

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: P480161

Luminaire Tested: **IFLD-S-SA6B-750-U-SL2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P480161
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-750-U-SL2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

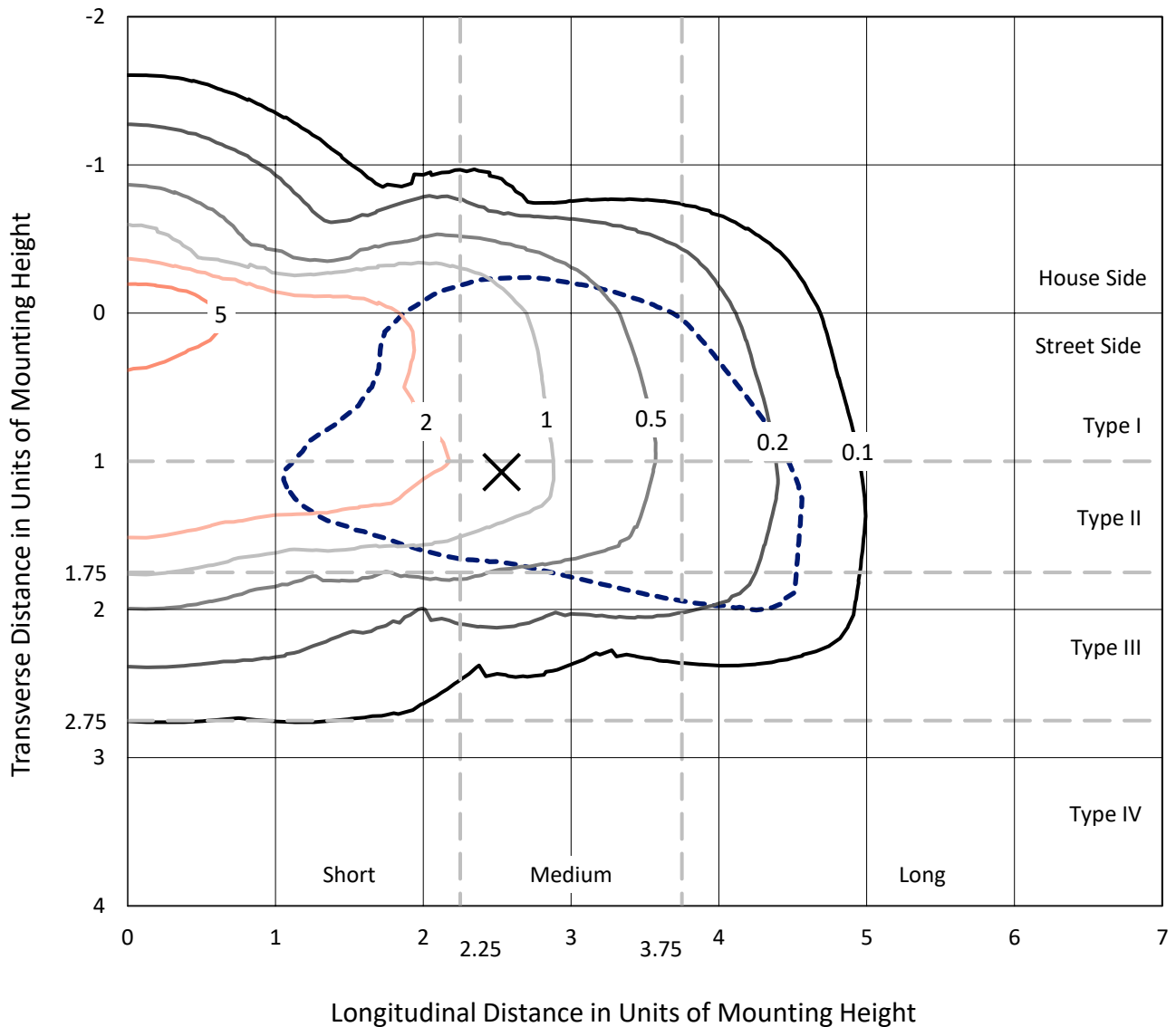
Lumens per Lamp: N/A
Luminaire Lumens: 34043.6 lumens
Efficiency: N/A
Efficacy: 139.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

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

REPORT NUMBER: P480161
 CATALOG NUMBER: IFLD-S-SA6B-750-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

