

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: P476614

Luminaire Tested: **IFLD-S-SA6D-740-U-T2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P476614
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6D-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

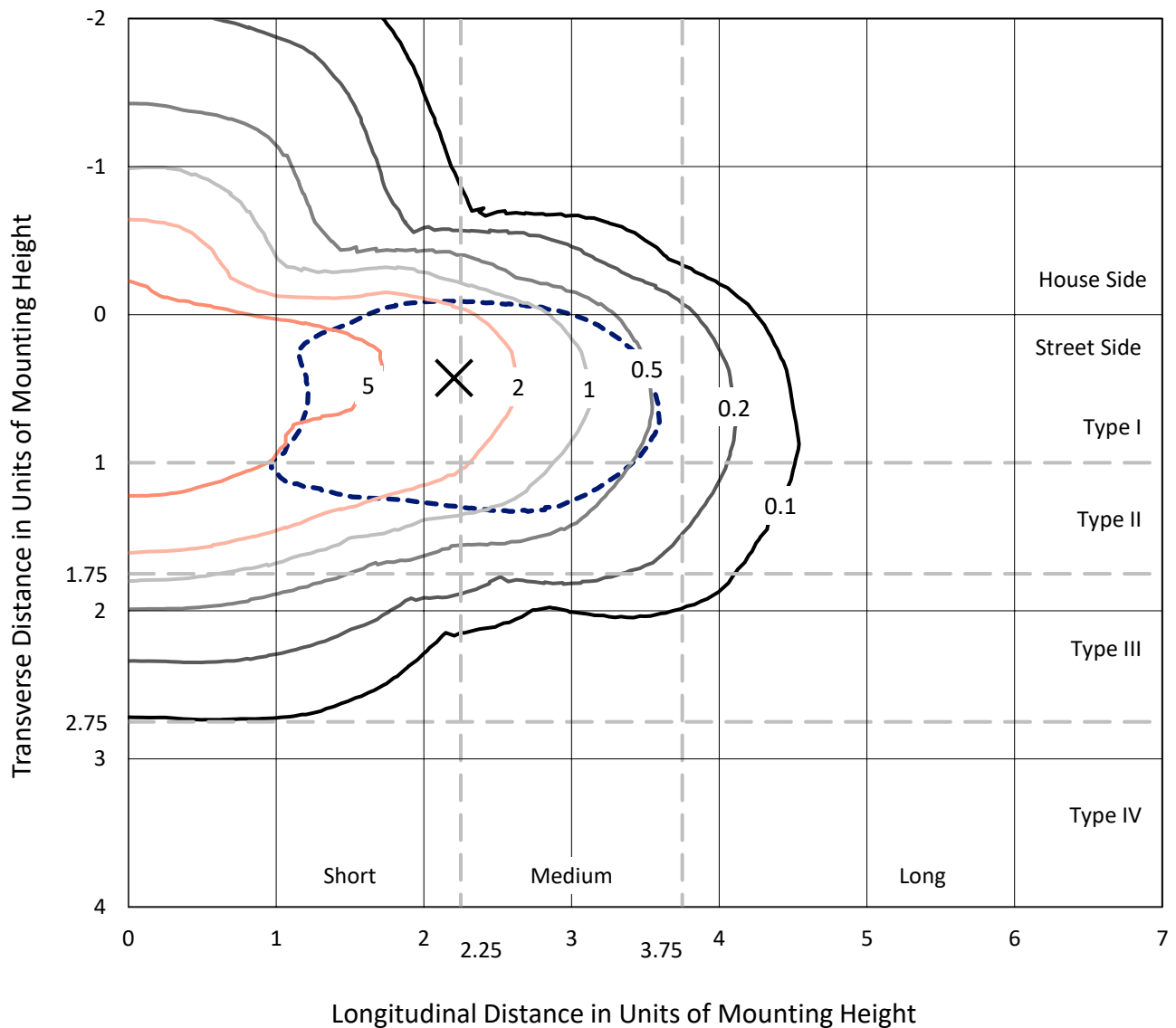
Lumens per Lamp: N/A
Luminaire Lumens: 45666.7 lumens
Efficiency: N/A
Efficacy: 124.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G5

