

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: P479977

Luminaire Tested: **IFLD-L-SA7C-722-U-SL2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P479977
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7C-722-U-SL2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens
Light Source: (112) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

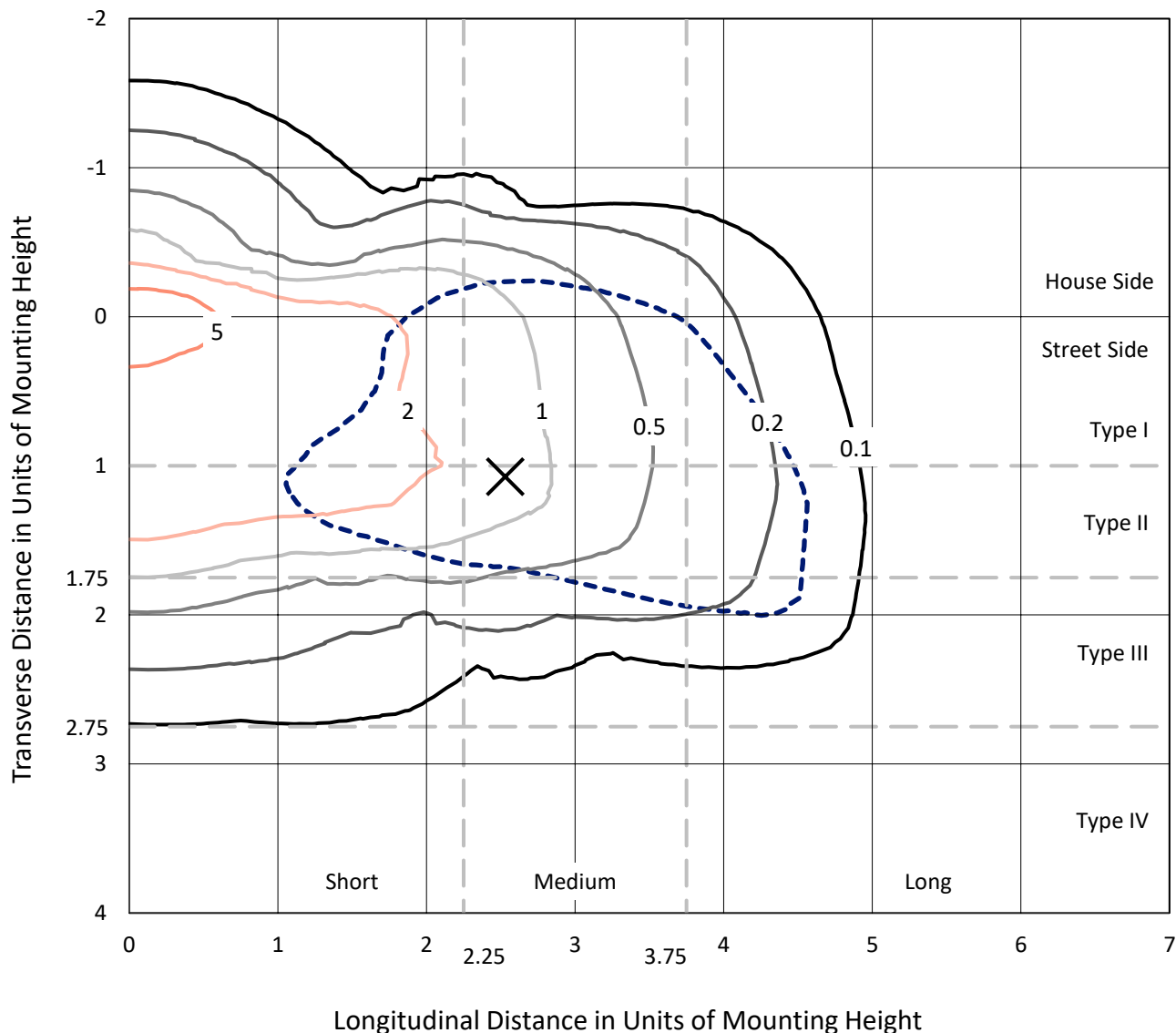
Lumens per Lamp: N/A
Luminaire Lumens: 32558 lumens
Efficiency: N/A
Efficacy: 88.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 369
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

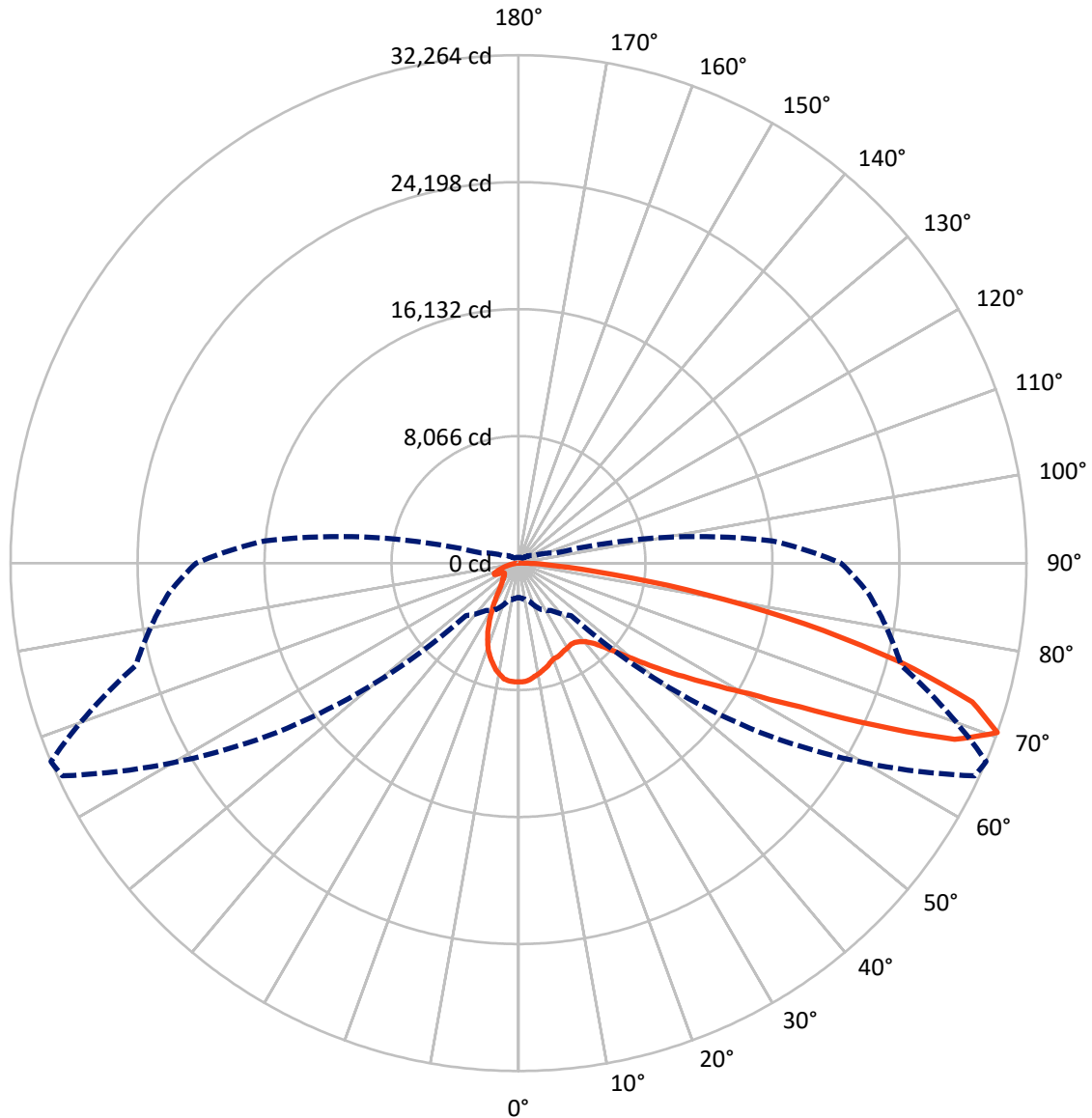
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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

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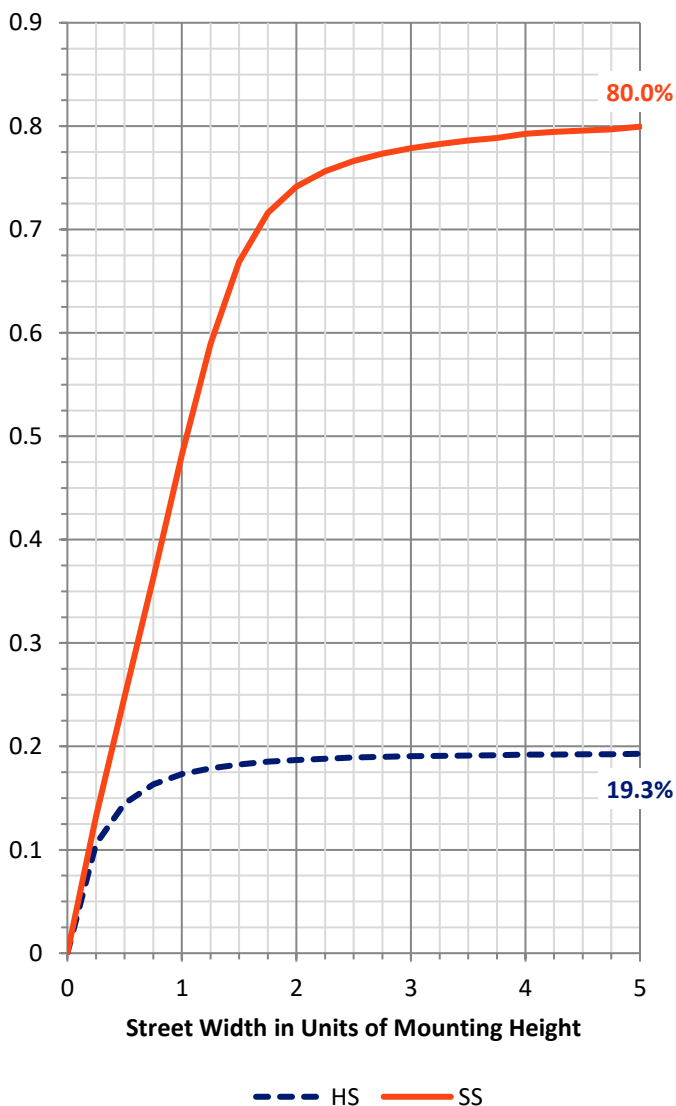
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6341.0	0.0	6341.0
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	26217.0	0.0	26217.0
	% Fixture	80.5	0.0	80.5
Total	Lumens	32558.0	0.0	32558.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	657.6	2.0
10°-20°	1575.0	4.8
20°-30°	2126.9	6.5
30°-40°	2846.0	8.7
40°-50°	4185.0	12.9
50°-60°	6523.3	20.0
60°-70°	8035.7	24.7
70°-80°	5677.9	17.4
