

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: P480561

Luminaire Tested: **IFLD-L-SA7B-750-U-SL3**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P480561  
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-SL3  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL3 distribution lens  
Light Source: (112) 5000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

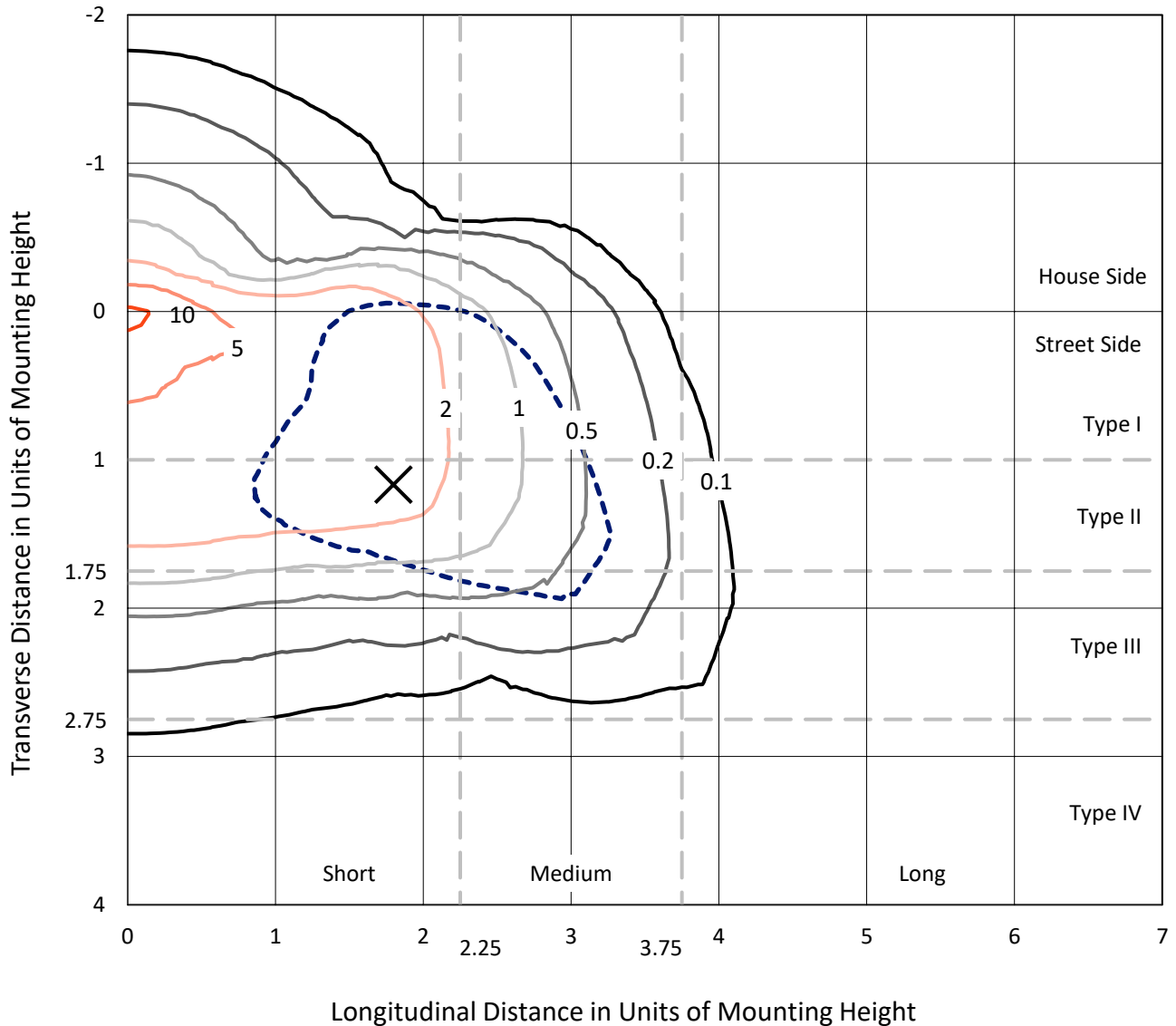
Lumens per Lamp: N/A  
Luminaire Lumens: 35944 lumens  
Efficiency: N/A  
Efficacy: 127.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G5

