

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: P476612

Luminaire Tested: **IFLD-S-SA6B-740-U-T2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P476612
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-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

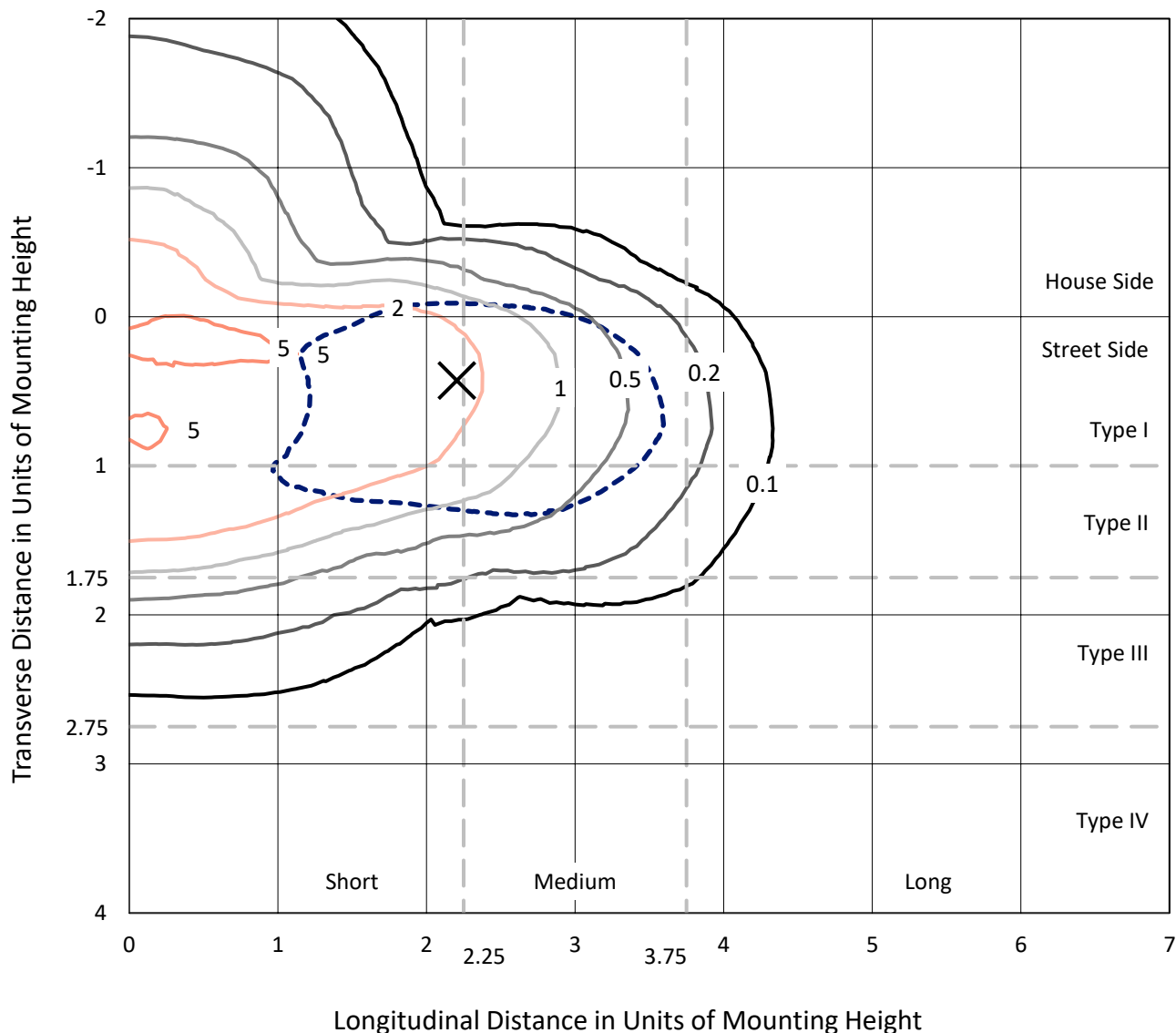
Lumens per Lamp: N/A
Luminaire Lumens: 33339.4 lumens
Efficiency: N/A
Efficacy: 136.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 244.9
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

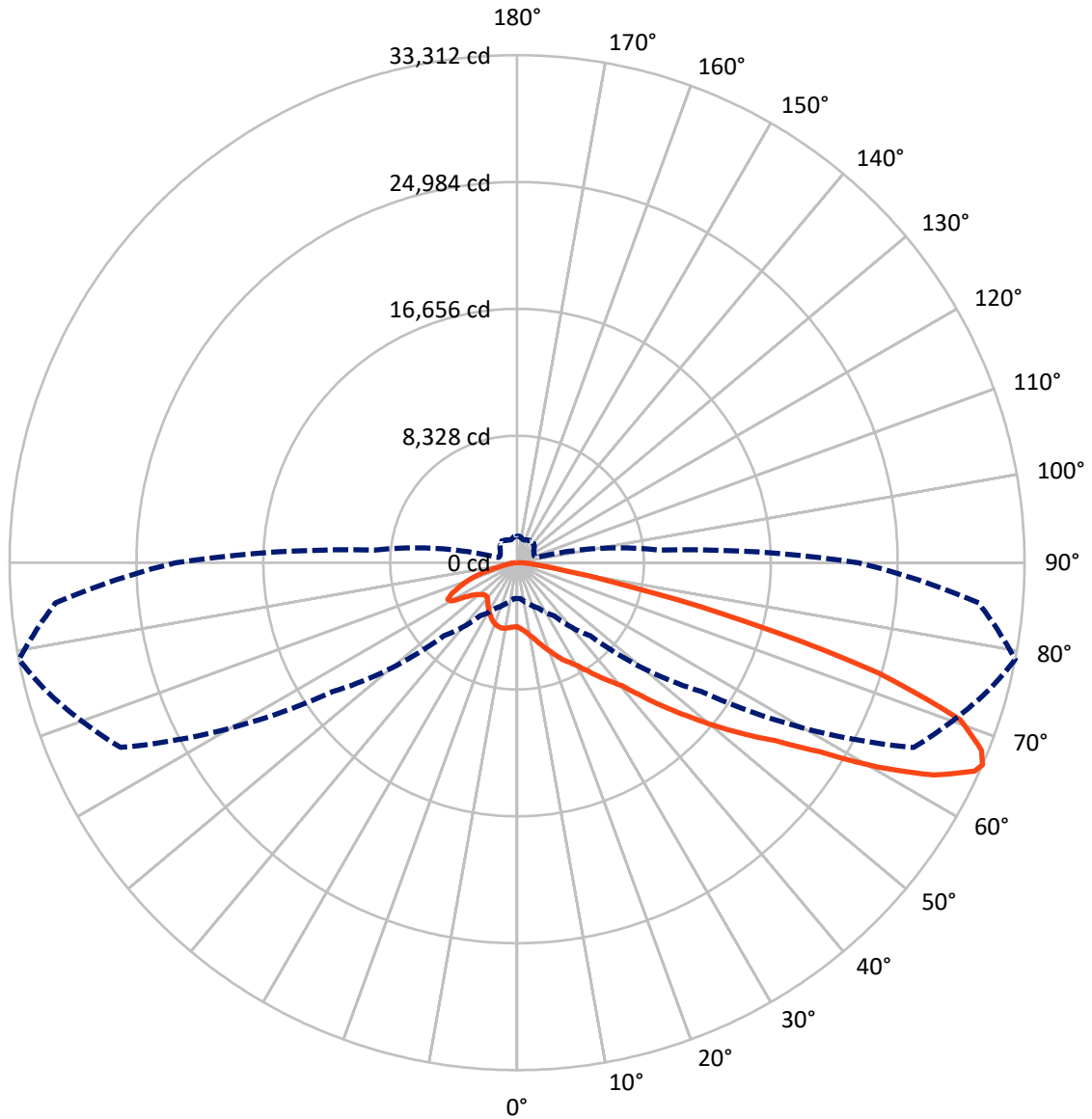
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 5.9 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
House Side	Lumens	6732.4	0.0	6732.4
	% Fixture	20.2	0.0	20.2
Street Side	Lumens	26607.0	0.0	26607.0
	% Fixture	79.8	0.0	79.8
Total	Lumens	33339.4	0.0	33339.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	414.0	1.2
10°-20°	1278.3	3.8
20°-30°	2194.2	6.6
30°-40°	3389.6	10.2
40°-50°	5429.2	16.3
50°-60°	8106.2	24.3
60°-70°	8329.2	25.0
70°-80°	3692.2	11.1
80°-90°	506.6	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°	33339.4	100.0
0°-180°	33339.4	100.0

Coefficient of Utilization

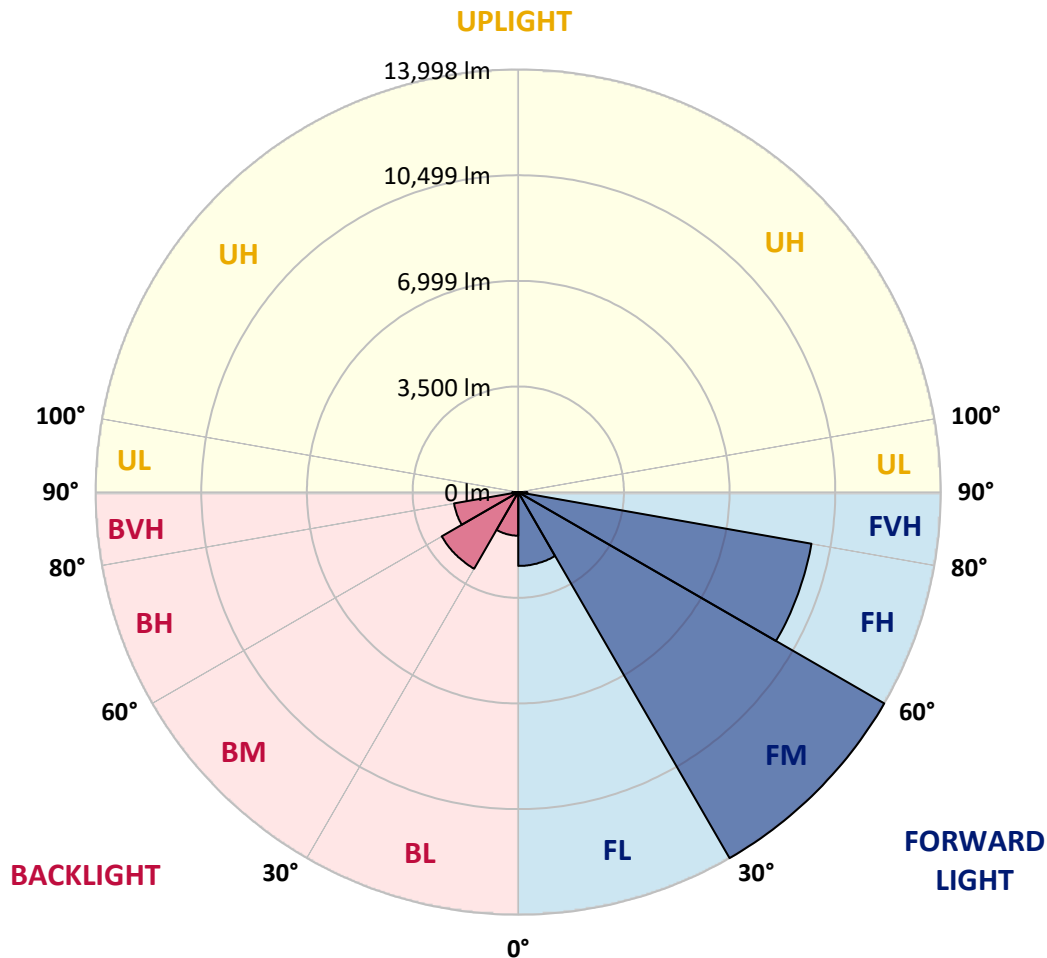


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2444.0	7.3			
FM (30°-60°)	13998.1	42.0			