Input Watts (W): 368.2
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: P476614
 CATALOG NUMBER: IFLD-S-SA6D-740-U-T2

Iso-Footcandle Lines of Horizontal Illumination

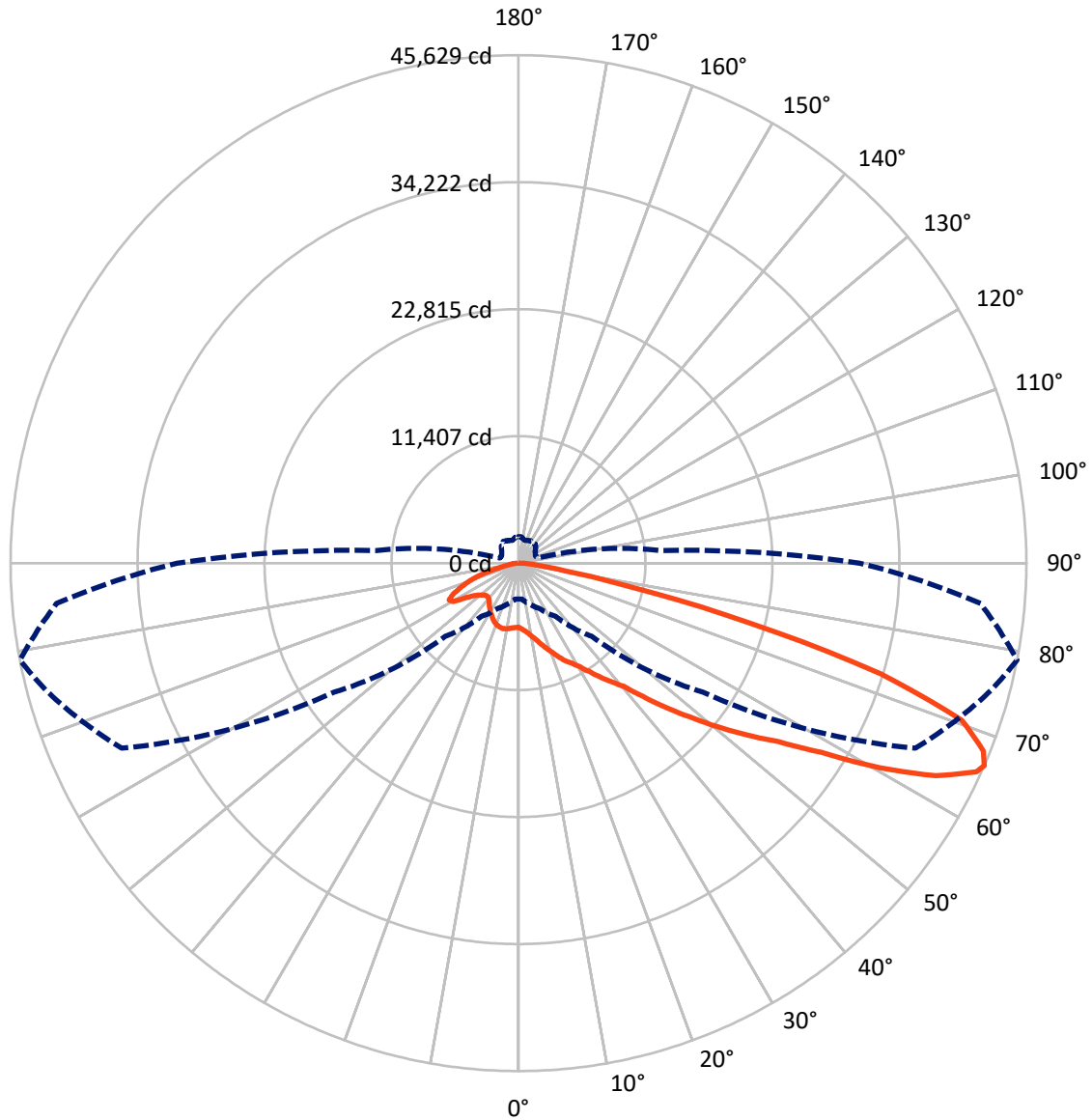
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.1 fc
 Type II - Short - N/A