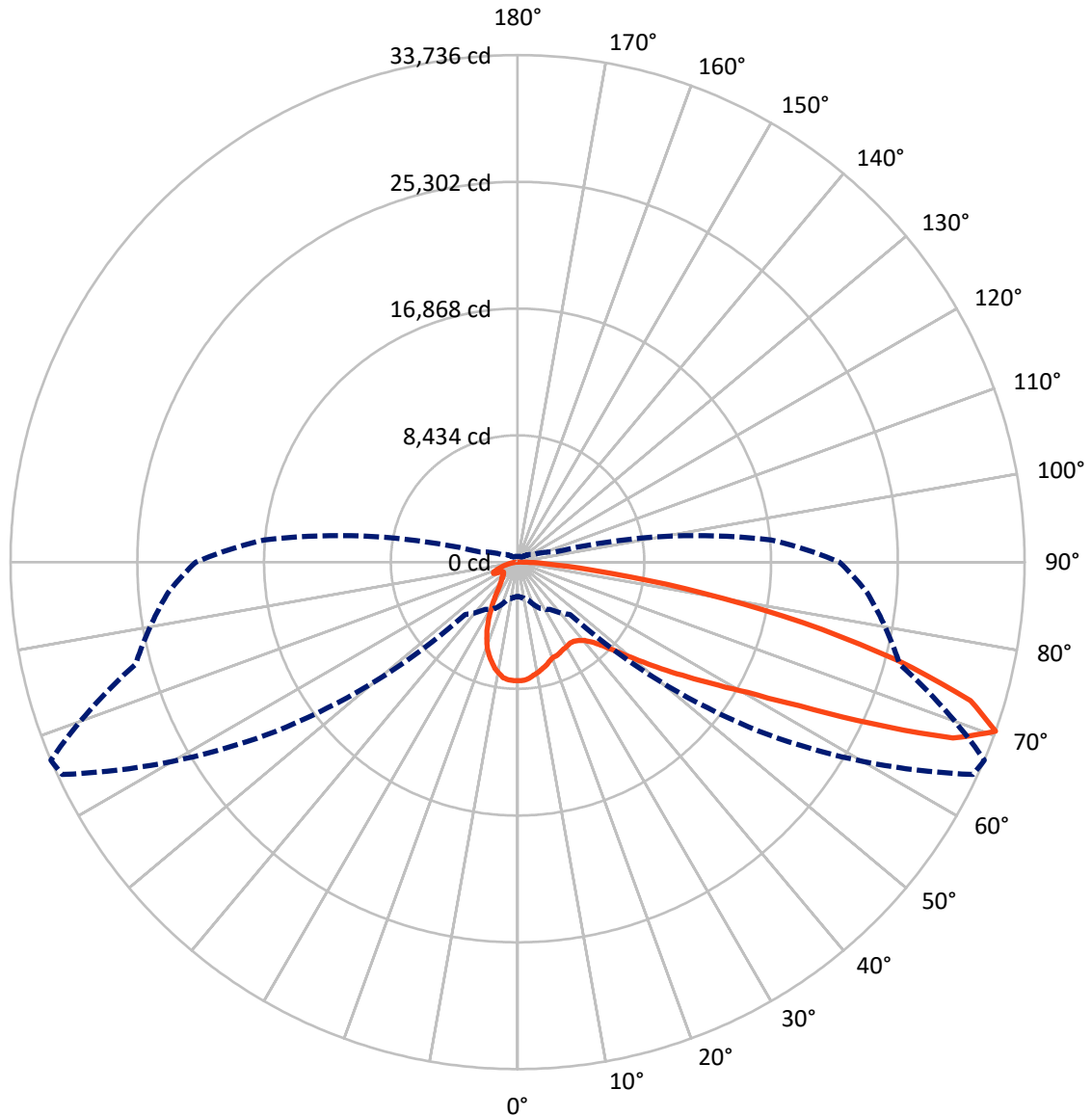
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.8 fc
 Type III - Medium - N/A

REPORT NUMBER: P480161
CATALOG NUMBER: IFLD-S-SA6B-750-U-SL2

Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P480161
 CATALOG NUMBER: IFLD-S-SA6B-750-U-SL2