FH (60°-80°)	9861.0	29.6			G4/12000
FVH (80°-90°)	303.8	0.9			G3/500
BL (0°-30°)	1442.4	4.3	B3/2500		
BM (30°-60°)	2927.0	8.8	B3/5000		
BH (60°-80°)	2160.3	6.5	B3/2500		G3/2500
BVH (80°-90°)	202.8	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	4209.8	4209.8	4209.8	4209.8	4209.8	4209.8	4209.8	4209.8	4209.8	4209.8	4209.8
2.5°	4477.5	4481.2	4481.2	4466.5	4470.2	4481.2	4440.9	4352.9	4352.9	4338.2	4312.5
5°	4752.6	4734.2	4708.6	4712.2	4697.6	4697.6	4653.6	4569.2	4495.9	4466.5	4389.5
7.5°	4789.2	4807.6	4803.9	4847.9	4869.9	4869.9	4891.9	4822.2	4712.2	4642.6	4565.5
10°	4862.6	4814.9	4811.2	4913.9	4946.9	5023.9	5111.9	5075.3	4983.6	4884.6	4781.9
12.5°	4906.6	4935.9	4935.9	4987.3	5064.3	5178.0	5332.0	5401.7	5258.6	5156.0	4998.3
15°	4972.6	4932.3	5049.6	5093.6	5240.3	5321.0	5541.0	5720.7	5625.3	5500.7	5251.3
17.5°	5001.9	4976.3	5042.3	5123.0	5372.3	5493.3	5761.0	6010.4	5929.7	5849.0	5592.3
20°	5152.3	5148.6	5178.0	5244.0	5423.7	5662.0	5995.7	6340.4	6369.8	6223.1	5874.7
22.5°	5519.0	5471.3	5471.3	5445.7	5522.7	5768.4	6219.4	6696.1	6828.2	6655.8	6193.7
25°	5856.4	5922.4	5882.0	5764.7	5735.4	5863.7	6380.8	7073.9	7249.9	7088.5	6626.5
27.5°	6289.1	6311.1	6380.8	6223.1	6021.4	6061.7	6556.8	7286.5	7649.6	7433.2	6872.2
30°	6912.5	6872.2	6857.5	6681.5	6417.4	6362.4	6758.5	7598.2	8174.0	7869.6	7161.9