REPORT NUMBER: P476614
CATALOG NUMBER: IFLD-S-SA6D-740-U-T2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P476614

CATALOG NUMBER: IFLD-S-SA6D-740-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9221.7	0.0	9221.7
	% Fixture	20.2	0.0	20.2
Street Side	Lumens	36444.9	0.0	36444.9
	% Fixture	79.8	0.0	79.8
Total	Lumens	45666.7	0.0	45666.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	567.0	1.2
10°-20°	1750.9	3.8
20°-30°	3005.5	6.6
30°-40°	4642.9	10.2
40°-50°	7436.7	16.3
50°-60°	11103.5	24.3
60°-70°	11408.9	25.0
70°-80°	5057.4	11.1
80°-90°	693.9	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°	45666.7	100.0
0°-180°	45666.7	100.0

Coefficient of Utilization



REPORT NUMBER: P476614

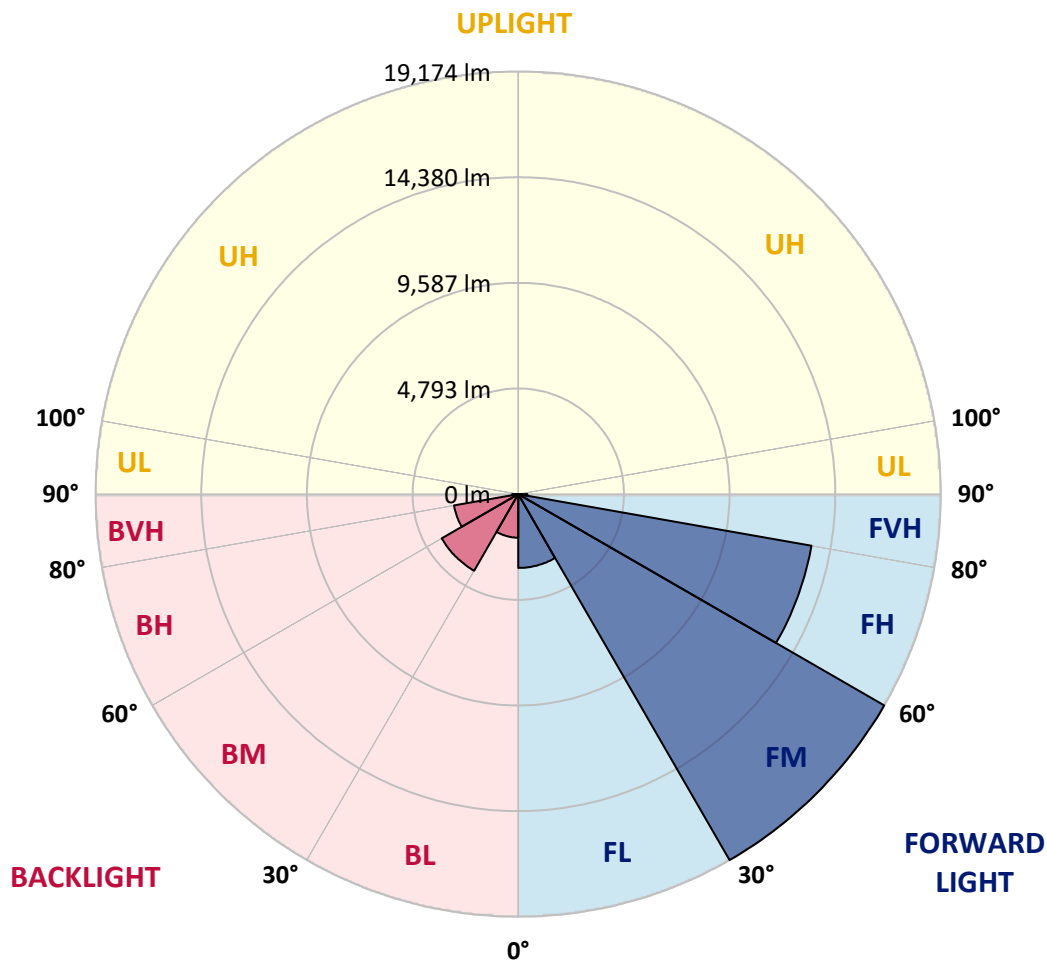
CATALOG NUMBER: IFLD-S-SA6D-740-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3347.7	7.3			
FM (30°-60°)	19173.9	42.0			
FH (60°-80°)	13507.2	29.6			G5
FVH (80°-90°)	416.2	0.9			G3/500
BL (0°-30°)	1975.7	4.3	B3/2500		
BM (30°-60°)	4009.2	8.8	B3/5000		
BH (60°-80°)	2959.1	6.5	B4/5000		G4/5000
BVH (80°-90°)	277.7	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: P476614

