-U-T2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	5240.5	5240.5	5240.5	5240.5	5240.5	5240.5	5240.5	5240.5	5240.5	5240.5	5240.5
2.5°	5573.7	5578.3	5578.3	5560.1	5564.6	5578.3	5528.1	5418.5	5418.5	5400.3	5368.3
5°	5916.1	5893.3	5861.3	5865.9	5847.6	5847.6	5792.9	5687.9	5596.6	5560.1	5464.2
7.5°	5961.8	5984.6	5980.0	6034.8	6062.2	6062.2	6089.6	6002.8	5865.9	5779.2	5683.3
10°	6053.1	5993.7	5989.2	6117.0	6158.1	6253.9	6363.5	6317.8	6203.7	6080.5	5952.6
12.5°	6107.8	6144.4	6144.4	6208.3	6304.1	6445.6	6637.4	6724.1	6546.1	6418.3	6222.0
15°	6190.0	6139.8	6285.9	6340.7	6523.2	6623.7	6897.6	7121.3	7002.6	6847.4	6536.9
17.5°	6226.5	6194.6	6276.7	6377.2	6687.6	6838.2	7171.5	7481.9	7381.4	7281.0	6961.5
20°	6413.7	6409.1	6445.6	6527.8	6751.5	7048.2	7463.6	7892.7	7929.2	7746.6	7313.0
22.5°	6870.2	6810.8	6810.8	6778.9	6874.7	7180.6	7742.1	8335.5	8499.9	8285.3	7710.1
25°	7290.2	7372.3	7322.1	7176.0	7139.5	7299.3	7942.9	8805.7	9024.8	8824.0	8248.8
27.5°	7828.8	7856.2	7942.9	7746.6	7495.6	7545.8	8162.0	9070.5	9522.4	9253.1	8554.6
30°	8604.8	8554.6	8536.4	8317.3	7988.6	7920.1	8413.1	9458.5	10175.2	9796.3	8915.3
32.5°	9129.8	9253.1	9248.5	8947.2	8550.1	8399.4	8723.5	9823.7	10873.6	10522.1	9581.7
35°	10170.6	10298.4	10198.0	9755.2	9289.6	8988.3	9170.9	10298.4	11672.5	11398.6	10147.8
37.5°	11499.0	11800.3	11585.7	10768.6	10111.3	9782.6	9791.7	10814.3	12489.6	12265.9	10754.9
40°	12416.5	12822.8	12526.1	11759.2	11060.8	10750.3	10627.1	11426.0	13466.5	13229.1	11704.4
42.5°	13553.2	13891.0	13735.8	12978.0	12160.9	11896.1	11649.6	12448.5	14959.2	14849.6	12923.2
45°	14794.9	14954.6	14904.4	14425.1	13516.7	13425.4	12882.2	13795.1	16716.7	16762.3	14447.9
47.5°	15949.8	16036.5	16132.4	15785.4	15219.4	15297.0	14301.8	15237.6	18424.0	18725.2	16146.1
50°	16246.5	16543.2	16766.9	16999.7	17123.0	17647.9	15867.6	17008.8	20386.9	20971.2	18035.9
52.5°	15945.2	15922.4	16602.6	17332.9	18565.5	19665.6	17999.4	19209.1	22121.5	23276.4	19766.0
55°	14575.7	14530.1	15625.7	16593.4	18999.1	20788.6	21044.2	22139.8	24216.8	25718.7	22107.8
57.5°	12179.2	11896.1	13092.1	14680.7	18058.8	20911.8	24102.7	26490.1	27439.6	29151.5	25682.2
60°	8184.9	8066.2	9212.0	11106.4	14662.5	19163.5	25933.2	31936.1	31981.7	33908.1	31228.5
62.5°	5039.7	5062.5	5797.4	7217.1	10266.5	15192.0	25143.5	36286.4	36295.6	38226.5	35793.4
65°	3295.9	3309.6	3903.0	4688.2	6413.7	10303.0	20793.1	36628.8	39294.7	41088.7	37884.1
66°	2935.2	2939.8	3451.1	4090.2	5313.5	8431.4	18364.6	35738.6	39970.3	41467.6	37856.7
67.5°	2474.2	2533.5	2944.4	3437.4	4144.9	6057.6	14571.2	33164.0	39623.4	40938.1	36998.5
70°	1935.5	1967.5	2291.6	2793.7	3108.7	3505.8	8659.6	27033.4	36268.2	38400.0	33876.2
72.5°	1552.1	1579.5	1826.0	2268.8	2524.4	2309.8	4715.5	19615.4	28649.3	30922.7	26645.3
75°	1310.1	1314.7	1433.4	1784.9	2077.0	1734.7	2510.7	12590.0	18382.9	19441.9	16324.1
77.5°	1059.1	1077.3	1159.5	1360.3	1670.8	1364.9	1497.3	7052.8	9230.2	9307.8	7545.8
80°	862.8	871.9	922.1	990.6	1273.6	1008.8	1013.4	3441.9	3957.8	3866.5	3067.6
82.5°	680.2	689.3	748.6	734.9	935.8	721.3	630.0	1657.1	1821.4	1784.9	1410.6
85°	383.5	383.5	588.9	588.9	593.4	456.5	383.5	780.6	963.2	899.3	661.9
87.5°	123.3	127.8	178.0	187.2	296.7	205.4	187.2	292.2	456.5	401.7	237.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P476613  
