

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: P476473

Luminaire Tested: **IFLD-L-SA8D-722-U-T2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P476473
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8D-722-U-T2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens
Light Source: (128) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

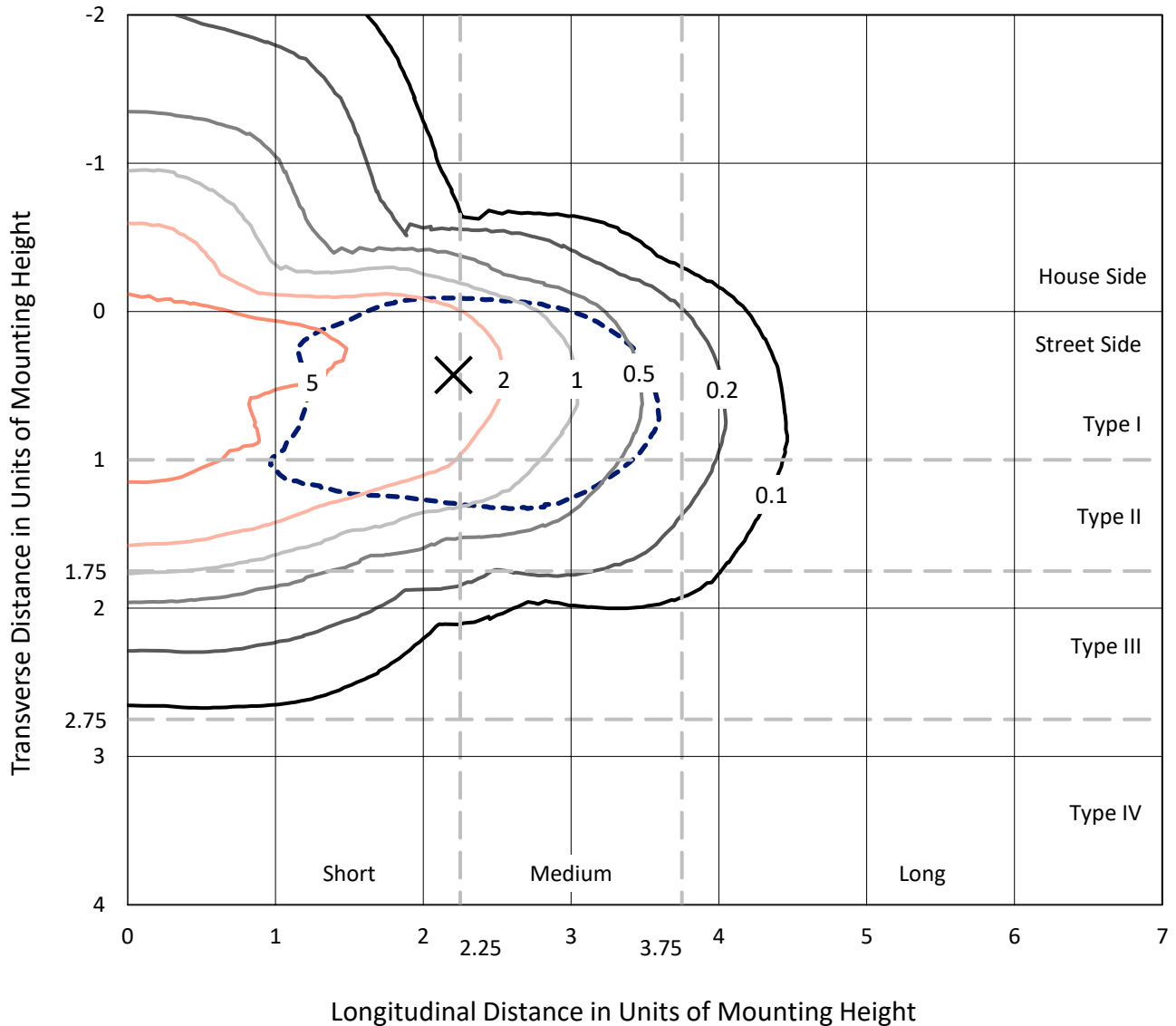
Lumens per Lamp: N/A
Luminaire Lumens: 41014.2 lumens
Efficiency: N/A
Efficacy: 84.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G5

Input Watts (W): 488.3
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: P476473
 CATALOG NUMBER: IFLD-L-SA8D-722-U-T2