CATALOG NUMBER: IFLD-S-SA6D-740-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	5766.4	5766.4	5766.4	5766.4	5766.4	5766.4	5766.4	5766.4	5766.4	5766.4	5766.4
2.5°	6133.1	6138.1	6138.1	6118.0	6123.1	6138.1	6082.9	5962.3	5962.3	5942.2	5907.1
5°	6509.8	6484.7	6449.6	6454.6	6434.5	6434.5	6374.2	6258.7	6158.2	6118.0	6012.6
7.5°	6560.1	6585.2	6580.2	6640.4	6670.6	6670.6	6700.7	6605.3	6454.6	6359.1	6253.7
10°	6660.5	6595.2	6590.2	6730.9	6776.1	6881.5	7002.1	6951.9	6826.3	6690.7	6550.0
12.5°	6720.8	6761.0	6761.0	6831.3	6936.8	7092.5	7303.5	7398.9	7203.0	7062.4	6846.4
15°	6811.2	6756.0	6916.7	6977.0	7177.9	7288.4	7589.8	7835.9	7705.3	7534.5	7193.0
17.5°	6851.4	6816.2	6906.7	7017.2	7358.7	7524.5	7891.2	8232.7	8122.2	8011.7	7660.1
20°	7057.3	7052.3	7092.5	7182.9	7429.1	7755.5	8212.6	8684.8	8725.0	8524.1	8046.9
22.5°	7559.7	7494.4	7494.4	7459.2	7564.7	7901.2	8519.0	9172.0	9352.9	9116.8	8483.9
25°	8021.8	8112.2	8056.9	7896.2	7856.0	8031.8	8740.1	9689.4	9930.5	9709.5	9076.6
27.5°	8614.5	8644.6	8740.1	8524.1	8247.8	8303.1	8981.2	9980.7	10478.0	10181.7	9413.1
30°	9468.4	9413.1	9393.1	9152.0	8790.3	8714.9	9257.4	10407.7	11196.3	10779.4	9810.0
32.5°	10046.0	10181.7	10176.6	9845.1	9408.1	9242.4	9599.0	10809.5	11964.8	11578.1	10543.3
35°	11191.3	11331.9	11221.4	10734.2	10221.9	9890.3	10091.3	11331.9	12843.9	12542.5	11166.2
37.5°	12653.0	12984.5	12748.4	11849.3	11126.0	10764.3	10774.4	11899.5	13743.0	13496.9	11834.2
40°	13662.6	14109.7	13783.2	12939.3	12170.8	11829.2	11693.6	12572.6	14817.9	14556.7	12879.0
42.5°	14913.4	15285.1	15114.3	14280.5	13381.3	13090.0	12818.8	13697.8	16460.5	16339.9	14220.2
45°	16279.6	16455.4	16400.2	15872.8	14873.2	14772.7	14175.0	15179.6	18394.3	18444.5	15897.9
47.5°	17550.4	17645.9	17751.4	17369.6	16746.8	16832.2	15737.1	16766.9	20272.9	20604.4	17766.4
50°	17876.9	18203.4	18449.6	18705.7	18841.4	19419.0	17460.0	18715.8	22432.8	23075.8	19846.0
52.5°	17545.4	17520.3	18268.7	19072.4	20428.6	21639.2	19805.8	21136.9	24341.6	25612.4	21749.7
55°	16038.5	15988.3	17193.8	18258.7	20905.8	22874.9	23156.1	24361.7	26647.1	28299.7	24326.5
57.5°	13401.4	13090.0	14406.0	16154.0	19871.1	23010.5	26521.6	29148.6	30193.4	32077.0	28259.5