80°-90°	930.6	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°	32558.0	100.0
0°-180°	32558.0	100.0

Coefficient of Utilization



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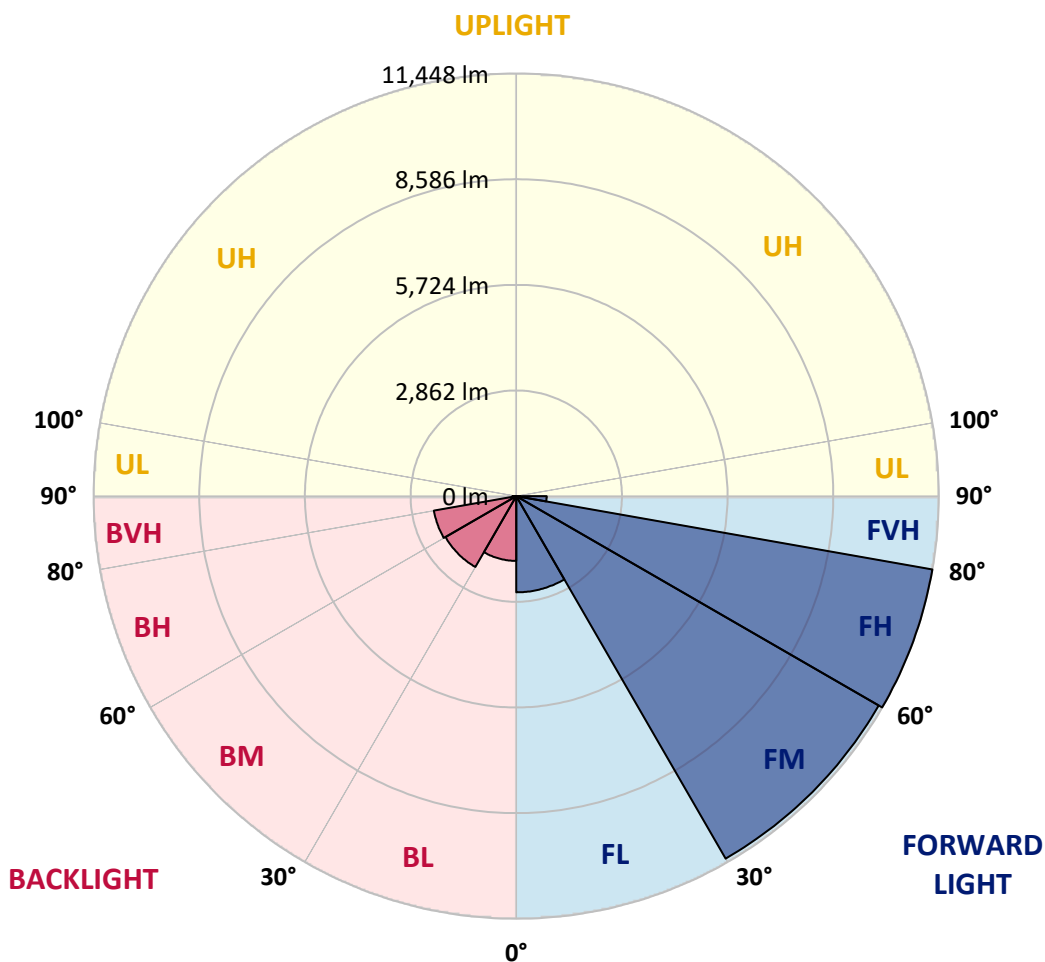
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2606.0	8.0			
FM	(30°-60°)	11339.3	34.8			
FH	(60°-80°)	11448.5	35.2			G4/12000
FVH	(80°-90°)	823.3	2.5			G5
BL	(0°-30°)	1753.5	5.4	B3/2500		
BM	(30°-60°)	2215.0	6.8	B2/2500		
BH	(60°-80°)	2265.1	7.0	B3/2500		G3/2500
BVH	(80°-90°)	107.4	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	7537.1	7537.1	7537.1	7537.1	7537.1	7537.1	7537.1	7537.1	7537.1	7537.1	7537.1
2.5°	7018.0	7097.3	7126.2	7169.4	7281.2	7364.1	7414.5	7472.2	7540.7	7598.4	7634.4
5°	6527.8	6571.1	6639.6	6686.4	6827.0	7050.5	7201.9	7447.0	7439.8	7529.9	7666.8
7.5°	6052.0	6095.3	6127.7	6221.4	6423.3	6625.1	6902.7	7299.2	7270.3	7479.4	7692.1
10°	5756.4	5724.0	5734.8	5893.4	6052.0	6279.1	6628.7	7032.4	7137.0	7461.4	7764.2
12.5°	5478.9	5442.8	5529.4	5630.3	5824.9	6030.4	6448.5	6812.6	6971.2	7396.5	7796.6
15°	5305.9	5280.6	5388.8	5432.0	5662.7	5907.8	6203.4	6646.8	6819.8	7317.2	7746.1
17.5°	5208.6	5230.2	5269.8	5363.5	5511.3	5720.4	6044.8	6535.0	6610.7	7219.9	7735.3
20°	5226.6	5251.8	5255.4	5295.1	5396.0	5558.2	5889.8	6416.1	6466.5	7201.9	7764.2
