

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: P476627

Luminaire Tested: **IFLD-L-SA8B-740-U-T2**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P476627
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA8B-740-U-T2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens
Light Source: (128) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

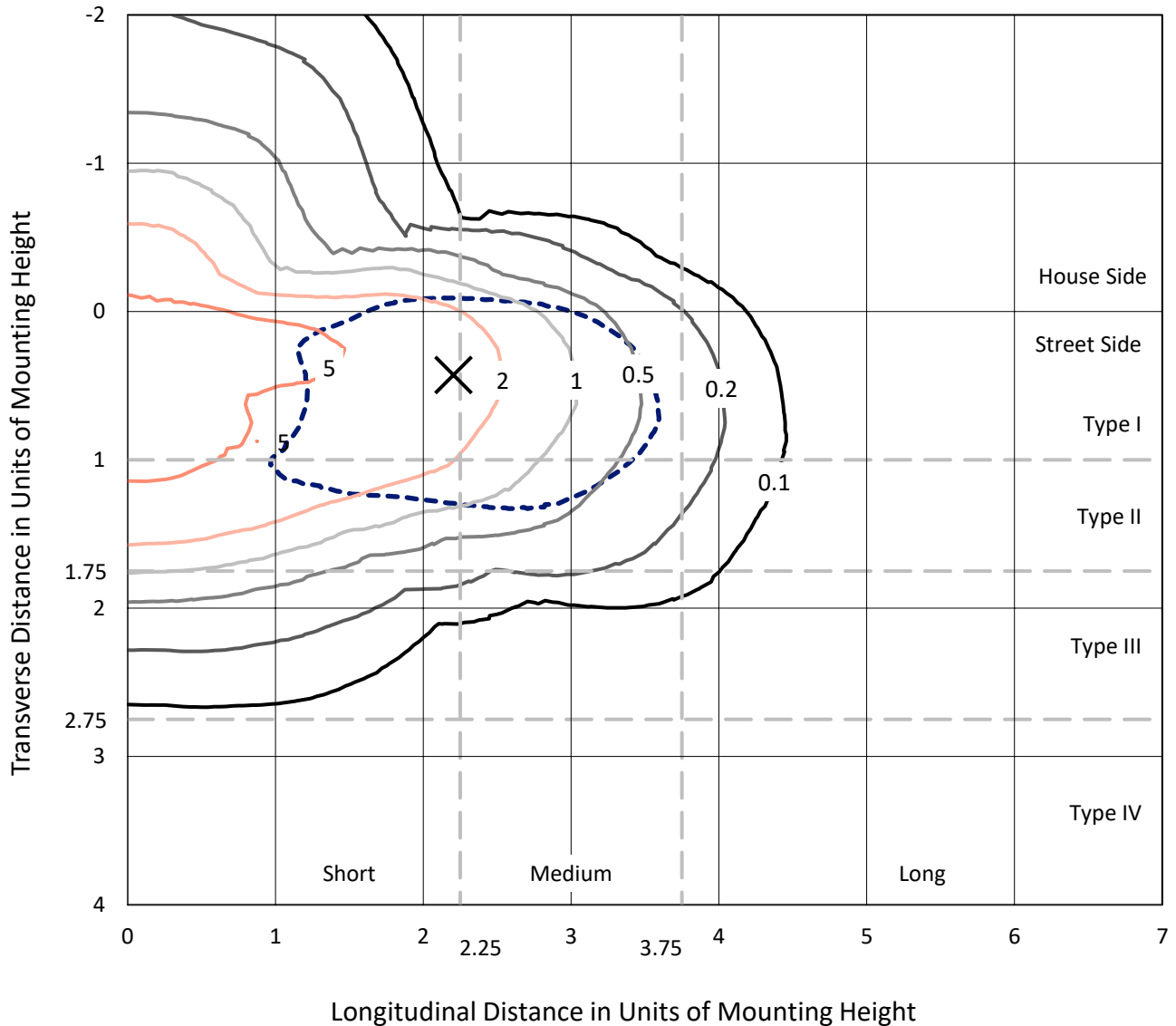
Lumens per Lamp: N/A
Luminaire Lumens: 40649.6 lumens
Efficiency: N/A
Efficacy: 127.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G5

