

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: P480171

Luminaire Tested: **IFLD-L-SA7B-750-U-SL2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P480171
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-750-U-SL2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens
Light Source: (112) 5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

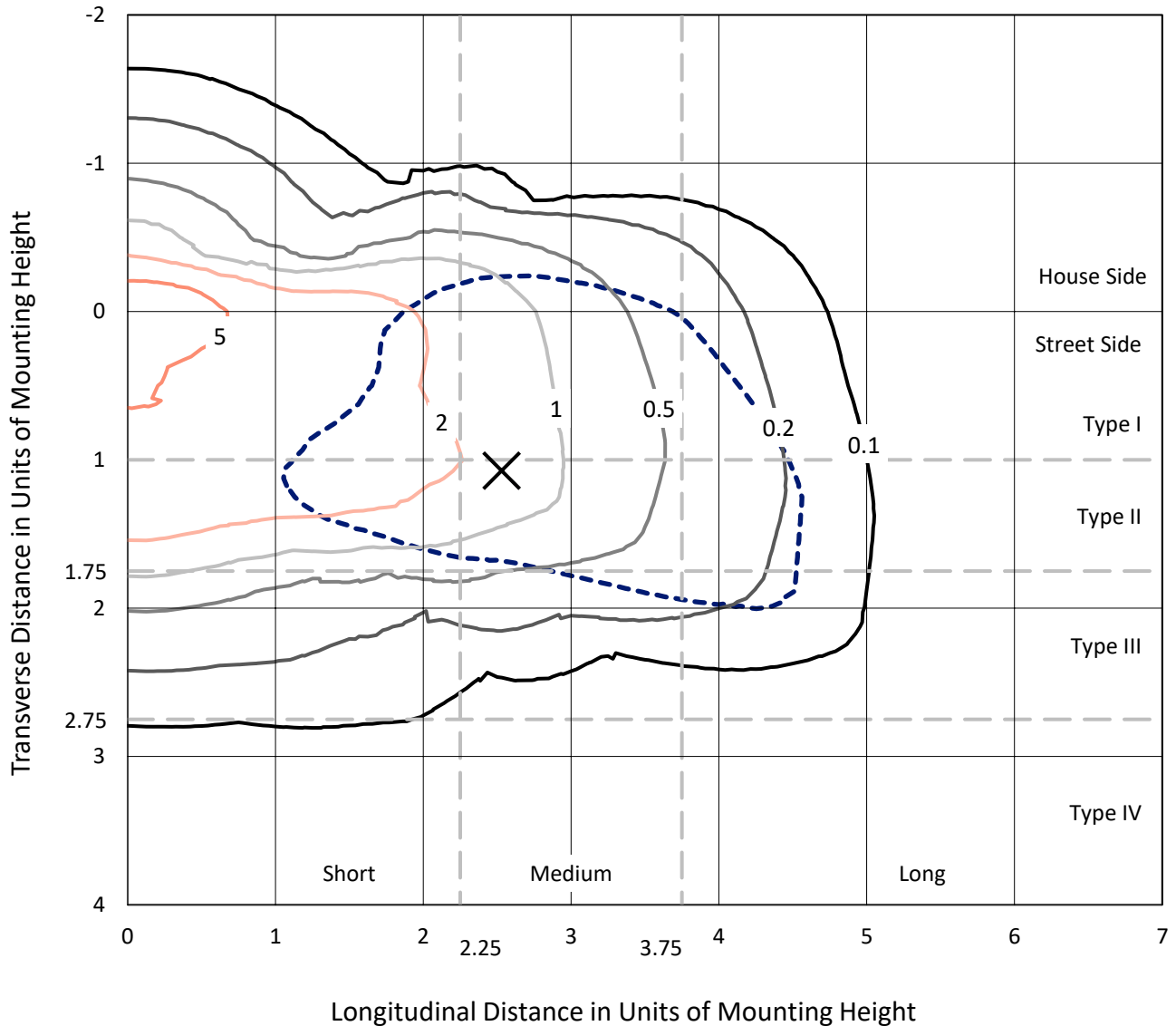
Lumens per Lamp: N/A
Luminaire Lumens: 36320.4 lumens
Efficiency: N/A
Efficacy: 129.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G5

Input Watts (W): 281
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: P480171
 CATALOG NUMBER: IFLD-L-SA7B-750-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