22.5°	5370.8	5334.7	5349.1	5323.9	5352.7	5478.9	5770.9	6257.5	6452.1	7050.5	7702.9
25°	5587.0	5536.6	5529.4	5442.8	5388.8	5424.8	5749.2	6217.8	6344.0	7003.6	7699.3
27.5°	5969.1	5893.4	5893.4	5763.7	5543.8	5486.1	5688.0	6152.9	6264.7	6960.4	7616.4
30°	6336.8	6336.8	6340.4	6156.5	5911.4	5626.7	5713.2	6127.7	6199.8	6830.6	7504.6
32.5°	6783.7	6772.9	6754.9	6664.8	6286.3	5861.0	5835.7	6095.3	6131.3	6787.3	7472.2
35°	7219.9	7191.0	7331.6	7252.3	6866.6	6318.7	5961.9	6109.7	6189.0	6722.5	7371.3
37.5°	7547.9	7565.9	7857.9	7908.3	7576.7	6837.8	6318.7	6253.9	6329.6	6816.2	7371.3
40°	7973.2	8045.3	8319.3	8488.7	8286.8	7522.7	6884.7	6495.4	6549.4	7025.2	7529.9
42.5°	8531.9	8593.2	8942.9	9162.7	9105.1	8395.0	7443.4	7000.0	6956.8	7374.9	7767.8
45°	9270.9	9281.7	9634.9	9937.7	10056.7	9306.9	8330.1	7638.0	7602.0	7976.8	8203.9
47.5°	10150.4	10139.6	10359.4	10683.8	11004.6	10395.5	9350.2	8607.6	8477.9	8838.3	8928.4
50°	11001.0	10954.2	11004.6	11419.2	12035.5	11758.0	10590.1	9793.5	9663.8	9862.0	10017.0
52.5°	11469.6	11527.3	11390.3	11938.2	13131.3	13369.2	12233.8	11210.1	11098.4	11195.7	11466.0
55°	11141.6	11260.6	11170.5	11689.5	13610.7	15333.7	14360.5	12850.2	12706.0	12669.9	13113.3
57.5°	9746.7	9962.9	9981.0	10802.8	13444.9	16854.8	17352.2	14785.8	14569.5	14201.9	14659.6