32.5°	7334.2	7433.2	7429.6	7187.5	6868.5	6747.5	7007.8	7891.6	8735.1	8452.7	7697.3
35°	8170.3	8273.0	8192.3	7836.6	7462.6	7220.5	7367.2	8273.0	9376.8	9156.8	8152.0
37.5°	9237.4	9479.5	9307.1	8650.7	8122.6	7858.6	7865.9	8687.4	10033.2	9853.5	8639.7
40°	9974.5	10300.9	10062.5	9446.5	8885.4	8636.0	8537.0	9178.8	10818.0	10627.3	9402.5
42.5°	10887.6	11159.0	11034.3	10425.6	9769.2	9556.5	9358.5	10000.2	12017.1	11929.1	10381.6
45°	11885.1	12013.4	11973.1	11588.1	10858.3	10785.0	10348.6	11082.0	13429.0	13465.6	11606.4
47.5°	12812.9	12882.6	12959.6	12680.9	12226.1	12288.5	11489.0	12240.8	14800.4	15042.5	12970.6
50°	13051.2	13289.6	13469.3	13656.3	13755.3	14177.0	12746.9	13663.6	16377.3	16846.7	14488.7
52.5°	12809.2	12790.9	13337.3	13924.0	14914.1	15797.9	14459.4	15431.2	17770.8	18698.6	15878.6
55°	11709.1	11672.4	12552.5	13329.9	15262.5	16700.0	16905.4	17785.5	19454.0	20660.5	17759.8
57.5°	9783.8	9556.5	10517.3	11793.4	14507.1	16799.0	19362.3	21280.2	22043.0	23418.2	20631.2
60°	6575.1	6479.8	7400.2	8922.1	11778.8	15394.5	20832.8	25655.1	25691.8	27239.3	25086.7
62.5°	4048.5	4066.8	4657.2	5797.7	8247.3	12204.1	20198.4	29149.8	29157.2	30708.4	28753.8
65°	2647.7	2658.7	3135.4	3766.1	5152.3	8276.7	16703.7	29424.9	31566.5	33007.6	30433.3