Input Watts (W): 320
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: P476627
 CATALOG NUMBER: IFLD-L-SA8B-740-U-T2

Iso-Footcandle Lines of Horizontal Illumination

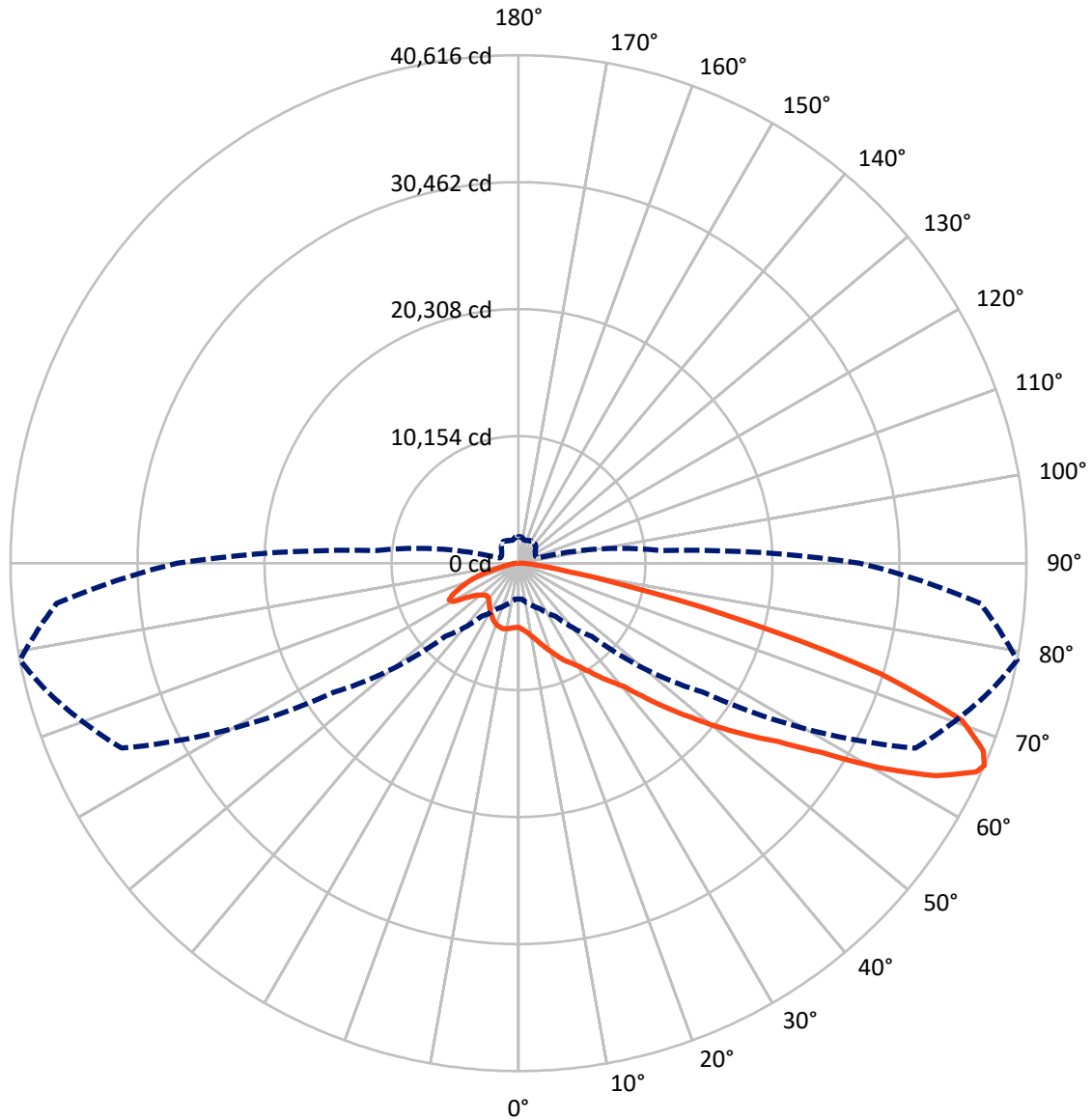
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.2 fc
 Type II - Short - N/A