60°	7483.0	7699.3	7865.1	8838.3	12024.7	17763.1	20819.8	17539.7	16826.0	15874.4	16148.3
62.5°	5244.6	5392.4	5558.2	6156.5	9270.9	17229.7	23818.8	21418.1	20102.5	17637.0	17979.4
65°	3820.8	3936.2	4105.6	4458.8	5695.2	14255.9	25210.1	26024.7	24777.6	19879.0	19835.8
67.5°	2876.4	2948.5	3172.0	3737.9	3947.0	8805.9	23768.3	30890.9	29881.6	22369.7	21328.0
70°	2177.1	2238.4	2447.5	3222.5	3687.4	4721.9	18750.8	31975.8	32264.2	25163.3	22330.1
72.5°	1499.5	1568.0	1802.3	2685.4	3510.8	3745.1	11768.8	29048.9	30141.1	26313.1	21255.9
75°	919.2	966.0	1103.0	2036.6	3485.6	3662.2	6477.3	23804.3	24961.4	24312.6	18595.8
77.5°	648.8	645.2	670.4	1193.1	3020.6	3683.8	3993.8	17442.3	18567.0	17918.1	12619.5
80°	472.2	475.8	501.0	713.7	2051.0	3745.1	3146.8	11682.3	12017.5	9343.0	4977.9
82.5°	284.8	299.2	360.5	483.0	1232.8	3381.1	2908.9	6491.8	6073.6	2999.0	1369.7
85°	151.4	151.4	212.7	306.4	656.0	2523.2	2800.7	3089.1	2588.1	930.0	508.2
87.5°	36.0	36.0	61.3	122.6	263.1	1207.5	1910.4	1229.1	984.0	313.6	209.1
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°	7537.1	7537.1	7537.1	7537.1	7537.1	7537.1	7537.1	7537.1	7537.1	7537.1	7537.1
2.5°	7620.0	7576.7	7630.8	7522.7	7436.2	7439.8	7306.4	7299.2	7281.2	7187.4	7219.9
5°	7706.5	7670.4	7609.2	7490.2	7299.2	7108.1	6992.8	6845.0	6783.7	6751.3	6765.7