66°	2358.0	2361.6	2772.3	3285.7	4268.5	6773.1	14752.8	28709.8	32109.2	33312.0	30411.3
67.5°	1987.6	2035.2	2365.3	2761.3	3329.7	4866.3	11705.4	26641.5	31830.5	32886.6	29721.9
70°	1554.9	1580.5	1840.9	2244.3	2497.3	2816.3	6956.5	21716.6	29135.2	30847.7	27213.6
72.5°	1246.8	1268.8	1466.8	1822.6	2027.9	1855.6	3788.1	15757.6	23014.8	24841.0	21404.9
75°	1052.5	1056.1	1151.5	1433.8	1668.5	1393.5	2016.9	10113.9	14767.4	15618.2	13113.6
77.5°	850.8	865.4	931.4	1092.8	1342.2	1096.5	1202.8	5665.7	7414.9	7477.2	6061.7
80°	693.1	700.4	740.8	795.8	1023.1	810.4	814.1	2765.0	3179.4	3106.0	2464.3
82.5°	546.4	553.7	601.4	590.4	751.8	579.4	506.1	1331.2	1463.2	1433.8	1133.1
85°	308.0	308.0	473.1	473.1	476.7	366.7	308.0	627.1	773.8	722.4	531.7
87.5°	99.0	102.7	143.0	150.4	238.4	165.0	150.4	234.7	366.7	322.7	190.7
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°	4209.8	4209.8	4209.8	4209.8	4209.8	4209.8	4209.8	4209.8	4209.8	4209.8	4209.8
2.5°	4297.9	4239.2	4213.5	4129.2	4107.2	4052.2	4026.5	3993.5	3982.5	3934.8	3978.8
5°	4330.9	4312.5	4209.8	4103.5	4022.8	3986.1	3931.1	3857.8	3850.5	3784.5	3777.1
7.5°	4470.2	4407.9	4228.2	4114.5	3953.1	3861.5	3740.5	3703.8	3656.1	3634.1	3681.8
10°	4686.6	4528.9	4261.2	3975.1	3777.1	3667.1	3579.1	3553.4	3557.1	3542.4	3520.4
12.5°	4840.6	4690.2	4206.2	3857.8	3601.1	3494.8	3487.4	3513.1	3553.4	3535.1	3560.8
