

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: P476611

Luminaire Tested: **IFLD-S-SA6A-740-U-T2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P476611
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-740-U-T2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2 distribution lens
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

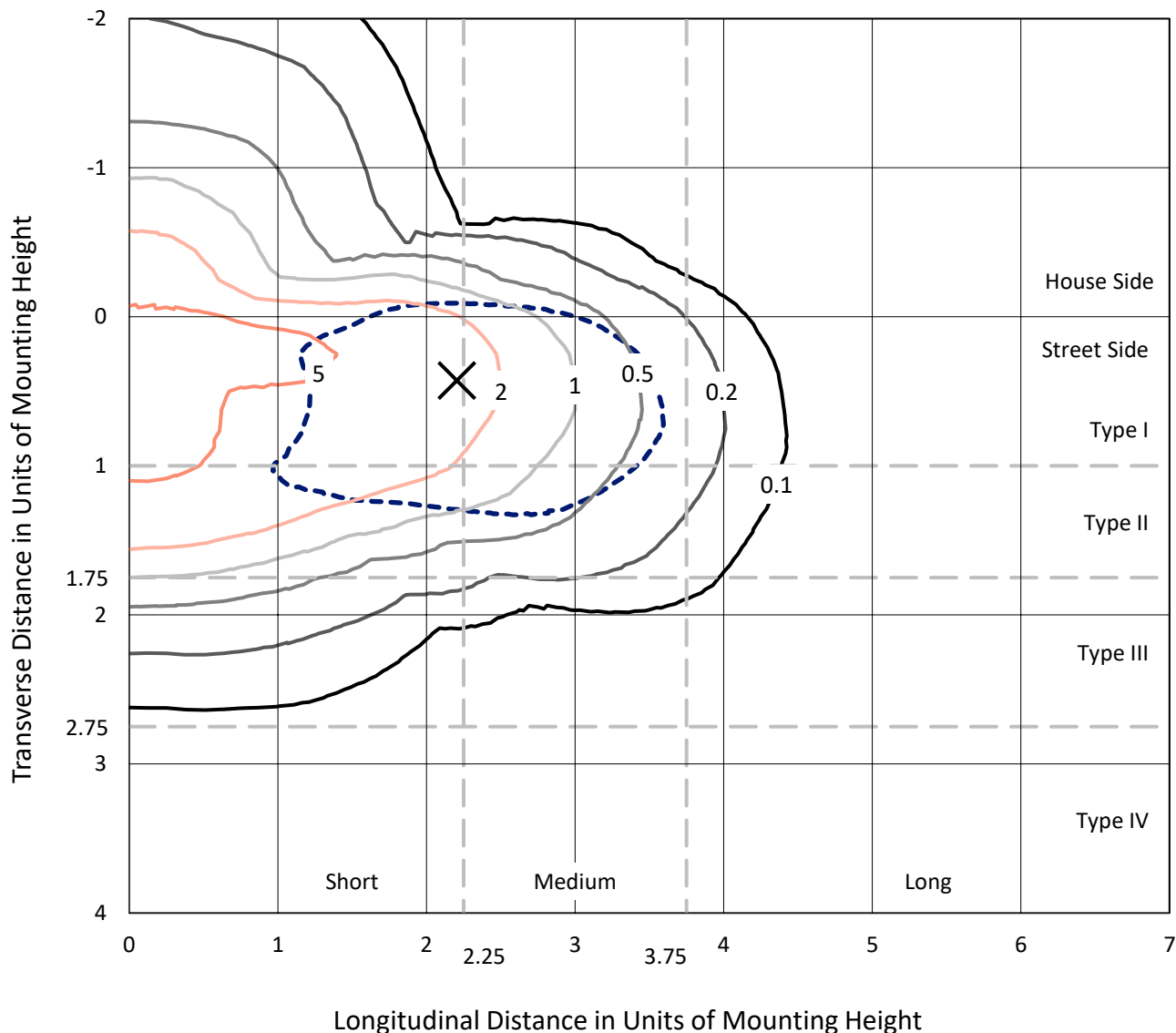
Lumens per Lamp: N/A
Luminaire Lumens: 26957.4 lumens
Efficiency: N/A
Efficacy: 142.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 189.6
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: P476611
 CATALOG NUMBER: IFLD-S-SA6A-740-U-T2