REPORT NUMBER: P476627
CATALOG NUMBER: IFLD-L-SA8B-740-U-T2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P476627

CATALOG NUMBER: IFLD-L-SA8B-740-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8208.6	0.0	8208.6
	% Fixture	20.2	0.0	20.2
Street Side	Lumens	32441.0	0.0	32441.0
	% Fixture	79.8	0.0	79.8
Total	Lumens	40649.6	0.0	40649.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	504.7	1.2
10°-20°	1558.5	3.8
20°-30°	2675.3	6.6
30°-40°	4132.8	10.2
40°-50°	6619.7	16.3
50°-60°	9883.6	24.3
60°-70°	10155.4	25.0
70°-80°	4501.8	11.1
80°-90°	617.7	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°	40649.6	100.0
0°-180°	40649.6	100.0

Coefficient of Utilization



REPORT NUMBER: P476627

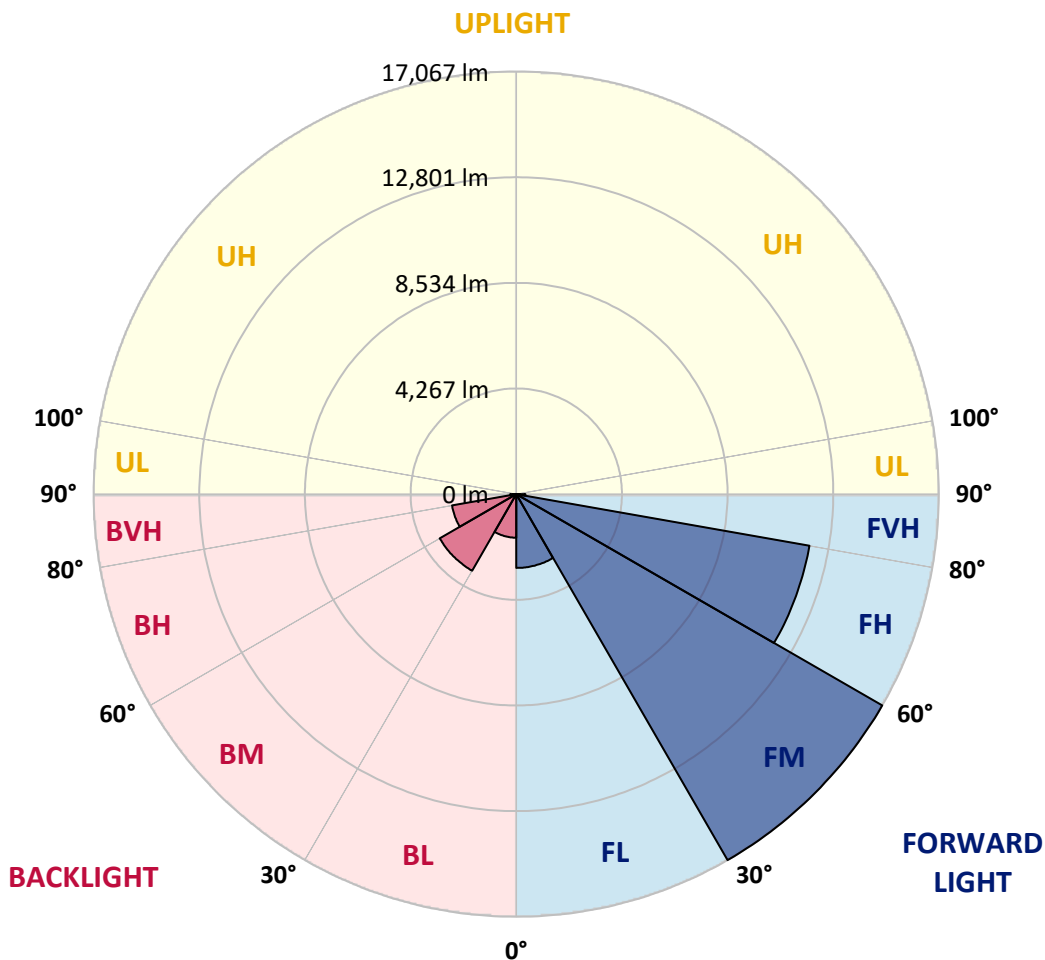
CATALOG NUMBER: IFLD-L-SA8B-740-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2979.9	7.3			
FM (30°-60°)	17067.4	42.0			
FH (60°-80°)	12023.2	29.6			G5
FVH (80°-90°)	370.5	0.9			G3/500
BL (0°-30°)	1758.7	4.3	B3/2500		
BM (30°-60°)	3568.7	8.8	B3/5000		
BH (60°-80°)	2634.0	6.5	B4/5000		G4/5000
BVH (80°-90°)	247.2	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: P476627