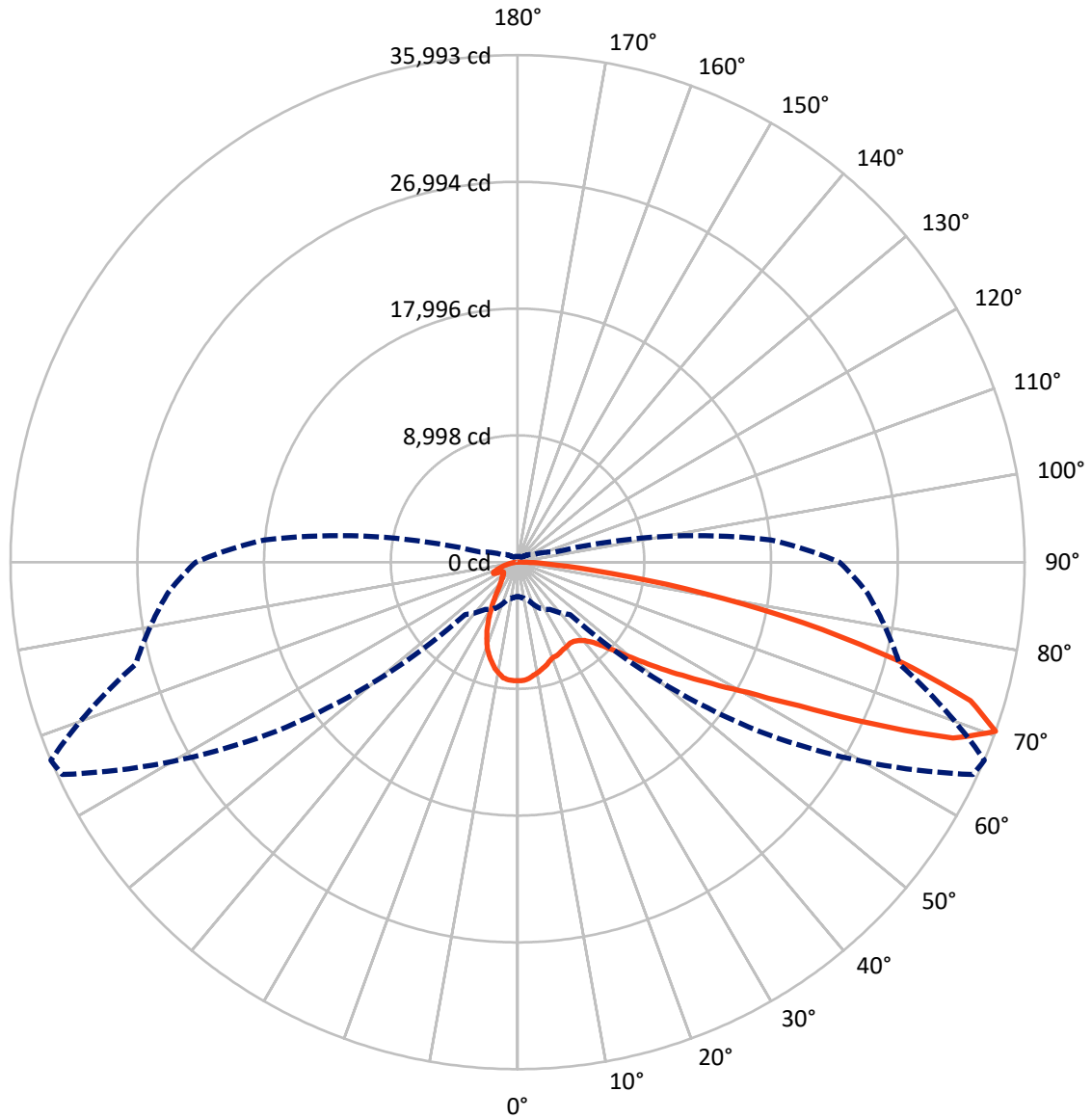
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.4 fc
 Type III - Medium - N/A

REPORT NUMBER: P480171
CATALOG NUMBER: IFLD-L-SA7B-750-U-SL2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P480171
 CATALOG NUMBER: IFLD-L-SA7B-750-U-SL2