Iso-Footcandle Lines of Horizontal Illumination

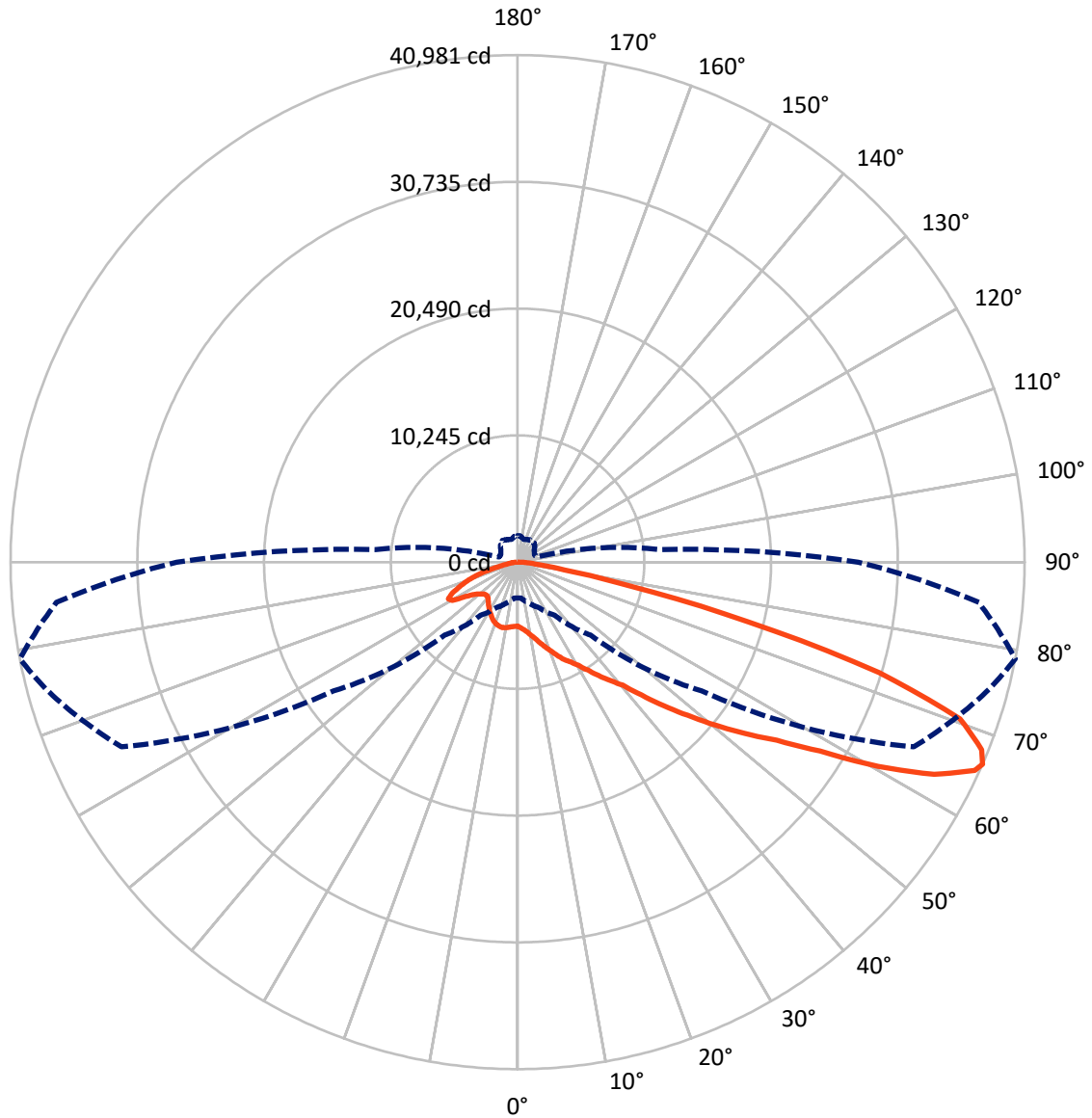
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.3 fc
 Type II - Short - N/A

REPORT NUMBER: P476473
CATALOG NUMBER: IFLD-L-SA8D-722-U-T2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P476473
 CATALOG NUMBER: IFLD-L-SA8D-722-U-T2