Iso-Footcandle Lines of Horizontal Illumination

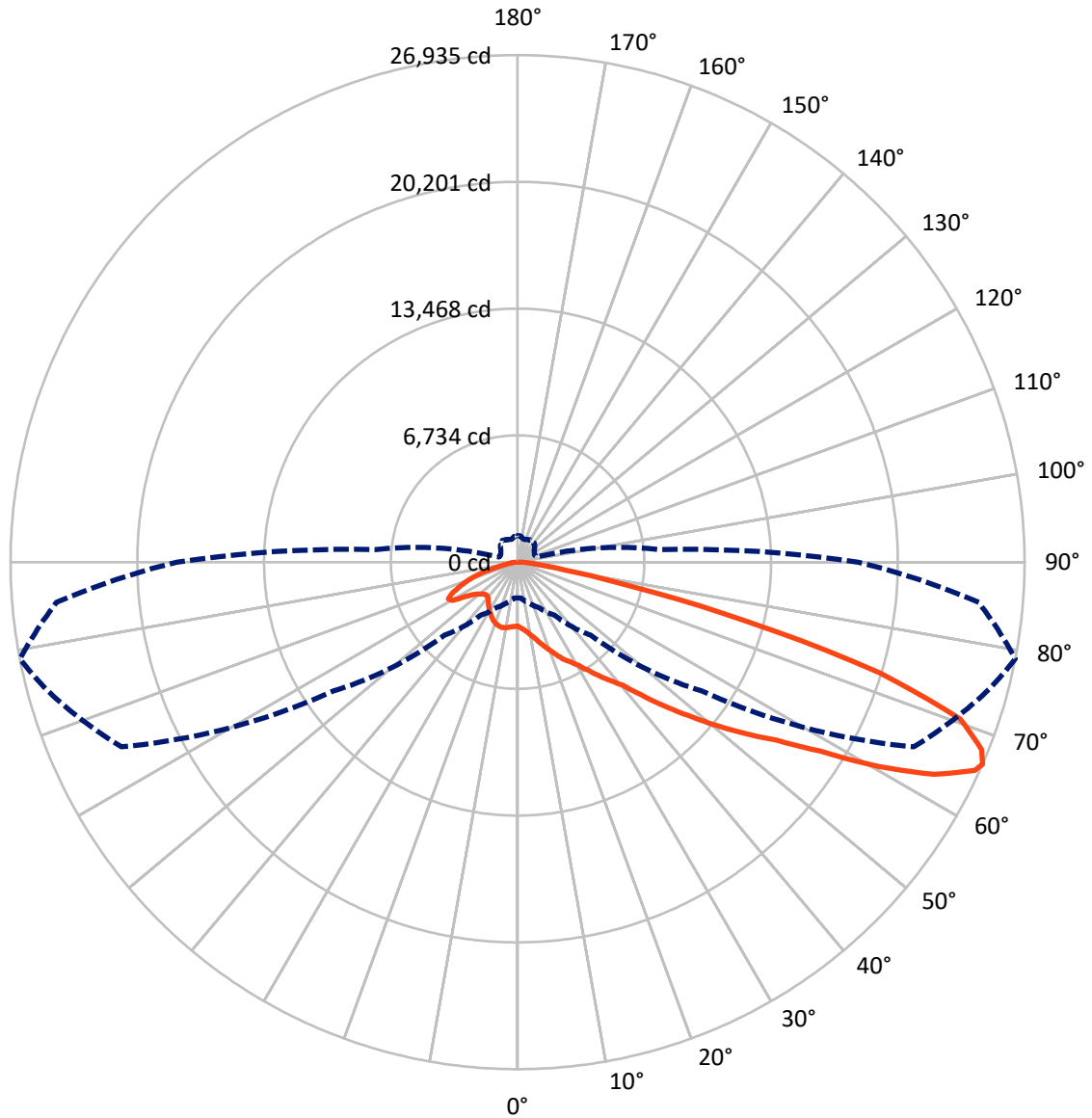
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type II - Short - N/A