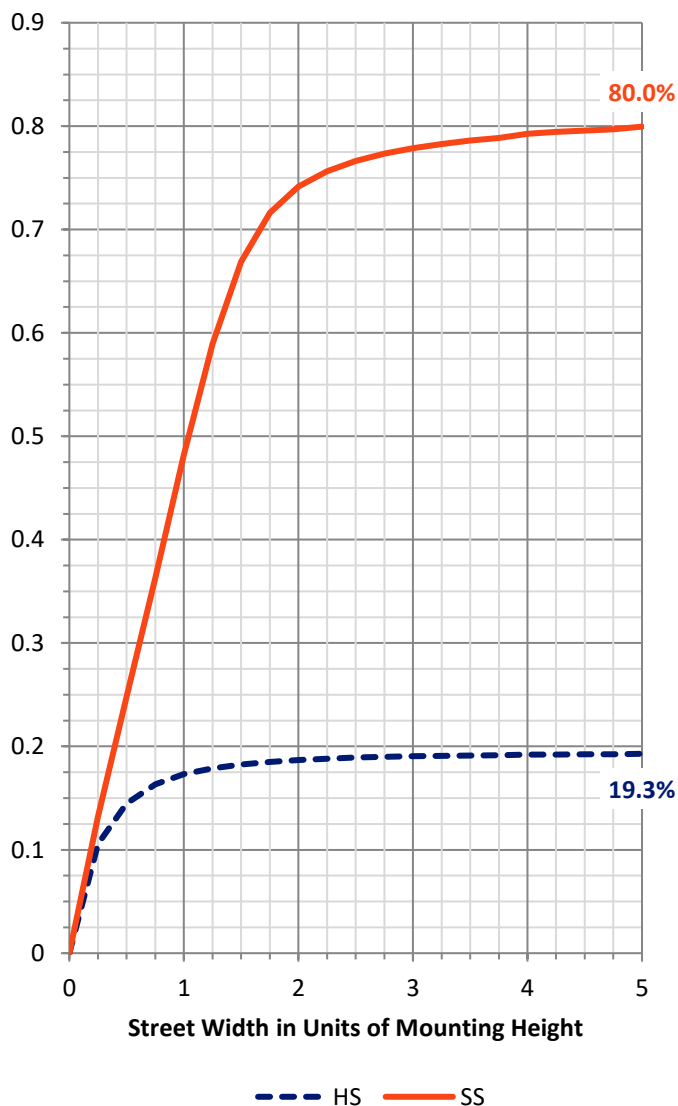
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7073.7	0.0	7073.7
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	29246.7	0.0	29246.7
	% Fixture	80.5	0.0	80.5
Total	Lumens	36320.4	0.0	36320.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	733.6	2.0
10°-20°	1757.0	4.8
20°-30°	2372.7	6.5
30°-40°	3174.9	8.7
40°-50°	4668.6	12.9
50°-60°	7277.2	20.0
60°-70°	8964.2	24.7
70°-80°	6334.1	17.4
80°-90°	1038.2	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°	36320.4	100.0
0°-180°	36320.4	100.0