60°	9006.3	8875.7	10136.5	12221.0	16134.0	21086.7	28535.8	35141.1	35191.3	37311.0	34362.5
62.5°	5545.4	5570.5	6379.2	7941.4	11296.8	16716.6	27666.8	39928.0	39938.1	42062.8	39385.5
65°	3626.6	3641.7	4294.7	5158.6	7057.3	11337.0	22879.9	40304.7	43238.2	45212.2	41686.1
66°	3229.8	3234.8	3797.4	4500.6	5846.8	9277.5	20207.6	39325.3	43981.6	45629.2	41655.9
67.5°	2722.5	2787.8	3239.9	3782.3	4560.9	6665.6	16033.5	36492.3	43599.9	45046.5	40711.6
70°	2129.8	2164.9	2521.6	3074.1	3420.7	3857.7	9528.7	29746.4	39907.9	42253.7	37275.9
72.5°	1707.8	1738.0	2009.2	2496.4	2777.7	2541.7	5188.8	21583.9	31524.5	34026.0	29319.4
75°	1441.6	1446.6	1577.2	1964.0	2285.5	1908.7	2762.7	13853.5	20227.7	21393.1	17962.3
77.5°	1165.3	1185.4	1275.8	1496.9	1838.4	1501.9	1647.6	7760.6	10156.6	10241.9	8303.1
80°	949.4	959.4	1014.7	1090.0	1401.4	1110.1	1115.1	3787.4	4355.0	4254.5	3375.5
82.5°	748.4	758.5	823.8	808.7	1029.7	793.6	693.2	1823.4	2004.2	1964.0	1552.1
85°	421.9	421.9	648.0	648.0	653.0	502.3	421.9	858.9	1059.9	989.5	728.3
87.5°	135.6	140.6	195.9	205.9	326.5	226.0	205.9	321.5	502.3	442.0	261.2
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: P476614
 CATALOG NUMBER: IFLD-S-SA6D-740-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5766.4	5766.4	5766.4	5766.4	5766.4	5766.4	5766.4	5766.4	5766.4	5766.4	5766.4
2.5°	5887.0	5806.6	5771.5	5655.9	5625.8	5550.4	5515.3	5470.1	5455.0	5389.7	5450.0
5°	5932.2	5907.1	5766.4	5620.8	5510.3	5460.0	5384.7	5284.2	5274.2	5183.8	5173.7
7.5°	6123.1	6037.7	5791.5	5635.8	5414.8	5289.2	5123.5	5073.3	5008.0	4977.8	5043.1
10°	6419.4	6203.4	5836.8	5445.0	5173.7	5023.0	4902.5	4867.3	4872.3	4852.2	4822.1
12.5°	6630.4	6424.4	5761.4	5284.2	4932.6	4786.9	4776.9	4812.1	4867.3	4842.2	4877.4
15°	6931.8	6545.0	5706.2	5018.0	4736.7	4696.5	4691.5	4797.0	4792.0	4792.0	4786.9
17.5°	7213.1	6665.6	5505.2	4786.9	4530.8	4560.9	4596.1	4591.0	4641.3	4661.4	4696.5
20°	7569.7	6806.2	5223.9	4555.9	4375.1	4365.0	4360.0	4365.0	4415.2	4445.4	4420.3
22.5°	7881.1	6836.3	4987.9	4334.9	4189.2	4149.0	4083.7	4149.0	4123.9	4133.9	4164.1
25°	8152.4	6841.4	4651.3	4169.1	4003.4	3912.9	3862.7	3857.7	3812.5	3807.5	3807.5