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: P480561  
 CATALOG NUMBER: IFLD-L-SA7B-750-U-SL3

### Iso-Footcandle Lines of Horizontal Illumination

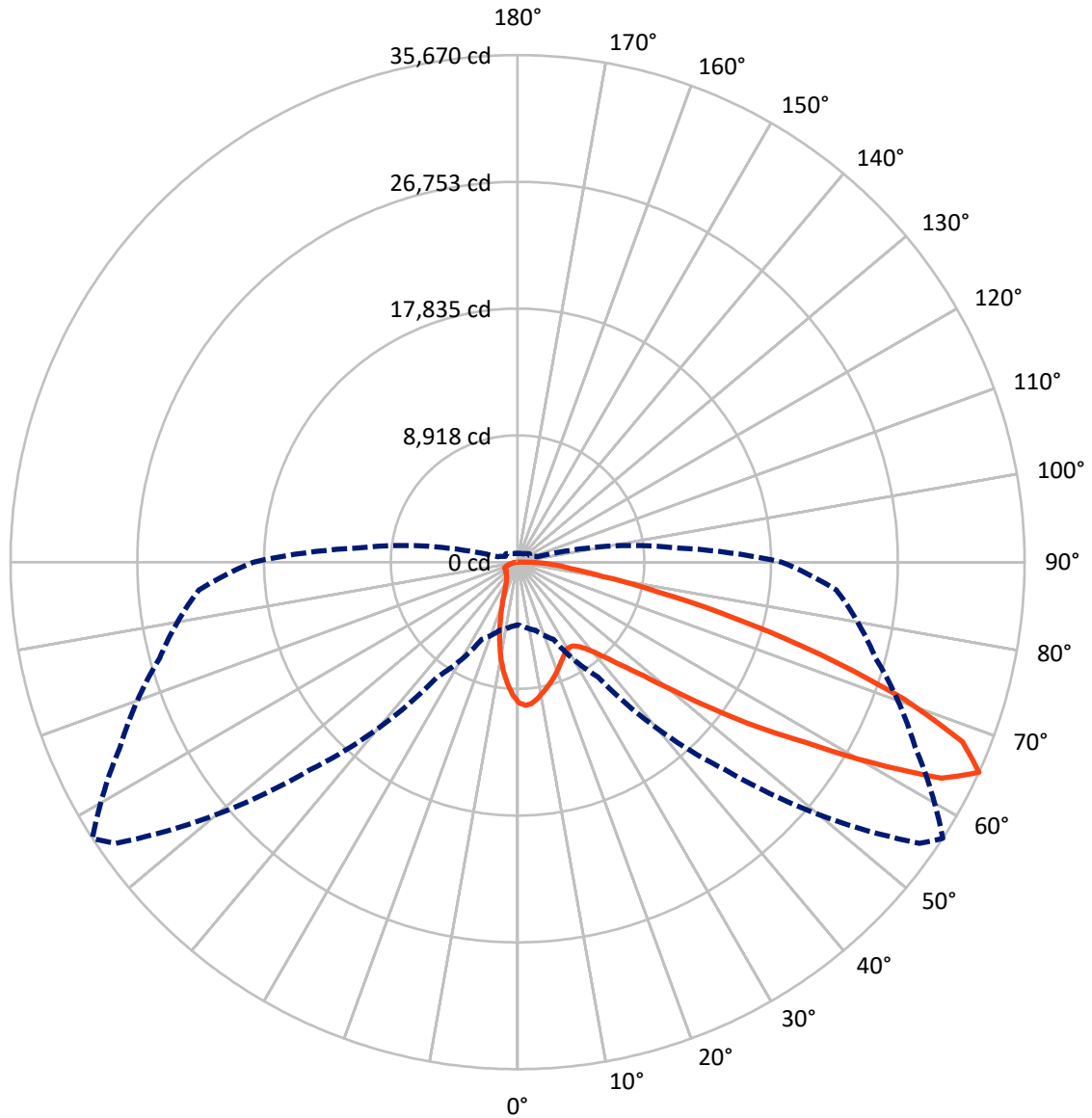
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 11 fc  
 Type III - Short - N/A