REPORT NUMBER: P476611
CATALOG NUMBER: IFLD-S-SA6A-740-U-T2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P476611

CATALOG NUMBER: IFLD-S-SA6A-740-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5443.7	0.0	5443.7
	% Fixture	20.2	0.0	20.2
Street Side	Lumens	21513.7	0.0	21513.7
	% Fixture	79.8	0.0	79.8
Total	Lumens	26957.4	0.0	26957.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	334.7	1.2
10°-20°	1033.6	3.8
20°-30°	1774.2	6.6
30°-40°	2740.7	10.2
40°-50°	4389.9	16.3
50°-60°	6554.5	24.3
60°-70°	6734.7	25.0
70°-80°	2985.4	11.1
80°-90°	409.6	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°	26957.4	100.0
0°-180°	26957.4	100.0

Coefficient of Utilization



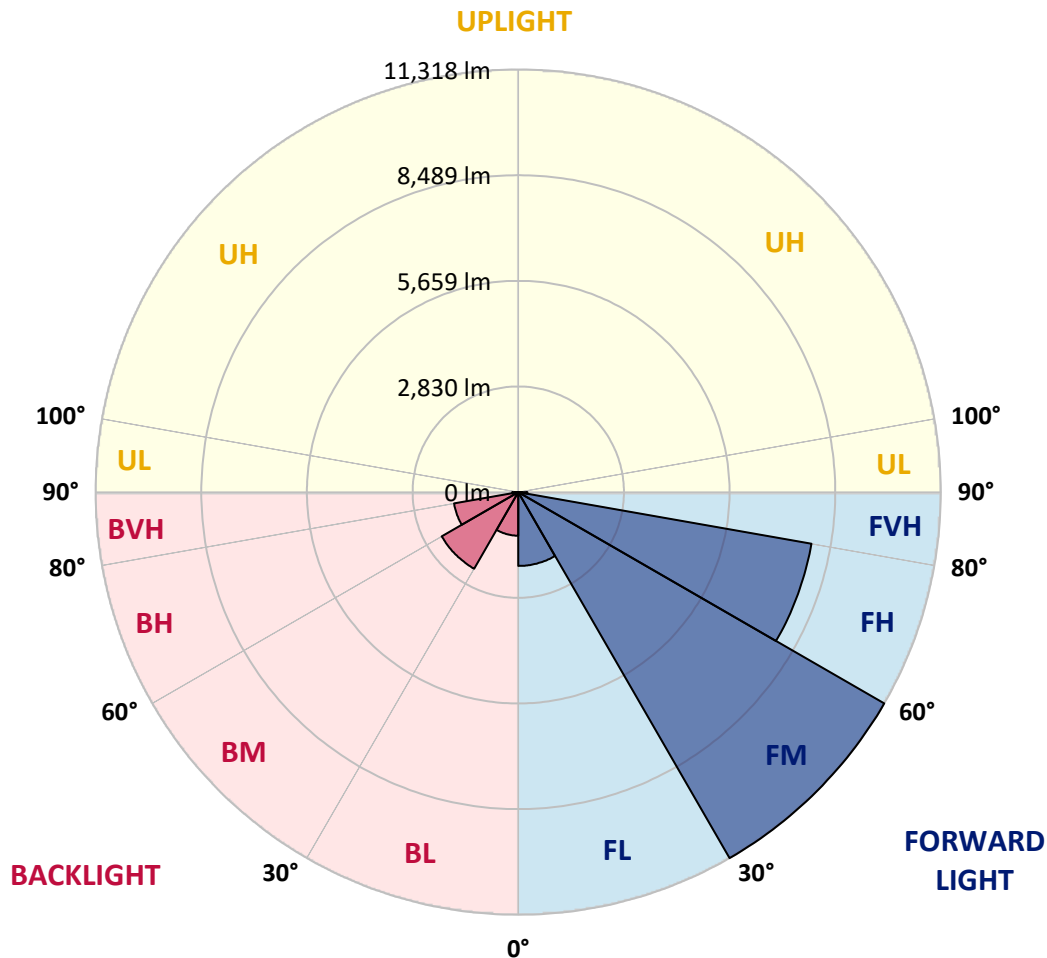
REPORT NUMBER: P476611
 CATALOG NUMBER: IFLD-S-SA6A-740-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1976.1	7.3			
FM (30°-60°)	11318.5	42.0			
FH (60°-80°)	7973.4	29.6			G4/12000
FVH (80°-90°)	245.7	0.9			G3/500
BL (0°-30°)	1166.3	4.3	B3/2500		
BM (30°-60°)	2366.7	8.8	B2/2500		
BH (60°-80°)	1746.8	6.5	B3/2500		G3/2500
BVH (80°-90°)	163.9	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Short