27.5°	8378.4	6670.6	4355.0	3938.1	3782.3	3696.9	3691.9	3636.7	3521.1	3445.8	3455.8
30°	8554.2	6540.0	4149.0	3737.1	3586.4	3571.4	3526.2	3400.6	3249.9	3154.5	3154.5
32.5°	8865.6	6278.8	3867.7	3531.2	3455.8	3435.7	3330.3	3219.8	3079.1	2988.7	2973.6
35°	9096.7	6037.7	3681.9	3355.4	3320.2	3280.0	3189.6	3069.1	3028.9	3008.8	3023.9
37.5°	9357.9	5766.4	3455.8	3204.7	3239.9	3164.5	3059.0	3003.8	3144.4	3109.3	3124.3
40°	9774.8	5575.6	3234.8	3114.3	3149.4	3064.0	2928.4	2908.3	3084.1	2958.6	2928.4
42.5°	10538.3	5570.5	3099.2	2978.7	3003.8	2938.5	2817.9	2807.9	2878.2	2727.5	2682.3
45°	11487.7	5746.3	2998.7	2878.2	2858.1	2848.1	2807.9	2762.7	2702.4	2506.5	2456.3
47.5°	12622.9	6032.7	2978.7	2727.5	2752.6	2838.0	2787.8	2672.2	2516.5	2391.0	2365.8
50°	13999.2	6625.4	2928.4	2617.0	2662.2	2797.8	2757.6	2596.9	2456.3	2375.9	2360.8
52.5°	15521.1	7373.8	2863.1	2446.2	2546.7	2762.7	2782.8	2632.1	2426.1	2355.8	2345.8
55°	17314.4	8478.9	2787.8	2260.4	2411.1	2727.5	2782.8	2531.6	2385.9	2385.9	2375.9
57.5°	20855.6	10468.0	2632.1	2089.6	2290.5	2662.2	2702.4	2536.6	2391.0	2391.0	2370.9
60°	26049.4	13572.2	2335.7	1959.0	2175.0	2571.8	2642.1	2461.3	2335.7	2365.8	2360.8
62.5°	30113.0	14516.5	2084.6	1833.4	2059.4	2406.0	2561.7	2380.9	2270.4	2380.9	2391.0
65°	30982.0	13562.2	1828.4	1697.8	1898.7	2245.3	2446.2	2265.4	2175.0	2391.0	2401.0
66°	30670.6	12818.8	1738.0	1657.6	1828.4	2164.9	2375.9	2225.2	2124.7	2380.9	2385.9
67.5°	29284.2	11703.6	1637.5	1572.2	1732.9	2049.4	2295.5	2169.9	2044.4	2350.8	2305.6
70°	26270.4	9925.5	1466.7	1421.5	1597.3	1858.5	2109.7	2029.3	1918.8	2164.9	2084.6
72.5°	20232.7	7931.4	1285.9	1290.9	1441.6	1662.6	1923.8	1868.6	1773.1	1898.7	1848.5
75°	12321.5	5068.2	1120.1	1130.2	1255.8	1476.8	1748.0	1707.8	1592.3	1662.6	1637.5
77.5°	5460.0	2511.5	944.3	964.4	1064.9	1301.0	1522.0	1456.7	1336.1	1351.2	1341.1
80°	2119.7	1190.5	768.5	793.6	858.9	1039.8	1260.8	1200.5	1095.0	1074.9	1064.9
82.5°	1019.7	663.0	592.7	602.8	627.9	828.8	1085.0	1009.6	869.0	778.6	778.6
85°	512.3	411.9	416.9	381.7	416.9	562.6	733.4	612.8	507.3	452.1	462.1
87.5°	205.9	205.9	205.9	175.8	185.9	266.2	341.6	231.1	211.0	125.6	125.6
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)