Coefficient of Utilization

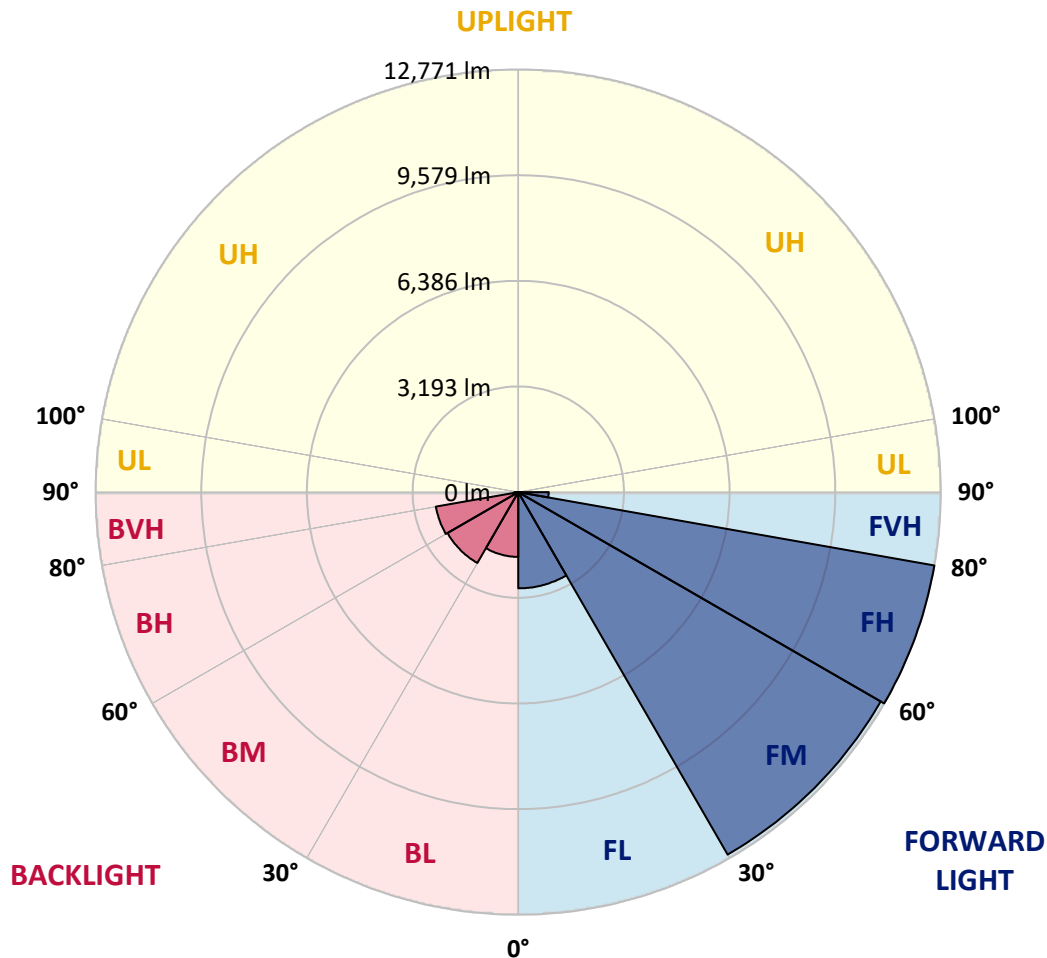


REPORT NUMBER: P480171
 CATALOG NUMBER: IFLD-L-SA7B-750-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2907.2	8.0			
FM (30°-60°)	12649.6	34.8			
FH (60°-80°)	12771.5	35.2			G5
FVH (80°-90°)	918.4	2.5			G5
BL (0°-30°)	1956.1	5.4	B3/2500		
BM (30°-60°)	2471.0	6.8	B2/2500		
BH (60°-80°)	2526.8	7.0	B4/5000		G4/5000
BVH (80°-90°)	119.8	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type III Medium