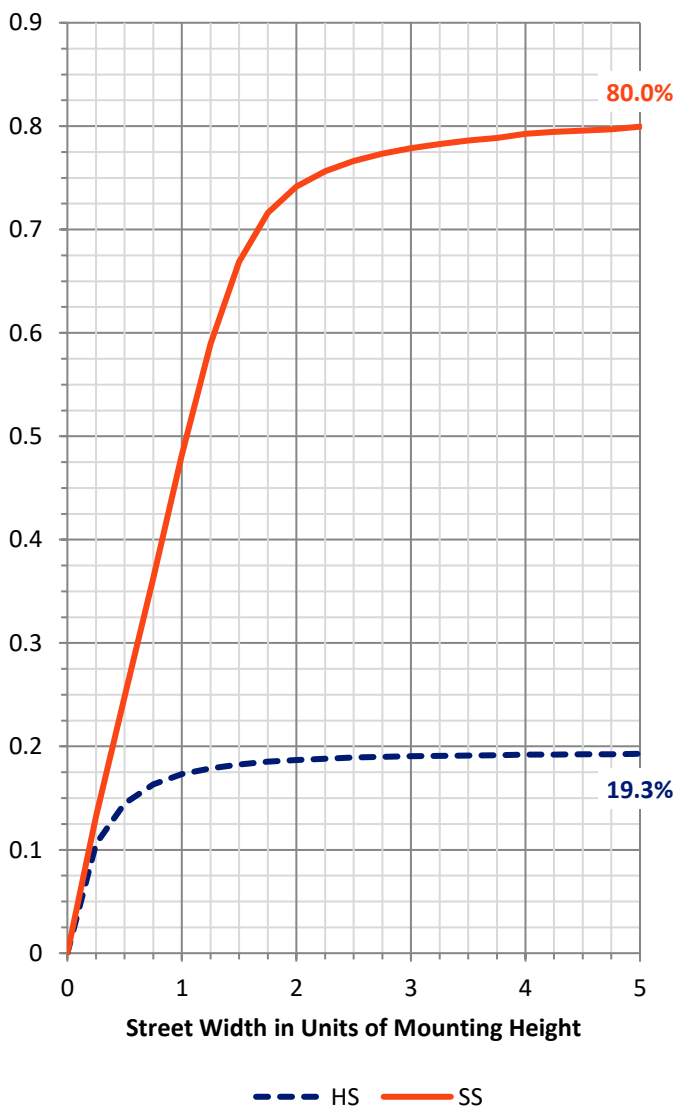
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6630.3	0.0	6630.3
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	27413.3	0.0	27413.3
	% Fixture	80.5	0.0	80.5
Total	Lumens	34043.6	0.0	34043.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	687.6	2.0
10°-20°	1646.9	4.8
20°-30°	2224.0	6.5
30°-40°	2975.9	8.7
40°-50°	4375.9	12.9
50°-60°	6821.0	20.0
60°-70°	8402.3	24.7
70°-80°	5937.0	17.4
80°-90°	973.1	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°	34043.6	100.0
0°-180°	34043.6	100.0