7.5°	7789.4	7724.5	7547.9	7382.1	7086.5	6726.1	6517.0	6318.7	6066.4	6037.6	5987.1
10°	7811.0	7674.1	7447.0	7093.7	6700.8	6300.7	5824.9	5457.3	5262.6	5111.2	5053.6
12.5°	7778.6	7720.9	7284.8	6830.6	6235.8	5608.7	5053.6	4534.5	4174.1	3986.6	3936.2
15°	7775.0	7674.1	7104.5	6430.5	5669.9	4851.7	4062.3	3438.7	3060.2	2905.3	2905.3
17.5°	7778.6	7537.1	6891.9	6026.8	5003.1	3896.5	3027.8	2516.0	2306.9	2285.3	2303.3
20°	7706.5	7436.2	6668.4	5551.0	4166.8	2926.9	2198.8	1989.7	1989.7	2018.5	2029.4
22.5°	7641.6	7284.8	6315.1	4963.4	3316.2	2119.5	1787.8	1726.6	1795.1	1845.5	1867.1
25°	7551.5	7158.6	5954.7	4354.3	2523.2	1708.5	1553.6	1568.0	1632.9	1723.0	1715.8
27.5°	7421.7	6938.7	5525.8	3647.8	1878.0	1474.3	1434.6	1441.8	1510.3	1549.9	1542.7
30°	7274.0	6715.2	5129.3	2944.9	1488.7	1351.7	1348.1	1366.1	1376.9	1398.6	1395.0
32.5°	7086.5	6419.7	4707.5	2288.9	1340.9	1283.2	1268.8	1258.0	1268.8	1265.2	1254.4
35°	6953.1	6261.1	4278.6	1744.6	1258.0	1221.9	1211.1	1193.1	1178.7	1157.1	1153.5
37.5°	6917.1	6102.5	3828.0	1423.8	1193.1	1175.1	1139.0	1106.6	1088.6	1077.8	1070.5
40°	6895.5	5997.9	3388.3	1250.8	1139.0	1121.0	1077.8	1034.5	1016.5	1005.7	1009.3
42.5°	6971.2	5940.3	2941.3	1164.3	1092.2	1059.7	1012.9	962.4	958.8	951.6	962.4
45°	7237.9	6012.4	2526.8	1103.0	1045.3	991.2	930.0	904.7	901.1	893.9	901.1