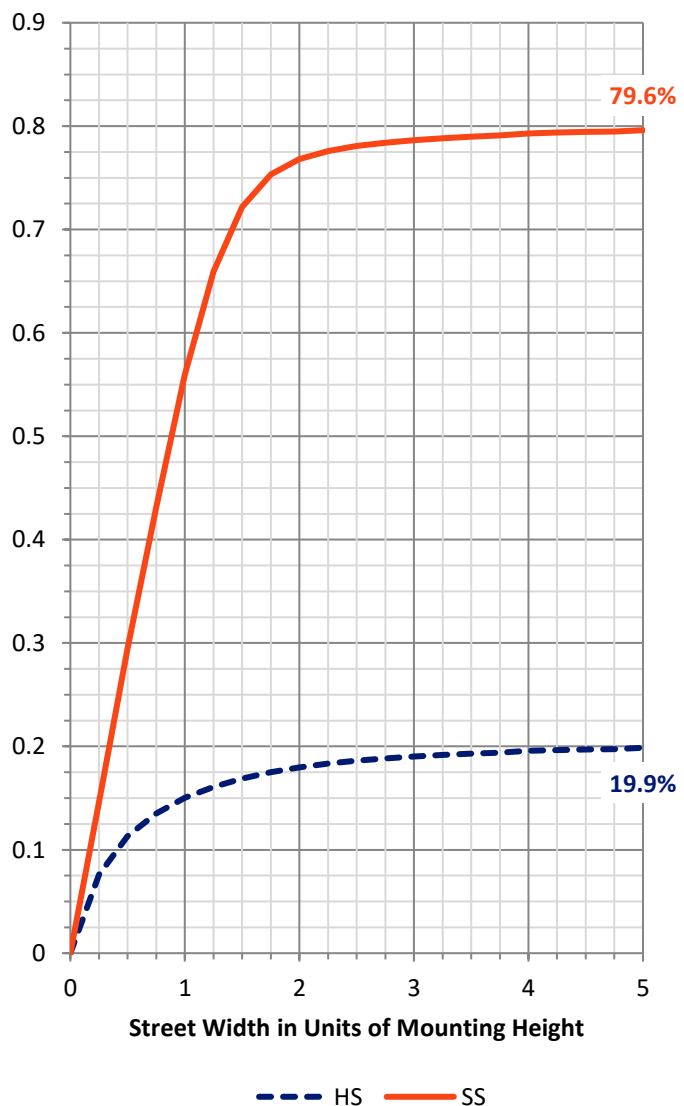
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8282.2	0.0	8282.2
	% Fixture	20.2	0.0	20.2
Street Side	Lumens	32731.9	0.0	32731.9
	% Fixture	79.8	0.0	79.8
Total	Lumens	41014.2	0.0	41014.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	509.2	1.2
10°-20°	1572.5	3.8
20°-30°	2699.3	6.6
30°-40°	4169.9	10.2
40°-50°	6679.1	16.3
50°-60°	9972.3	24.3
60°-70°	10246.5	25.0
70°-80°	4542.1	11.1
80°-90°	623.2	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°	41014.2	100.0
0°-180°	41014.2	100.0