REPORT NUMBER: P476611

CATALOG NUMBER: IFLD-S-SA6A-740-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	79°	85°
0°	3404.0	3404.0	3404.0	3404.0	3404.0	3404.0	3404.0	3404.0	3404.0	3404.0	3404.0
2.5°	3620.4	3623.4	3623.4	3611.5	3614.5	3623.4	3590.8	3519.6	3519.6	3507.7	3487.0
5°	3842.8	3828.0	3807.2	3810.2	3798.3	3798.3	3762.7	3694.6	3635.2	3611.5	3549.3
7.5°	3872.5	3887.3	3884.3	3919.9	3937.7	3937.7	3955.5	3899.1	3810.2	3753.9	3691.6
10°	3931.8	3893.2	3890.2	3973.3	4000.0	4062.2	4133.4	4103.7	4029.6	3949.6	3866.5
12.5°	3967.3	3991.1	3991.1	4032.6	4094.8	4186.8	4311.3	4367.6	4252.0	4169.0	4041.5
15°	4020.7	3988.1	4083.0	4118.6	4237.2	4302.4	4480.3	4625.6	4548.5	4447.7	4246.1
17.5°	4044.4	4023.7	4077.1	4142.3	4343.9	4441.8	4658.2	4859.8	4794.6	4729.4	4521.8
20°	4166.0	4163.0	4186.8	4240.1	4385.4	4578.2	4848.0	5126.7	5150.4	5031.8	4750.1
22.5°	4462.5	4424.0	4424.0	4403.2	4465.5	4664.1	5028.9	5414.3	5521.1	5381.7	5008.1
25°	4735.3	4788.7	4756.1	4661.2	4637.5	4741.2	5159.3	5719.7	5862.1	5731.6	5358.0
27.5°	5085.2	5103.0	5159.3	5031.8	4868.7	4901.4	5301.7	5891.7	6185.3	6010.3	5556.7
30°	5589.3	5556.7	5544.8	5402.5	5189.0	5144.5	5464.7	6143.7	6609.3	6363.2	5790.9
32.5°	5930.3	6010.3	6007.4	5811.7	5553.7	5455.8	5666.4	6381.0	7062.9	6834.6	6223.8
35°	6606.3	6689.3	6624.1	6336.5	6034.0	5838.3	5956.9	6689.3	7581.8	7403.9	6591.5
37.5°	7469.2	7664.9	7525.5	6994.7	6567.8	6354.3	6360.2	7024.4	8112.6	7967.3	6985.8
40°	8065.2	8329.0	8136.3	7638.2	7184.5	6982.9	6902.8	7421.7	8747.1	8592.9	7602.6
42.5°	8803.5	9022.9	8922.1	8429.9	7899.1	7727.1	7567.0	8085.9	9716.7	9645.6	8394.3
45°	9610.0	9713.8	9681.1	9369.8	8779.7	8720.4	8367.6	8960.6	10858.3	10888.0	9384.6
47.5°	10360.2	10416.5	10478.8	10253.4	9885.7	9936.1	9289.7	9897.6	11967.3	12163.0	10487.7
50°	10552.9	10745.6	10890.9	11042.1	11122.2	11463.2	10306.8	11048.1	13242.3	13621.8	11715.2
52.5°	10357.2	10342.4	10784.2	11258.6	12059.2	12773.8	11691.5	12477.3	14369.0	15119.2	12839.0
55°	9467.7	9438.0	10149.6	10778.2	12340.9	13503.2	13669.2	14380.9	15730.0	16705.5	14360.1
57.5°	7911.0	7727.1	8504.0	9535.9	11730.0	13583.3	15655.9	17206.6	17823.4	18935.3	16681.8