REPORT NUMBER: P480171

CATALOG NUMBER: IFLD-L-SA7B-750-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	8408.1	8408.1	8408.1	8408.1	8408.1	8408.1	8408.1	8408.1	8408.1	8408.1	8408.1
2.5°	7829.0	7917.5	7949.7	7997.9	8122.6	8215.1	8271.3	8335.7	8412.1	8476.4	8516.6
5°	7282.2	7330.4	7406.8	7459.1	7615.9	7865.2	8034.1	8307.5	8299.5	8400.0	8552.8
7.5°	6751.4	6799.6	6835.8	6940.4	7165.6	7390.7	7700.4	8142.7	8110.5	8343.7	8581.0
10°	6421.7	6385.5	6397.5	6574.5	6751.4	7004.7	7394.8	7845.1	7961.7	8323.6	8661.4
12.5°	6112.0	6071.8	6168.3	6280.9	6498.1	6727.3	7193.7	7599.8	7776.8	8251.2	8697.6
15°	5919.0	5890.9	6011.5	6059.8	6317.1	6590.5	6920.3	7414.9	7607.9	8162.8	8641.3
17.5°	5810.4	5834.6	5878.8	5983.4	6148.2	6381.4	6743.3	7290.2	7374.6	8054.2	8629.2
20°	5830.6	5858.7	5862.7	5907.0	6019.5	6200.5	6570.4	7157.5	7213.8	8034.1	8661.4
22.5°	5991.4	5951.2	5967.3	5939.1	5971.3	6112.0	6437.7	6980.6	7197.7	7865.2	8593.0
25°	6232.7	6176.4	6168.3	6071.8	6011.5	6051.7	6413.6	6936.3	7077.1	7812.9	8589.0
27.5°	6658.9	6574.5	6574.5	6429.7	6184.4	6120.1	6345.3	6864.0	6988.6	7764.7	8496.5
30°	7069.0	7069.0	7073.1	6868.0	6594.6	6276.9	6373.4	6835.8	6916.2	7619.9	8371.9
32.5°	7567.7	7555.6	7535.5	7435.0	7012.8	6538.3	6510.1	6799.6	6839.8	7571.7	8335.7
35°	8054.2	8022.0	8178.9	8090.4	7660.1	7048.9	6650.9	6815.7	6904.2	7499.3	8223.1
37.5°	8420.1	8440.2	8765.9	8822.2	8452.3	7628.0	7048.9	6976.6	7061.0	7603.8	8223.1
40°	8894.6	8975.0	9280.6	9469.6	9244.4	8392.0	7680.2	7246.0	7306.3	7837.1	8400.0
42.5°	9517.9	9586.2	9976.3	10221.6	10157.2	9365.1	8303.5	7808.9	7760.7	8227.1	8665.4
45°	10342.2	10354.3	10748.3	11086.1	11218.8	10382.4	9292.7	8520.7	8480.4	8898.6	9152.0
47.5°	11323.3	11311.3	11556.6	11918.5	12276.3	11596.8	10430.7	9602.3	9457.6	9859.7	9960.2
50°	12272.3	12220.0	12276.3	12738.8	13426.4	13116.7	11813.9	10925.3	10780.5	11001.7	11174.6
52.5°	12795.1	12859.4	12706.6	13317.8	14648.8	14914.2	13647.5	12505.5	12380.9	12489.5	12791.0
55°	12429.1	12561.8	12461.3	13040.3	15183.6	17105.6	16020.0	14335.1	14174.3	14134.1	14628.7
57.5°	10873.0	11114.2	11134.3	12051.2	14998.6	18802.5	19357.4	16494.4	16253.2	15843.0	16353.7
60°	8347.7	8589.0	8774.0	9859.7	13414.3	19815.8	23225.7	19566.5	18770.4	17708.8	18014.4
62.5°	5850.7	6015.5	6200.5	6868.0	10342.2	19220.7	26571.2	23893.2	22425.5	19675.1	20057.1
65°	4262.3	4391.0	4580.0	4974.1	6353.3	15903.3	28123.4	29032.1	27640.9	22176.2	22128.0
67.5°	3208.8	3289.2	3538.5	4169.9	4403.1	9823.5	26515.0	34460.6	33334.7	24954.8	23792.7
70°	2428.7	2497.1	2730.3	3594.8	4113.6	5267.6	20917.6	35670.9	35992.6	28071.1	24910.5
72.5°	1672.8	1749.2	2010.5	2995.7	3916.5	4177.9	13128.8	32405.8	33624.2	29353.8	23712.3
75°	1025.4	1077.6	1230.4	2271.9	3888.4	4085.4	7225.9	26555.2	27845.9	27122.1	20744.7
77.5°	723.8	719.8	747.9	1331.0	3369.7	4109.5	4455.3	19458.0	20712.5	19988.8	14077.8
80°	526.8	530.8	558.9	796.2	2288.0	4177.9	3510.4	13032.3	13406.3	10422.6	5553.1
82.5°	317.7	333.7	402.1	538.8	1375.2	3771.8	3245.0	7242.0	6775.5	3345.5	1528.0
85°	168.9	168.9	237.2	341.8	731.8	2814.8	3124.4	3446.1	2887.1	1037.4	567.0