 CATALOG NUMBER: IFLD-S-SA6C-740-U-T2

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5240.5	5240.5	5240.5	5240.5	5240.5	5240.5	5240.5	5240.5	5240.5	5240.5	5240.5
2.5°	5350.1	5277.0	5245.1	5140.1	5112.7	5044.2	5012.3	4971.2	4957.5	4898.1	4952.9
5°	5391.2	5368.3	5240.5	5108.1	5007.7	4962.1	4893.6	4802.3	4793.1	4711.0	4701.9
7.5°	5564.6	5487.0	5263.3	5121.8	4921.0	4806.8	4656.2	4610.6	4551.2	4523.8	4583.2
10°	5833.9	5637.7	5304.4	4948.4	4701.9	4564.9	4455.3	4423.4	4428.0	4409.7	4382.3
12.5°	6025.7	5838.5	5235.9	4802.3	4482.7	4350.4	4341.2	4373.2	4423.4	4400.6	4432.5
15°	6299.6	5948.1	5185.7	4560.3	4304.7	4268.2	4263.6	4359.5	4354.9	4354.9	4350.4
17.5°	6555.2	6057.6	5003.1	4350.4	4117.5	4144.9	4176.9	4172.3	4218.0	4236.2	4268.2
20°	6879.3	6185.4	4747.5	4140.4	3976.0	3966.9	3962.3	3966.9	4012.6	4039.9	4017.1
22.5°	7162.3	6212.8	4532.9	3939.5	3807.1	3770.6	3711.3	3770.6	3747.8	3756.9	3784.3
25°	7408.8	6217.4	4227.1	3788.9	3638.2	3556.1	3510.4	3505.8	3464.8	3460.2	3460.2
27.5°	7614.3	6062.2	3957.8	3578.9	3437.4	3359.8	3355.2	3305.0	3200.0	3131.5	3140.7
30°	7774.0	5943.5	3770.6	3396.3	3259.3	3245.6	3204.6	3090.4	2953.5	2866.8	2866.8
32.5°	8057.1	5706.1	3515.0	3209.1	3140.7	3122.4	3026.5	2926.1	2798.3	2716.1	2702.4
35°	8267.0	5487.0	3346.1	3049.4	3017.4	2980.9	2898.7	2789.2	2752.6	2734.4	2748.1
37.5°	8504.4	5240.5	3140.7	2912.4	2944.4	2875.9	2780.0	2729.8	2857.6	2825.7	2839.4
40°	8883.3	5067.0	2939.8	2830.2	2862.2	2784.6	2661.3	2643.1	2802.9	2688.7	2661.3
42.5°	9577.2	5062.5	2816.5	2707.0	2729.8	2670.5	2560.9	2551.8	2615.7	2478.7	2437.7
45°	10439.9	5222.3	2725.2	2615.7	2597.4	2588.3	2551.8	2510.7	2455.9	2277.9	2232.2
47.5°	11471.6	5482.4	2707.0	2478.7	2501.6	2579.2	2533.5	2428.5	2287.0	2172.9	2150.1
50°	12722.4	6021.1	2661.3	2378.3	2419.4	2542.7	2506.1	2360.1	2232.2	2159.2	2145.5
52.5°	14105.6	6701.3	2602.0	2223.1	2314.4	2510.7	2529.0	2392.0	2204.8	2140.9	2131.8
55°	15735.2	7705.6	2533.5	2054.2	2191.2	2478.7	2529.0	2300.7	2168.3	2168.3	2159.2
57.5°	18953.5	9513.3	2392.0	1899.0	2081.6	2419.4	2455.9	2305.3	2172.9	2172.9	2154.6
60°	23673.6	12334.4	2122.7	1780.3	1976.6	2337.2	2401.1	2236.8	2122.7	2150.1	2145.5
62.5°	27366.6	13192.6	1894.4	1666.2	1871.6	2186.6	2328.1	2163.8	2063.3	2163.8	2172.9
65°	28156.3	12325.2	1661.6	1542.9	1725.5	2040.5	2223.1	2058.8	1976.6	2172.9	2182.0
66°	27873.3	11649.6	1579.5	1506.4	1661.6	1967.5	2159.2	2022.3	1931.0	2163.8	2168.3
67.5°	26613.4	10636.2	1488.2	1428.8	1574.9	1862.5	2086.2	1972.0	1857.9	2136.4	2095.3
70°	23874.4	9020.3	1333.0	1291.9	1451.6	1689.0	1917.3	1844.2	1743.8	1967.5	1894.4
72.5°	18387.4	7208.0	1168.6	1173.2	1310.1	1511.0	1748.4	1698.1	1611.4	1725.5	1679.9
75°	11197.7	4606.0	1018.0	1027.1	1141.2	1342.1	1588.6	1552.1	1447.1	1511.0	1488.2
77.5°	4962.1	2282.5	858.2	876.5	967.8	1182.3	1383.2	1323.8	1214.3	1228.0	1218.8
80°	1926.4	1081.9	698.4	721.3	780.6	944.9	1145.8	1091.0	995.1	976.9	967.8
82.5°	926.7	602.6	538.7	547.8	570.6	753.2	986.0	917.5	789.7	707.6	707.6
85°	465.6	374.3	378.9	346.9	378.9	511.3	666.5	556.9	461.1	410.8	420.0
87.5°	187.2	187.2	187.2	159.8	168.9	241.9	310.4	210.0	191.7	114.1	114.1
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)