Coefficient of Utilization

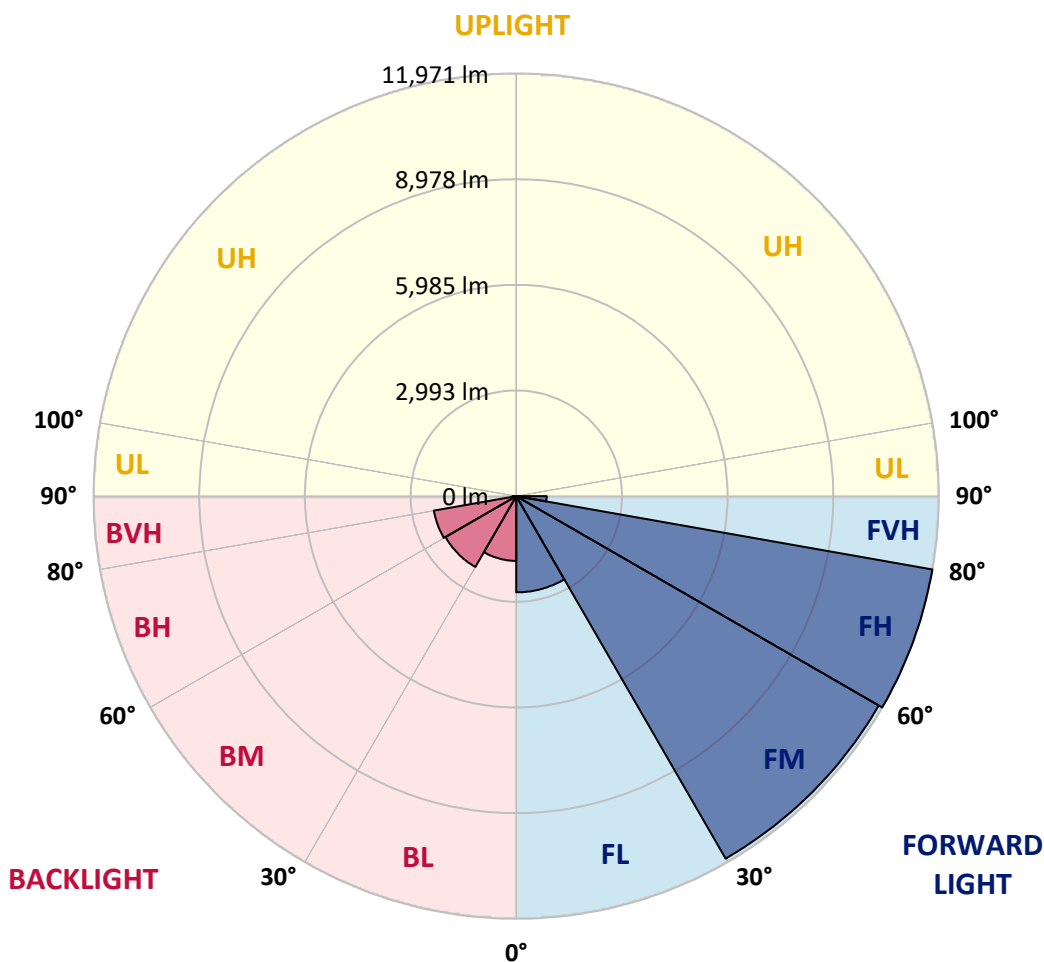


REPORT NUMBER: P480161
 CATALOG NUMBER: IFLD-S-SA6B-750-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2724.9	8.0			
FM (30°-60°)	11856.7	34.8			
FH (60°-80°)	11970.9	35.2			G4/12000
FVH (80°-90°)	860.8	2.5			G5
BL (0°-30°)	1833.5	5.4	B3/2500		
BM (30°-60°)	2316.1	6.8	B2/2500		
BH (60°-80°)	2368.4	7.0	B3/2500		G3/2500
BVH (80°-90°)	112.3	0.3			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 III Medium