CATALOG NUMBER: IFLD-L-SA8B-740-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9
2.5°	5459.3	5463.8	5463.8	5445.9	5450.4	5463.8	5414.6	5307.3	5307.3	5289.4	5258.1
5°	5794.6	5772.3	5741.0	5745.5	5727.6	5727.6	5673.9	5571.1	5481.7	5445.9	5352.0
7.5°	5839.4	5861.7	5857.2	5910.9	5937.7	5937.7	5964.6	5879.6	5745.5	5660.5	5566.6
10°	5928.8	5870.7	5866.2	5991.4	6031.6	6125.5	6232.8	6188.1	6076.3	5955.6	5830.4
12.5°	5982.4	6018.2	6018.2	6080.8	6174.7	6313.3	6501.1	6586.0	6411.7	6286.5	6094.2
15°	6062.9	6013.7	6156.8	6210.5	6389.3	6487.7	6756.0	6975.0	6858.8	6706.8	6402.7
17.5°	6098.7	6067.4	6147.9	6246.2	6550.3	6697.8	7024.2	7328.3	7229.9	7131.5	6818.5
20°	6282.0	6277.5	6313.3	6393.8	6612.9	6903.5	7310.4	7730.7	7766.4	7587.6	7162.8
22.5°	6729.1	6671.0	6671.0	6639.7	6733.6	7033.2	7583.1	8164.4	8325.3	8115.2	7551.8
25°	7140.5	7221.0	7171.8	7028.7	6992.9	7149.4	7779.8	8624.9	8839.5	8642.8	8079.4
27.5°	7668.1	7694.9	7779.8	7587.6	7341.7	7390.9	7994.5	8884.2	9326.9	9063.1	8379.0
30°	8428.2	8379.0	8361.1	8146.5	7824.6	7757.5	8240.4	9264.3	9966.3	9595.1	8732.2
32.5°	8942.4	9063.1	9058.6	8763.5	8374.5	8227.0	8544.4	9622.0	10650.3	10306.1	9385.0
35°	9961.8	10087.0	9988.6	9554.9	9098.8	8803.7	8982.6	10087.0	11432.8	11164.5	9939.4
37.5°	11262.9	11558.0	11347.9	10547.5	9903.7	9581.7	9590.7	10592.2	12233.1	12014.1	10534.1
40°	12161.6	12559.5	12268.9	11517.8	10833.7	10529.6	10408.9	11191.4	13190.0	12957.5	11464.1
42.5°	13274.9	13605.8	13453.8	12711.6	11911.2	11651.9	11410.4	12192.9	14652.1	14544.7	12657.9
45°	14491.1	14647.6	14598.4	14128.9	13239.2	13149.7	12617.7	13511.9	16373.5	16418.2	14151.3
47.5°	15622.3	15707.2	15801.1	15461.3	14906.9	14982.9	14008.2	14924.8	18045.7	18340.8	15814.6
50°	15912.9	16203.5	16422.6	16650.7	16771.4	17285.6	15541.8	16659.6	19968.3	20540.6	17665.6
52.5°	15617.8	15595.5	16261.7	16977.1	18184.3	19261.8	17629.9	18814.7	21667.3	22798.5	19360.2
55°	14276.5	14231.8	15304.8	16252.7	18609.0	20361.7	20612.1	21685.2	23719.6	25190.6	21653.9
57.5°	11929.1	11651.9	12823.3	14379.3	17688.0	20482.5	23607.8	25946.2	26876.3	28552.9	25154.8