Coefficient of Utilization



REPORT NUMBER: P476473

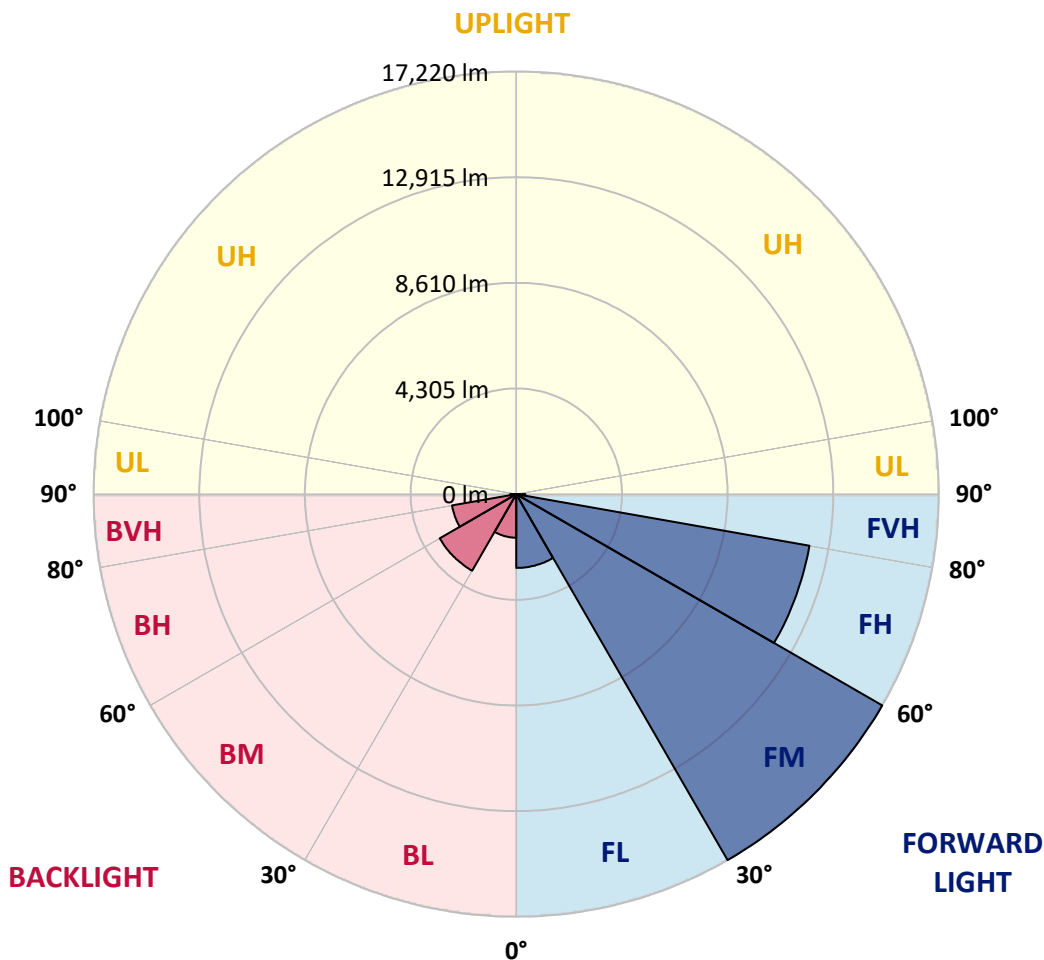
CATALOG NUMBER: IFLD-L-SA8D-722-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3006.6	7.3			
FM (30°-60°)	17220.5	42.0			
FH (60°-80°)	12131.1	29.6			G5
FVH (80°-90°)	373.8	0.9			G3/500
BL (0°-30°)	1774.5	4.3	B3/2500		
BM (30°-60°)	3600.7	8.8	B3/5000		
BH (60°-80°)	2657.6	6.5	B4/5000		G4/5000
BVH (80°-90°)	249.4	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: P476473
 CATALOG NUMBER: IFLD-L-SA8D-722-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	5179.0	5179.0	5179.0	5179.0	5179.0	5179.0	5179.0	5179.0	5179.0	5179.0	5179.0
2.5°	5508.3	5512.8	5512.8	5494.7	5499.3	5512.8	5463.2	5354.9	5354.9	5336.8	5305.3
5°	5846.6	5824.1	5792.5	5797.0	5779.0	5779.0	5724.8	5621.1	5530.8	5494.7	5400.0
7.5°	5891.7	5914.3	5909.8	5963.9	5991.0	5991.0	6018.0	5932.3	5797.0	5711.3	5616.5
10°	5982.0	5923.3	5918.8	6045.1	6085.7	6180.5	6288.7	6243.6	6130.8	6009.0	5882.7
12.5°	6036.1	6072.2	6072.2	6135.3	6230.1	6369.9	6559.4	6645.1	6469.2	6342.9	6148.9
15°	6117.3	6067.7	6212.0	6266.2	6446.6	6545.9	6816.5	7037.6	6920.3	6766.9	6460.2
17.5°	6153.4	6121.8	6203.0	6302.3	6609.0	6757.9	7087.2	7394.0	7294.7	7195.5	6879.7
20°	6338.3	6333.8	6369.9	6451.1	6672.2	6965.4	7375.9	7800.0	7836.1	7655.6	7227.1
22.5°	6789.5	6730.8	6730.8	6699.3	6794.0	7096.2	7651.1	8237.6	8400.0	8188.0	7619.6
25°	7204.5	7285.7	7236.1	7091.7	7055.6	7213.5	7849.6	8702.3	8918.8	8720.3	8151.9
27.5°	7736.8	7763.9	7849.6	7655.6	7407.5	7457.1	8066.2	8963.9	9410.5	9144.4	8454.1
30°	8503.8	8454.1	8436.1	8219.6	7894.7	7827.1	8314.3	9347.4	10055.6	9681.2	8810.5
32.5°	9022.6	9144.4	9139.9	8842.1	8449.6	8300.8	8621.1	9708.3	10745.9	10398.5	9469.2
35°	10051.1	10177.5	10078.2	9640.6	9180.5	8882.7	9063.2	10177.5	11535.3	11264.7	10028.6
37.5°	11363.9	11661.7	11449.6	10642.1	9992.5	9667.7	9676.7	10687.2	12342.9	12121.8	10628.6
40°	12270.7	12672.2	12379.0	11621.1	10930.8	10624.1	10502.3	11291.7	13308.3	13073.7	11566.9
42.5°	13394.0	13727.8	13574.4	12825.6	12018.1	11756.4	11512.8	12302.3	14783.5	14675.2	12771.4
45°	14621.1	14779.0	14729.3	14255.6	13357.9	13267.7	12730.8	13633.1	16520.3	16565.4	14278.2
47.5°	15762.4	15848.1	15942.9	15600.0	15040.6	15117.3	14133.8	15058.7	18207.5	18505.3	15956.4