47.5°	7843.5	6192.6	2173.5	1063.3	994.9	948.0	883.1	847.1	843.5	839.9	839.9
50°	8679.7	6747.7	1878.0	1016.5	962.4	897.5	836.3	796.6	789.4	775.0	775.0
52.5°	9991.8	7681.3	1701.3	991.2	904.7	850.7	785.8	742.5	724.5	710.1	710.1
55°	11469.6	8838.3	1668.9	948.0	843.5	793.0	735.3	692.1	674.0	656.0	648.8
57.5°	13152.9	10370.2	1899.6	919.2	800.2	735.3	670.4	630.8	616.4	598.4	591.1
60°	14720.9	11898.6	2616.9	875.9	760.6	681.3	616.4	576.7	558.7	540.7	540.7
62.5°	16534.0	13790.9	3831.6	875.9	724.5	623.6	558.7	529.9	519.1	501.0	497.4
65°	18678.7	15748.2	4718.3	930.0	713.7	573.1	504.6	475.8	465.0	454.2	450.6
67.5°	20311.6	16872.8	4058.7	1074.2	760.6	529.9	450.6	432.5	425.3	414.5	407.3
70°	20484.6	16188.0	2447.5	1160.7	807.4	486.6	403.7	385.7	385.7	374.9	367.7
72.5°	18931.0	14364.1	1647.3	1034.5	731.7	436.1	356.8	342.4	335.2	328.0	324.4
75°	15841.9	12183.3	1301.2	825.4	562.3	360.5	310.0	295.6	284.8	281.2	273.9
77.5°	10640.6	7919.2	962.4	645.2	414.5	292.0	259.5	245.1	234.3	230.7	219.9
80°	4087.5	3017.0	620.0	468.6	292.0	230.7	205.5	191.0	183.8	173.0	165.8
82.5°	1203.9	976.8	346.0	288.4	187.4	158.6	147.8	137.0	126.2	115.3	111.7
85°	497.4	447.0	212.7	151.4	115.3	93.7	86.5	75.7	64.9	57.7	50.5
87.5°	230.7	191.0	97.3	57.7	39.6	21.6	10.8	3.6	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)