15°	5060.6	4778.2	4165.8	3663.4	3458.1	3428.7	3425.1	3502.1	3498.4	3498.4	3494.8
17.5°	5266.0	4866.3	4019.2	3494.8	3307.7	3329.7	3355.4	3351.7	3388.4	3403.1	3428.7
20°	5526.3	4968.9	3813.8	3326.1	3194.1	3186.7	3183.0	3186.7	3223.4	3245.4	3227.1
22.5°	5753.7	4990.9	3641.4	3164.7	3058.4	3029.0	2981.4	3029.0	3010.7	3018.0	3040.0
25°	5951.7	4994.6	3395.7	3043.7	2922.7	2856.7	2820.0	2816.3	2783.3	2779.7	2779.7
27.5°	6116.7	4869.9	3179.4	2875.0	2761.3	2699.0	2695.3	2655.0	2570.6	2515.6	2523.0
30°	6245.1	4774.6	3029.0	2728.3	2618.3	2607.3	2574.3	2482.6	2372.6	2302.9	2302.9
32.5°	6472.4	4583.9	2823.7	2578.0	2523.0	2508.3	2431.3	2350.6	2247.9	2181.9	2170.9
35°	6641.1	4407.9	2688.0	2449.6	2424.0	2394.6	2328.6	2240.6	2211.3	2196.6	2207.6
37.5°	6831.8	4209.8	2523.0	2339.6	2365.3	2310.3	2233.3	2192.9	2295.6	2269.9	2280.9
40°	7136.2	4070.5	2361.6	2273.6	2299.3	2236.9	2137.9	2123.3	2251.6	2159.9	2137.9
42.5°	7693.6	4066.8	2262.6	2174.6	2192.9	2145.3	2057.2	2049.9	2101.3	1991.2	1958.2
45°	8386.7	4195.2	2189.3	2101.3	2086.6	2079.3	2049.9	2016.9	1972.9	1829.9	1793.2
47.5°	9215.4	4404.2	2174.6	1991.2	2009.6	2071.9	2035.2	1950.9	1837.2	1745.5	1727.2
50°	10220.2	4836.9	2137.9	1910.6	1943.6	2042.6	2013.2	1895.9	1793.2	1734.5	1723.5