REPORT NUMBER: P480161

CATALOG NUMBER: IFLD-S-SA6B-750-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	7881.0	7881.0	7881.0	7881.0	7881.0	7881.0	7881.0	7881.0	7881.0	7881.0	7881.0
2.5°	7338.3	7421.2	7451.3	7496.5	7613.4	7700.1	7752.8	7813.1	7884.8	7945.1	7982.8
5°	6825.7	6870.9	6942.5	6991.5	7138.5	7372.2	7530.5	7786.8	7779.2	7873.5	8016.7
7.5°	6328.2	6373.4	6407.3	6505.3	6716.4	6927.4	7217.6	7632.2	7602.1	7820.7	8043.1
10°	6019.1	5985.2	5996.5	6162.3	6328.2	6565.6	6931.2	7353.3	7462.6	7801.8	8118.4
12.5°	5728.9	5691.2	5781.7	5887.2	6090.7	6305.5	6742.7	7123.4	7289.3	7734.0	8152.4
15°	5548.0	5521.6	5634.7	5679.9	5921.1	6177.4	6486.5	6950.0	7131.0	7651.1	8099.6
17.5°	5446.2	5468.8	5510.3	5608.3	5762.8	5981.4	6320.6	6833.2	6912.4	7549.3	8088.3
20°	5465.1	5491.4	5495.2	5536.7	5642.2	5811.8	6158.6	6708.8	6761.6	7530.5	8118.4
22.5°	5615.8	5578.1	5593.2	5566.8	5597.0	5728.9	6034.2	6543.0	6746.5	7372.2	8054.4
25°	5842.0	5789.2	5781.7	5691.2	5634.7	5672.4	6011.6	6501.5	6633.4	7323.2	8050.6
27.5°	6241.5	6162.3	6162.3	6026.6	5796.7	5736.4	5947.5	6433.7	6550.5	7277.9	7963.9
30°	6625.9	6625.9	6629.7	6437.5	6181.2	5883.4	5973.9	6407.3	6482.7	7142.3	7847.1
32.5°	7093.3	7082.0	7063.1	6968.9	6573.1	6128.4	6102.0	6373.4	6411.1	7097.0	7813.1
35°	7549.3	7519.2	7666.2	7583.2	7180.0	6607.1	6233.9	6388.5	6471.4	7029.2	7707.6
37.5°	7892.3	7911.1	8216.4	8269.2	7922.4	7149.8	6607.1	6539.2	6618.4	7127.2	7707.6
40°	8337.0	8412.4	8698.9	8876.0	8664.9	7865.9	7198.8	6791.7	6848.3	7345.8	7873.5
42.5°	8921.2	8985.3	9350.9	9580.8	9520.5	8778.0	7783.0	7319.4	7274.2	7711.4	8122.2
45°	9693.9	9705.2	10074.5	10391.1	10515.5	9731.6	8710.2	7986.5	7948.8	8340.8	8578.3
47.5°	10613.5	10602.2	10832.1	11171.3	11506.8	10869.8	9776.8	9000.4	8864.7	9241.6	9335.8
50°	11503.0	11454.0	11506.8	11940.2	12584.7	12294.5	11073.3	10240.4	10104.7	10312.0	10474.1
52.5°	11993.0	12053.3	11910.1	12482.9	13730.5	13979.2	12792.0	11721.6	11604.8	11706.5	11989.2
55°	11650.0	11774.4	11680.1	12222.9	14231.8	16033.3	15015.7	13436.5	13285.7	13248.1	13711.6
57.5°	10191.4	10417.5	10436.4	11295.7	14058.4	17623.9	18144.0	15460.5	15234.3	14849.9	15328.5
60°	7824.5	8050.6	8224.0	9241.6	12573.4	18573.7	21769.8	18340.0	17593.7	16598.7	16885.1
62.5°	5483.9	5638.4	5811.8	6437.5	9693.9	18015.8	24905.6	22395.4	21019.7	18441.7	18799.8
65°	3995.1	4115.8	4292.9	4662.3	5955.0	14906.4	26360.4	27212.2	25908.1	20786.1	20740.8
67.5°	3007.7	3083.0	3316.7	3908.5	4127.1	9207.7	24852.8	32300.4	31245.0	23390.4	22301.2
70°	2276.5	2340.6	2559.2	3369.5	3855.7	4937.4	19606.4	33434.8	33736.4	26311.4	23349.0
72.5°	1567.9	1639.5	1884.5	2807.9	3671.0	3916.0	12305.8	30374.4	31516.4	27513.7	22225.8
75°	961.1	1010.1	1153.3	2129.5	3644.6	3829.3	6772.9	24890.5	26100.4	25421.9	19444.3
77.5°	678.4	674.7	701.0	1247.5	3158.4	3851.9	4176.1	18238.2	19414.1	18735.7	13195.3
80°	493.7	497.5	523.9	746.3	2144.6	3916.0	3290.3	12215.3	12565.9	9769.3	5205.0
82.5°	297.8	312.8	376.9	505.0	1289.0	3535.3	3041.6	6788.0	6350.8	3135.8	1432.2
85°	158.3	158.3	222.4	320.4	686.0	2638.3	2928.5	3230.0	2706.1	972.4	531.4