87.5°	40.2	40.2	68.4	136.7	293.5	1347.1	2131.2	1371.2	1097.8	349.8	233.2
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: P480171
 CATALOG NUMBER: IFLD-L-SA7B-750-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8408.1	8408.1	8408.1	8408.1	8408.1	8408.1	8408.1	8408.1	8408.1	8408.1	8408.1
2.5°	8500.5	8452.3	8512.6	8392.0	8295.5	8299.5	8150.7	8142.7	8122.6	8018.0	8054.2
5°	8597.1	8556.8	8488.5	8355.8	8142.7	7929.6	7800.9	7636.0	7567.7	7531.5	7547.6
7.5°	8689.5	8617.2	8420.1	8235.2	7905.4	7503.3	7270.1	7048.9	6767.5	6735.3	6679.0
10°	8713.7	8560.9	8307.5	7913.5	7475.2	7028.8	6498.1	6087.9	5870.8	5701.9	5637.5
12.5°	8677.5	8613.1	8126.6	7619.9	6956.5	6256.8	5637.5	5058.5	4656.4	4447.3	4391.0
15°	8673.5	8560.9	7925.5	7173.6	6325.1	5412.4	4531.7	3836.1	3413.9	3241.0	3241.0
17.5°	8677.5	8408.1	7688.3	6723.2	5581.2	4346.8	3377.7	2806.7	2573.5	2549.4	2569.5
20°	8597.1	8295.5	7439.0	6192.5	4648.4	3265.1	2452.9	2219.6	2219.6	2251.8	2263.9
22.5°	8524.7	8126.6	7044.9	5537.0	3699.4	2364.4	1994.5	1926.1	2002.5	2058.8	2082.9
25°	8424.1	7985.8	6642.8	4857.5	2814.8	1906.0	1733.1	1749.2	1821.5	1922.1	1914.0
27.5°	8279.4	7740.6	6164.3	4069.3	2095.0	1644.6	1600.4	1608.4	1684.8	1729.1	1721.0
30°	8114.5	7491.3	5722.0	3285.2	1660.7	1507.9	1503.9	1524.0	1536.0	1560.2	1556.2
32.5°	7905.4	7161.5	5251.5	2553.4	1495.8	1431.5	1415.4	1403.4	1415.4	1411.4	1399.3
35°	7756.6	6984.6	4773.0	1946.2	1403.4	1363.1	1351.1	1331.0	1314.9	1290.8	1286.7
37.5°	7716.4	6807.7	4270.4	1588.3	1331.0	1310.9	1270.7	1234.5	1214.4	1202.3	1194.3
40°	7692.3	6691.1	3779.8	1395.3	1270.7	1250.6	1202.3	1154.0	1133.9	1121.9	1125.9
42.5°	7776.8	6626.7	3281.2	1298.8	1218.4	1182.2	1129.9	1073.6	1069.6	1061.6	1073.6
45°	8074.3	6707.1	2818.8	1230.4	1166.1	1105.8	1037.4	1009.3	1005.3	997.2	1005.3
47.5°	8749.9	6908.2	2424.7	1186.2	1109.8	1057.5	985.2	945.0	940.9	936.9	936.9
50°	9682.7	7527.4	2095.0	1133.9	1073.6	1001.2	932.9	888.7	880.6	864.5	864.5
52.5°	11146.4	8568.9	1897.9	1105.8	1009.3	949.0	876.6	828.3	808.2	792.2	792.2
55°	12795.1	9859.7	1861.8	1057.5	940.9	884.6	820.3	772.0	751.9	731.8	723.8
57.5°	14672.9	11568.6	2119.1	1025.4	892.7	820.3	747.9	703.7	687.6	667.5	659.5
60°	16422.1	13273.6	2919.3	977.1	848.4	760.0	687.6	643.4	623.3	603.2	603.2
62.5°	18444.7	15384.6	4274.4	977.1	808.2	695.6	623.3	591.1	579.0	558.9	554.9
65°	20837.2	17568.1	5263.6	1037.4	796.2	639.4	563.0	530.8	518.7	506.7	502.6
67.5°	22658.7	18822.6	4527.7	1198.3	848.4	591.1	502.6	482.5	474.5	462.4	454.4
70°	22851.8	18058.6	2730.3	1294.8	900.7	542.8	450.4	430.3	430.3	418.2	410.1
72.5°	21118.7	16024.0	1837.6	1154.0	816.3	486.5	398.1	382.0	374.0	365.9	361.9
75°	17672.6	13591.2	1451.6	920.8	627.3	402.1	345.8	329.7	317.7	313.6	305.6
77.5°	11870.2	8834.3	1073.6	719.8	462.4	325.7	289.5	273.4	261.4	257.3	245.3
80°	4559.9	3365.6	691.6	522.7	325.7	257.3	229.2	213.1	205.1	193.0	185.0
82.5°	1343.0	1089.7	386.0	321.7	209.1	176.9	164.9	152.8	140.7	128.7	124.7
85°	554.9	498.6	237.2	168.9	128.7	104.5	96.5	84.4	72.4	64.3	56.3
87.5°	257.3	213.1	108.6	64.3	44.2	24.1	12.1	4.0	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)