60°	5316.5	5239.4	5983.6	7214.2	9524.0	12447.6	16844.9	20744.0	20773.7	22025.0	20284.4
62.5°	3273.5	3288.3	3765.7	4687.9	6668.6	9867.9	16331.9	23569.8	23575.7	24830.0	23249.6
65°	2140.8	2149.7	2535.2	3045.2	4166.0	6692.3	13506.2	23792.2	25523.8	26689.1	24607.6
66°	1906.6	1909.5	2241.6	2656.8	3451.4	5476.6	11928.7	23214.0	25962.7	26935.2	24589.8
67.5°	1607.1	1645.6	1912.5	2232.7	2692.3	3934.7	9464.7	21541.7	25737.3	26591.3	24032.4
70°	1257.2	1278.0	1488.5	1814.7	2019.3	2277.2	5624.8	17559.5	23557.9	24942.7	22004.2
72.5°	1008.1	1025.9	1186.1	1473.7	1639.7	1500.4	3063.0	12741.2	18609.1	20085.8	17307.5
75°	851.0	854.0	931.1	1159.4	1349.1	1126.7	1630.8	8177.8	11940.6	12628.5	10603.3
77.5°	687.9	699.8	753.1	883.6	1085.2	886.6	972.6	4581.1	5995.5	6045.9	4901.4
80°	560.4	566.3	599.0	643.4	827.3	655.3	658.3	2235.7	2570.8	2511.5	1992.6
82.5°	441.8	447.7	486.3	477.4	607.9	468.5	409.2	1076.3	1183.1	1159.4	916.2
85°	249.1	249.1	382.5	382.5	385.5	296.5	249.1	507.0	625.6	584.1	429.9
87.5°	80.1	83.0	115.6	121.6	192.7	133.4	121.6	189.8	296.5	260.9	154.2
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: P476611
 CATALOG NUMBER: IFLD-S-SA6A-740-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3404.0	3404.0	3404.0	3404.0	3404.0	3404.0	3404.0	3404.0	3404.0	3404.0	3404.0
2.5°	3475.1	3427.7	3406.9	3338.7	3320.9	3276.5	3255.7	3229.0	3220.1	3181.6	3217.2
5°	3501.8	3487.0	3404.0	3318.0	3252.7	3223.1	3178.6	3119.3	3113.4	3060.0	3054.1
7.5°	3614.5	3564.1	3418.8	3326.9	3196.4	3122.3	3024.4	2994.8	2956.2	2938.4	2977.0
10°	3789.4	3661.9	3445.5	3214.2	3054.1	2965.1	2894.0	2873.2	2876.2	2864.3	2846.5
12.5°	3914.0	3792.4	3401.0	3119.3	2911.8	2825.8	2819.8	2840.6	2873.2	2858.4	2879.1
15°	4091.9	3863.6	3368.4	2962.2	2796.1	2772.4	2769.4	2831.7	2828.7	2828.7	2825.8
17.5°	4257.9	3934.7	3249.8	2825.8	2674.5	2692.3	2713.1	2710.1	2739.8	2751.6	2772.4
20°	4468.4	4017.7	3083.7	2689.4	2582.6	2576.7	2573.7	2576.7	2606.3	2624.1	2609.3
22.5°	4652.3	4035.5	2944.4	2558.9	2472.9	2449.2	2410.6	2449.2	2434.4	2440.3	2458.1
25°	4812.4	4038.5	2745.7	2461.1	2363.2	2309.8	2280.2	2277.2	2250.5	2247.6	2247.6