87.5°	37.7	37.7	64.1	128.1	275.1	1262.6	1997.6	1285.2	1028.9	327.9	218.6
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: P480161
 CATALOG NUMBER: IFLD-S-SA6B-750-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7881.0	7881.0	7881.0	7881.0	7881.0	7881.0	7881.0	7881.0	7881.0	7881.0	7881.0
2.5°	7967.7	7922.4	7979.0	7865.9	7775.5	7779.2	7639.8	7632.2	7613.4	7515.4	7549.3
5°	8058.1	8020.4	7956.4	7832.0	7632.2	7432.5	7311.9	7157.3	7093.3	7059.3	7074.4
7.5°	8144.8	8077.0	7892.3	7718.9	7409.9	7033.0	6814.4	6607.1	6343.2	6313.1	6260.3
10°	8167.4	8024.2	7786.8	7417.4	7006.6	6588.2	6090.7	5706.3	5502.7	5344.4	5284.1
12.5°	8133.5	8073.2	7617.2	7142.3	6520.4	5864.6	5284.1	4741.4	4364.5	4168.5	4115.8
15°	8129.7	8024.2	7428.7	6723.9	5928.6	5073.1	4247.7	3595.6	3199.9	3037.8	3037.8
17.5°	8133.5	7881.0	7206.3	6301.8	5231.4	4074.3	3166.0	2630.8	2412.2	2389.5	2408.4
20°	8058.1	7775.5	6972.7	5804.3	4357.0	3060.4	2299.1	2080.5	2080.5	2110.6	2121.9
22.5°	7990.3	7617.2	6603.3	5189.9	3467.5	2216.2	1869.4	1805.4	1877.0	1929.7	1952.3
25°	7896.1	7485.2	6226.4	4553.0	2638.3	1786.5	1624.4	1639.5	1707.4	1801.6	1794.0
27.5°	7760.4	7255.3	5777.9	3814.2	1963.7	1541.5	1500.1	1507.6	1579.2	1620.7	1613.1
30°	7605.9	7021.7	5363.3	3079.3	1556.6	1413.4	1409.6	1428.5	1439.8	1462.4	1458.6
32.5°	7409.9	6712.6	4922.3	2393.3	1402.1	1341.8	1326.7	1315.4	1326.7	1322.9	1311.6
35°	7270.4	6546.8	4473.8	1824.2	1315.4	1277.7	1266.4	1247.5	1232.5	1209.9	1206.1
37.5°	7232.7	6380.9	4002.7	1488.8	1247.5	1228.7	1191.0	1157.1	1138.2	1126.9	1119.4
40°	7210.1	6271.6	3542.9	1307.8	1191.0	1172.2	1126.9	1081.7	1062.9	1051.6	1055.3
42.5°	7289.3	6211.3	3075.5	1217.4	1142.0	1108.1	1059.1	1006.3	1002.6	995.0	1006.3
45°	7568.2	6286.7	2642.1	1153.3	1093.0	1036.5	972.4	946.0	942.3	934.7	942.3
47.5°	8201.4	6475.1	2272.7	1111.9	1040.2	991.2	923.4	885.7	881.9	878.2	878.2
50°	9075.8	7055.6	1963.7	1062.9	1006.3	938.5	874.4	832.9	825.4	810.3	810.3
52.5°	10447.7	8031.7	1779.0	1036.5	946.0	889.5	821.6	776.4	757.6	742.5	742.5
55°	11993.0	9241.6	1745.0	991.2	881.9	829.2	768.9	723.6	704.8	686.0	678.4
57.5°	13753.1	10843.4	1986.3	961.1	836.7	768.9	701.0	659.6	644.5	625.7	618.1
60°	15392.6	12441.5	2736.3	915.9	795.3	712.3	644.5	603.0	584.2	565.4	565.4
62.5°	17288.4	14420.2	4006.5	915.9	757.6	652.0	584.2	554.0	542.7	523.9	520.1
65°	19531.0	16466.8	4933.6	972.4	746.3	599.3	527.7	497.5	486.2	474.9	471.1
67.5°	21238.3	17642.7	4243.9	1123.2	795.3	554.0	471.1	452.3	444.7	433.4	425.9
70°	21419.3	16926.6	2559.2	1213.6	844.3	508.8	422.1	403.3	403.3	392.0	384.4
72.5°	19794.8	15019.5	1722.4	1081.7	765.1	456.0	373.1	358.1	350.5	343.0	339.2
75°	16564.8	12739.2	1360.6	863.1	588.0	376.9	324.1	309.1	297.8	294.0	286.4
77.5°	11126.1	8280.5	1006.3	674.7	433.4	305.3	271.4	256.3	245.0	241.2	229.9
80°	4274.1	3154.7	648.3	490.0	305.3	241.2	214.8	199.8	192.2	180.9	173.4
82.5°	1258.8	1021.4	361.8	301.5	196.0	165.8	154.5	143.2	131.9	120.6	116.8
85°	520.1	467.4	222.4	158.3	120.6	98.0	90.5	79.1	67.8	60.3	52.8
87.5°	241.2	199.8	101.8	60.3	41.5	22.6	11.3	3.8	0.0	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)