50°	16055.6	16348.9	16569.9	16800.0	16921.8	17440.6	15681.2	16809.0	20147.4	20724.8	17824.1
52.5°	15757.9	15735.3	16407.5	17129.3	18347.4	19434.6	17788.0	18983.5	21861.7	23003.0	19533.8
55°	14404.5	14359.4	15442.1	16398.5	18776.0	20544.4	20797.0	21879.7	23932.3	25416.6	21848.1
57.5°	12036.1	11756.4	12938.4	14508.3	17846.6	20666.2	23819.6	26179.0	27117.3	28809.0	25380.5
60°	8088.7	7971.4	9103.8	10975.9	14490.2	18938.4	25628.6	31560.9	31606.0	33509.8	30861.7
62.5°	4980.5	5003.0	5729.3	7132.3	10145.9	15013.5	24848.1	35860.2	35869.2	37777.5	35373.0
65°	3257.1	3270.7	3857.1	4633.1	6338.3	10182.0	20548.9	36198.5	38833.1	40606.0	37439.1
66°	2900.8	2905.3	3410.5	4042.1	5251.1	8332.3	18148.9	35318.8	39500.8	40980.5	37412.1
67.5°	2445.1	2503.8	2909.8	3397.0	4096.2	5986.5	14400.0	32774.5	39157.9	40457.2	36563.9
70°	1912.8	1944.4	2264.7	2760.9	3072.2	3464.7	8557.9	26715.8	35842.1	37948.9	33478.2
72.5°	1533.8	1560.9	1804.5	2242.1	2494.7	2282.7	4660.2	19385.0	28312.8	30559.4	26332.3
75°	1294.7	1299.2	1416.5	1763.9	2052.6	1714.3	2481.2	12442.1	18166.9	19213.5	16132.3
77.5°	1046.6	1064.7	1145.9	1344.4	1651.1	1348.9	1479.7	6969.9	9121.8	9198.5	7457.1
80°	852.6	861.7	911.3	978.9	1258.6	997.0	1001.5	3401.5	3911.3	3821.1	3031.6
82.5°	672.2	681.2	739.9	726.3	924.8	712.8	622.6	1637.6	1800.0	1763.9	1394.0
85°	378.9	378.9	582.0	582.0	586.5	451.1	378.9	771.4	951.9	888.7	654.1
87.5°	121.8	126.3	175.9	185.0	293.2	203.0	185.0	288.7	451.1	397.0	234.6
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: P476473
 CATALOG NUMBER: IFLD-L-SA8D-722-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5179.0	5179.0	5179.0	5179.0	5179.0	5179.0	5179.0	5179.0	5179.0	5179.0	5179.0
2.5°	5287.2	5215.0	5183.5	5079.7	5052.6	4985.0	4953.4	4912.8	4899.3	4840.6	4894.7
5°	5327.8	5305.3	5179.0	5048.1	4948.9	4903.8	4836.1	4745.9	4736.8	4655.6	4646.6
7.5°	5499.3	5422.6	5201.5	5061.7	4863.2	4750.4	4601.5	4556.4	4497.7	4470.7	4529.3
10°	5765.4	5571.4	5242.1	4890.2	4646.6	4511.3	4403.0	4371.4	4375.9	4357.9	4330.8
12.5°	5954.9	5769.9	5174.4	4745.9	4430.1	4299.3	4290.2	4321.8	4371.4	4348.9	4380.5
15°	6225.6	5878.2	5124.8	4506.8	4254.1	4218.0	4213.5	4308.3	4303.8	4303.8	4299.3
17.5°	6478.2	5986.5	4944.4	4299.3	4069.2	4096.2	4127.8	4123.3	4168.4	4186.5	4218.0
20°	6798.5	6112.8	4691.7	4091.7	3929.3	3920.3	3915.8	3920.3	3965.4	3992.5	3969.9