60°	8016.8	7900.6	9022.8	10878.4	14361.4	18770.0	25400.8	31280.4	31325.1	33211.9	30587.3
62.5°	4936.2	4958.5	5678.4	7068.9	10055.7	14880.1	24627.2	35541.4	35550.3	37441.6	35058.5
65°	3228.2	3241.6	3822.9	4591.9	6282.0	10091.4	20366.2	35876.7	38487.9	40245.1	37106.3
66°	2875.0	2879.4	3380.2	4006.2	5204.5	8258.3	17987.5	35004.9	39149.6	40616.2	37079.5
67.5°	2423.4	2481.5	2883.9	3366.8	4059.8	5933.3	14272.0	32483.1	38809.8	40097.5	36238.9
70°	1895.8	1927.1	2244.5	2736.4	3044.9	3433.9	8481.8	26478.3	35523.5	37611.6	33180.6
72.5°	1520.2	1547.0	1788.5	2222.2	2472.6	2262.4	4618.7	19212.7	28061.1	30287.8	26098.3
75°	1283.2	1287.7	1403.9	1748.2	2034.4	1699.0	2459.1	12331.5	18005.4	19042.7	15988.9
77.5°	1037.3	1055.2	1135.7	1332.4	1636.5	1336.9	1466.5	6908.0	9040.7	9116.7	7390.9
80°	845.1	854.0	903.2	970.2	1247.5	988.1	992.6	3371.3	3876.5	3787.1	3004.6
82.5°	666.2	675.1	733.3	719.9	916.6	706.4	617.0	1623.0	1784.0	1748.2	1381.6
85°	375.6	375.6	576.8	576.8	581.3	447.1	375.6	764.6	943.4	880.8	648.3
87.5°	120.7	125.2	174.4	183.3	290.6	201.2	183.3	286.2	447.1	393.5	232.5
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: P476627
 CATALOG NUMBER: IFLD-L-SA8B-740-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9	5132.9
2.5°	5240.2	5168.7	5137.4	5034.5	5007.7	4940.7	4909.4	4869.1	4855.7	4797.6	4851.2
5°	5280.5	5258.1	5132.9	5003.2	4904.9	4860.2	4793.1	4703.7	4694.7	4614.3	4605.3
7.5°	5450.4	5374.4	5155.3	5016.7	4819.9	4708.2	4560.6	4515.9	4457.8	4430.9	4489.1
10°	5714.2	5521.9	5195.5	4846.8	4605.3	4471.2	4363.9	4332.6	4337.0	4319.2	4292.3
12.5°	5902.0	5718.6	5128.4	4703.7	4390.7	4261.0	4252.1	4283.4	4332.6	4310.2	4341.5
15°	6170.2	5825.9	5079.3	4466.7	4216.3	4180.6	4176.1	4270.0	4265.5	4265.5	4261.0
17.5°	6420.6	5933.3	4900.4	4261.0	4033.0	4059.8	4091.1	4086.7	4131.4	4149.3	4180.6
20°	6738.1	6058.4	4650.0	4055.4	3894.4	3885.5	3881.0	3885.5	3930.2	3957.0	3934.6
22.5°	7015.3	6085.3	4439.9	3858.6	3729.0	3693.2	3635.1	3693.2	3670.8	3679.8	3706.6
25°	7256.7	6089.7	4140.3	3711.1	3563.5	3483.0	3438.3	3433.9	3393.6	3389.2	3389.2
27.5°	7457.9	5937.7	3876.5	3505.4	3366.8	3290.8	3286.3	3237.1	3134.3	3067.2	3076.2