52.5°	11331.4	5383.3	2090.3	1785.9	1859.2	2016.9	2031.6	1921.6	1771.2	1719.9	1712.5
55°	12640.5	6190.1	2035.2	1650.2	1760.2	1991.2	2031.6	1848.2	1741.9	1741.9	1734.5
57.5°	15225.8	7642.3	1921.6	1525.5	1672.2	1943.6	1972.9	1851.9	1745.5	1745.5	1730.9
60°	19017.6	9908.5	1705.2	1430.2	1587.9	1877.6	1928.9	1796.9	1705.2	1727.2	1723.5
62.5°	21984.3	10597.9	1521.8	1338.5	1503.5	1756.5	1870.2	1738.2	1657.5	1738.2	1745.5
65°	22618.7	9901.2	1334.8	1239.5	1386.2	1639.2	1785.9	1653.9	1587.9	1745.5	1752.9
66°	22391.4	9358.5	1268.8	1210.1	1334.8	1580.5	1734.5	1624.5	1551.2	1738.2	1741.9
67.5°	21379.2	8544.4	1195.5	1147.8	1265.2	1496.2	1675.9	1584.2	1492.5	1716.2	1683.2
70°	19179.0	7246.2	1070.8	1037.8	1166.1	1356.8	1540.2	1481.5	1400.8	1580.5	1521.8
72.5°	14771.1	5790.4	938.8	942.4	1052.5	1213.8	1404.5	1364.2	1294.5	1386.2	1349.5
75°	8995.4	3700.1	817.8	825.1	916.8	1078.1	1276.2	1246.8	1162.5	1213.8	1195.5
77.5°	3986.1	1833.6	689.4	704.1	777.4	949.8	1111.1	1063.5	975.5	986.5	979.1
80°	1547.5	869.1	561.1	579.4	627.1	759.1	920.4	876.4	799.4	784.8	777.4
82.5°	744.4	484.1	432.7	440.1	458.4	605.1	792.1	737.1	634.4	568.4	568.4
85°	374.0	300.7	304.4	278.7	304.4	410.7	535.4	447.4	370.4	330.0	337.4
87.5°	150.4	150.4	150.4	128.3	135.7	194.4	249.4	168.7	154.0	91.7	91.7
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)