22.5°	7078.2	6139.9	4479.7	3893.2	3762.4	3726.3	3667.7	3726.3	3703.8	3712.8	3739.9
25°	7321.8	6144.4	4177.4	3744.4	3595.5	3514.3	3469.2	3464.7	3424.1	3419.6	3419.6
27.5°	7524.8	5991.0	3911.3	3536.8	3397.0	3320.3	3315.8	3266.2	3162.4	3094.7	3103.8
30°	7682.7	5873.7	3726.3	3356.4	3221.1	3207.5	3166.9	3054.1	2918.8	2833.1	2833.1
32.5°	7962.4	5639.1	3473.7	3171.4	3103.8	3085.7	2991.0	2891.7	2765.4	2684.2	2670.7
35°	8169.9	5422.6	3306.8	3013.5	2982.0	2945.9	2864.7	2756.4	2720.3	2702.3	2715.8
37.5°	8404.5	5179.0	3103.8	2878.2	2909.8	2842.1	2747.4	2697.7	2824.1	2792.5	2806.0
40°	8779.0	5007.5	2905.3	2797.0	2828.6	2751.9	2630.1	2612.0	2769.9	2657.1	2630.1
42.5°	9464.7	5003.0	2783.5	2675.2	2697.7	2639.1	2530.8	2521.8	2585.0	2449.6	2409.0
45°	10317.3	5160.9	2693.2	2585.0	2566.9	2557.9	2521.8	2481.2	2427.1	2251.1	2206.0
47.5°	11336.8	5418.0	2675.2	2449.6	2472.2	2548.9	2503.8	2400.0	2260.2	2147.4	2124.8
50°	12572.9	5950.4	2630.1	2350.4	2391.0	2512.8	2476.7	2332.3	2206.0	2133.8	2120.3
52.5°	13939.9	6622.6	2571.4	2197.0	2287.2	2481.2	2499.2	2363.9	2178.9	2115.8	2106.8
55°	15550.4	7615.0	2503.8	2030.1	2165.4	2449.6	2499.2	2273.7	2142.9	2142.9	2133.8
57.5°	18730.8	9401.5	2363.9	1876.7	2057.1	2391.0	2427.1	2278.2	2147.4	2147.4	2129.3
60°	23395.5	12189.5	2097.7	1759.4	1953.4	2309.8	2372.9	2210.5	2097.7	2124.8	2120.3
62.5°	27045.1	13037.6	1872.2	1646.6	1849.6	2160.9	2300.8	2138.3	2039.1	2138.3	2147.4
65°	27825.6	12180.5	1642.1	1524.8	1705.3	2016.5	2197.0	2034.6	1953.4	2147.4	2156.4
66°	27545.9	11512.8	1560.9	1488.7	1642.1	1944.4	2133.8	1998.5	1908.3	2138.3	2142.9
67.5°	26300.8	10511.3	1470.7	1412.0	1556.4	1840.6	2061.7	1948.9	1836.1	2111.3	2070.7
70°	23594.0	8914.3	1317.3	1276.7	1434.6	1669.2	1894.7	1822.6	1723.3	1944.4	1872.2
72.5°	18171.4	7123.3	1154.9	1159.4	1294.7	1493.2	1727.8	1678.2	1592.5	1705.3	1660.2
75°	11066.2	4551.9	1006.0	1015.0	1127.8	1326.3	1569.9	1533.8	1430.1	1493.2	1470.7
77.5°	4903.8	2255.6	848.1	866.2	956.4	1168.4	1366.9	1308.3	1200.0	1213.5	1204.5
80°	1903.8	1069.2	690.2	712.8	771.4	933.8	1132.3	1078.2	983.5	965.4	956.4
82.5°	915.8	595.5	532.3	541.4	563.9	744.4	974.4	906.8	780.5	699.2	699.2
85°	460.2	369.9	374.4	342.9	374.4	505.3	658.6	550.4	455.6	406.0	415.0
87.5°	185.0	185.0	185.0	157.9	166.9	239.1	306.8	207.5	189.5	112.8	112.8
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)