27.5°	4945.8	3937.7	2570.8	2324.7	2232.7	2182.3	2179.4	2146.8	2078.6	2034.1	2040.0
30°	5049.6	3860.6	2449.2	2206.1	2117.1	2108.2	2081.5	2007.4	1918.4	1862.1	1862.1
32.5°	5233.5	3706.4	2283.1	2084.5	2040.0	2028.1	1965.9	1900.6	1817.6	1764.3	1755.4
35°	5369.8	3564.1	2173.4	1980.7	1960.0	1936.2	1882.9	1811.7	1788.0	1776.1	1785.0
37.5°	5524.0	3404.0	2040.0	1891.8	1912.5	1868.0	1805.8	1773.1	1856.2	1835.4	1844.3
40°	5770.1	3291.3	1909.5	1838.4	1859.1	1808.7	1728.7	1716.8	1820.6	1746.5	1728.7
42.5°	6220.8	3288.3	1829.5	1758.3	1773.1	1734.6	1663.4	1657.5	1699.0	1610.1	1583.4
45°	6781.2	3392.1	1770.2	1699.0	1687.2	1681.2	1657.5	1630.8	1595.2	1479.6	1449.9
47.5°	7451.4	3561.1	1758.3	1610.1	1624.9	1675.3	1645.6	1577.4	1485.5	1411.4	1396.6
50°	8263.8	3911.0	1728.7	1544.8	1571.5	1651.6	1627.9	1533.0	1449.9	1402.5	1393.6
52.5°	9162.2	4352.8	1690.1	1444.0	1503.3	1630.8	1642.7	1553.7	1432.2	1390.6	1384.7
55°	10220.8	5005.1	1645.6	1334.3	1423.3	1610.1	1642.7	1494.4	1408.4	1408.4	1402.5
57.5°	12311.2	6179.3	1553.7	1233.5	1352.1	1571.5	1595.2	1497.4	1411.4	1411.4	1399.5
60°	15377.2	8011.8	1378.8	1156.4	1283.9	1518.1	1559.7	1452.9	1378.8	1396.6	1393.6
62.5°	17775.9	8569.2	1230.5	1082.3	1215.7	1420.3	1512.2	1405.5	1340.2	1405.5	1411.4
65°	18288.9	8005.8	1079.3	1002.2	1120.8	1325.4	1444.0	1337.3	1283.9	1411.4	1417.3
66°	18105.1	7567.0	1025.9	978.5	1079.3	1278.0	1402.5	1313.6	1254.2	1405.5	1408.4
67.5°	17286.7	6908.7	966.6	928.1	1023.0	1209.8	1355.1	1280.9	1206.8	1387.7	1361.0
70°	15507.6	5859.1	865.8	839.1	942.9	1097.1	1245.4	1197.9	1132.7	1278.0	1230.5
72.5°	11943.5	4681.9	759.1	762.0	851.0	981.5	1135.6	1103.0	1046.7	1120.8	1091.2
75°	7273.5	2991.8	661.2	667.2	741.3	871.7	1031.9	1008.1	939.9	981.5	966.6
77.5°	3223.1	1482.6	557.4	569.3	628.6	768.0	898.4	859.9	788.7	797.6	791.7
80°	1251.3	702.7	453.7	468.5	507.0	613.8	744.2	708.7	646.4	634.5	628.6
82.5°	601.9	391.4	349.9	355.8	370.6	489.2	640.5	596.0	513.0	459.6	459.6
85°	302.4	243.1	246.1	225.3	246.1	332.1	432.9	361.7	299.5	266.9	272.8
87.5°	121.6	121.6	121.6	103.8	109.7	157.2	201.6	136.4	124.5	74.1	74.1
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)