REPORT NUMBER: P480561  
CATALOG NUMBER: IFLD-L-SA7B-750-U-SL3

### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P480561

CATALOG NUMBER: IFLD-L-SA7B-750-U-SL3

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5512.4	0.0	5512.4
	% Fixture	15.3	0.0	15.3
<b>Street Side</b>	Lumens	30431.7	0.0	30431.7
	% Fixture	84.7	0.0	84.7
<b>Total</b>	Lumens	35944.0	0.0	35944.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	827.7	2.3
10°-20°	1781.4	5.0
20°-30°	2303.2	6.4
30°-40°	3099.3	8.6
40°-50°	4942.0	13.7
50°-60°	8728.7	24.3
60°-70°	9602.8	26.7
70°-80°	4017.0	11.2
80°-90°	642.0	1.8
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°	35944.0	100.0
0°-180°	35944.0	100.0

**Coefficient of Utilization**



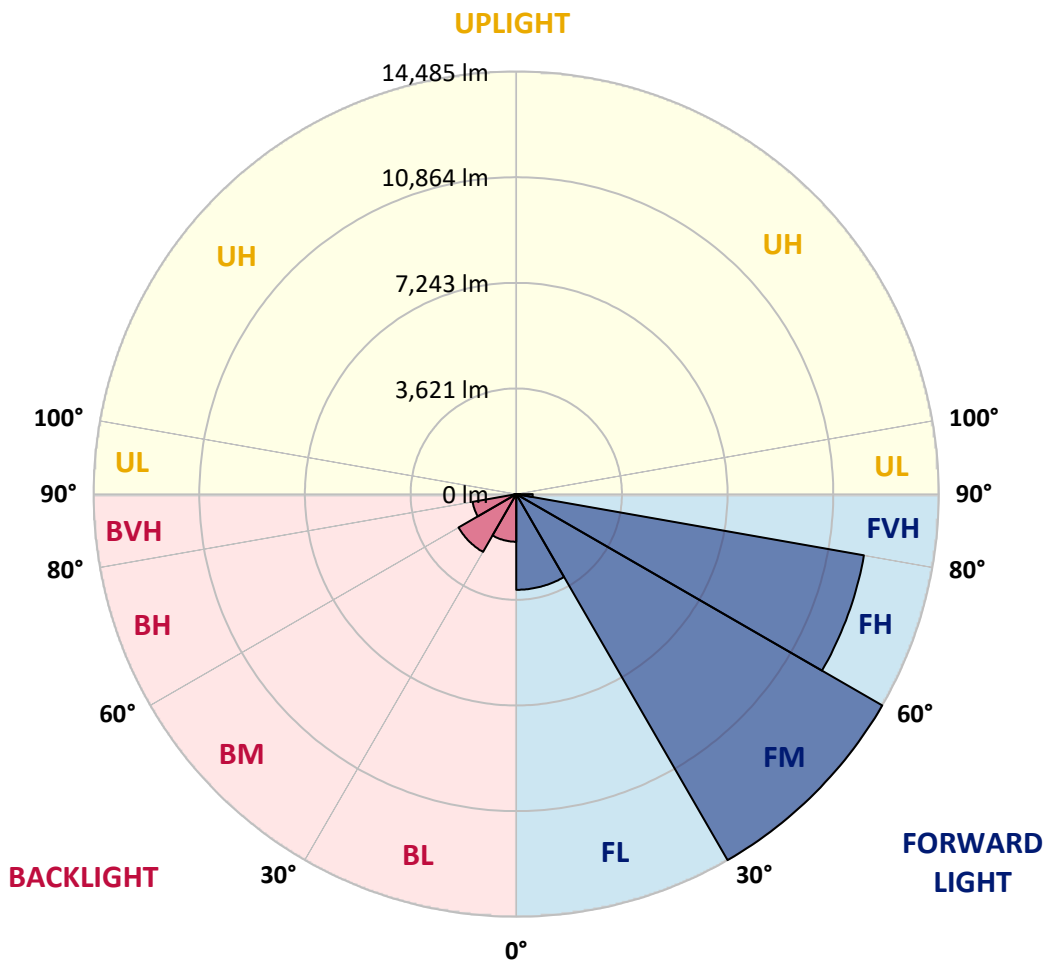
REPORT NUMBER: P480561  
 CATALOG NUMBER: IFLD-L-SA7B-750-U-SL3

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3279.8	9.1			
FM (30°-60°)	14485.4	40.3			
FH (60°-80°)	12099.8	33.7			G5
FVH (80°-90°)	566.7	1.6			G4/750
BL (0°-30°)	1632.5	4.5	B3/2500		
BM (30°-60°)	2284.6	6.4	B2/2500		
BH (60°-80°)	1519.9	4.2	B3/2500		G3/2500
BVH (80°-90°)	75.3	0.2			G1/100
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 Short





REPORT NUMBER: P480561

CATALOG NUMBER: IFLD-L-SA7B-750-U-SL3

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	9884.1	9884.1	9884.1	9884.1	9884.1	9884.1	9884.1	9884.1	9884.1	9884.1	9884.1