30°	7614.4	5821.5	3693.2	3326.6	3192.4	3179.0	3138.8	3027.0	2892.9	2807.9	2807.9
32.5°	7891.6	5589.0	3442.8	3143.2	3076.2	3058.3	2964.4	2866.0	2740.8	2660.4	2646.9
35°	8097.3	5374.4	3277.4	2986.7	2955.4	2919.7	2839.2	2731.9	2696.1	2678.2	2691.6
37.5°	8329.8	5132.9	3076.2	2852.6	2883.9	2816.8	2722.9	2673.8	2799.0	2767.7	2781.1
40°	8700.9	4963.0	2879.4	2772.1	2803.4	2727.4	2606.7	2588.8	2745.3	2633.5	2606.7
42.5°	9380.5	4958.5	2758.7	2651.4	2673.8	2615.6	2508.3	2499.4	2562.0	2427.8	2387.6
45°	10225.6	5115.0	2669.3	2562.0	2544.1	2535.2	2499.4	2459.1	2405.5	2231.1	2186.4
47.5°	11236.1	5369.9	2651.4	2427.8	2450.2	2526.2	2481.5	2378.7	2240.1	2128.3	2105.9
50°	12461.2	5897.5	2606.7	2329.5	2369.7	2490.4	2454.7	2311.6	2186.4	2114.9	2101.5
52.5°	13815.9	6563.7	2548.6	2177.5	2266.9	2459.1	2477.0	2342.9	2159.6	2097.0	2088.0
55°	15412.2	7547.3	2481.5	2012.0	2146.2	2427.8	2477.0	2253.5	2123.8	2123.8	2114.9
57.5°	18564.3	9317.9	2342.9	1860.0	2038.9	2369.7	2405.5	2257.9	2128.3	2128.3	2110.4
60°	23187.5	12081.1	2079.1	1743.8	1936.0	2289.2	2351.8	2190.9	2079.1	2105.9	2101.5
62.5°	26804.7	12921.7	1855.5	1632.0	1833.2	2141.7	2280.3	2119.3	2021.0	2119.3	2128.3
65°	27578.2	12072.2	1627.5	1511.3	1690.1	1998.6	2177.5	2016.5	1936.0	2128.3	2137.2
66°	27301.0	11410.4	1547.0	1475.5	1627.5	1927.1	2114.9	1980.7	1891.3	2119.3	2123.8
67.5°	26067.0	10417.8	1457.6	1399.5	1542.6	1824.2	2043.3	1931.5	1819.8	2092.5	2052.3
70°	23384.3	8835.0	1305.6	1265.3	1421.8	1654.3	1877.9	1806.4	1708.0	1927.1	1855.5
72.5°	18009.9	7060.0	1144.6	1149.1	1283.2	1480.0	1712.5	1663.3	1578.3	1690.1	1645.4
75°	10967.8	4511.4	997.1	1006.0	1117.8	1314.5	1556.0	1520.2	1417.4	1480.0	1457.6
77.5°	4860.2	2235.6	840.6	858.5	947.9	1158.0	1354.8	1296.6	1189.3	1202.7	1193.8
80°	1886.8	1059.7	684.1	706.4	764.6	925.5	1122.3	1068.6	974.7	956.8	947.9
82.5°	907.6	590.2	527.6	536.5	558.9	737.7	965.8	898.7	773.5	693.0	693.0
85°	456.1	366.6	371.1	339.8	371.1	500.8	652.8	545.5	451.6	402.4	411.3
87.5°	183.3	183.3	183.3	156.5	165.4	237.0	304.0	205.7	187.8	111.8	111.8
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)