2.5°	10151.0	10167.2	10167.2	10199.6	10090.4	10142.9	10134.8	10086.3	10102.5	10017.6	9932.6
5°	9863.9	9851.8	9916.5	9924.5	10009.5	10033.7	10054.0	10021.6	10029.7	9843.7	9762.8
7.5°	9127.8	9123.8	9233.0	9326.0	9503.9	9669.8	9779.0	9746.6	9791.1	9673.8	9483.7
10°	8254.3	8347.3	8460.5	8553.6	8881.1	9091.4	9374.5	9402.8	9572.7	9544.4	9200.6
12.5°	7599.1	7639.6	7724.5	7991.4	8290.7	8638.5	9042.9	9079.3	9245.1	9326.0	9026.7
15°	7061.2	7097.6	7206.8	7405.0	7740.7	8153.2	8666.8	8759.8	9091.4	9119.7	8800.3
17.5°	6668.9	6697.2	6770.0	6968.2	7243.2	7773.0	8258.3	8424.1	8860.9	8998.4	8565.7
20°	6515.3	6454.6	6495.0	6620.4	6895.4	7303.9	7930.7	8076.3	8634.4	8905.4	8343.3
22.5°	6446.5	6393.9	6418.2	6410.1	6628.5	6919.7	7578.9	7732.6	8420.1	8796.2	8145.1
25°	6499.1	6499.1	6474.8	6454.6	6478.9	6668.9	7198.7	7437.3	8133.0	8703.2	7942.9
27.5°	6782.2	6673.0	6685.1	6600.2	6575.9	6575.9	7028.9	7170.4	8039.9	8650.6	7777.1
30°	6964.2	7016.7	7020.8	6895.4	6770.0	6543.6	6871.2	7008.7	7963.1	8715.3	7680.0
32.5°	7429.3	7405.0	7336.2	7312.0	7125.9	6871.2	6948.0	7041.0	7918.6	8860.9	7708.3
35°	7894.3	7882.2	7886.3	7874.1	7680.0	7303.9	7154.2	7279.6	7999.5	9115.7	7805.4
37.5°	8375.6	8408.0	8545.5	8545.5	8339.2	7930.7	7732.6	7696.2	8294.7	9532.3	8035.9
40°	8856.9	8937.8	9111.7	9386.7	9095.5	8715.3	8395.8	8339.2	8650.6	10090.4	8590.0
42.5°	9317.9	9451.4	9795.1	10203.6	10106.5	9726.4	9301.7	9237.0	9382.6	10919.4	9362.4
45°	9908.4	10021.6	10563.5	11190.4	11323.9	10988.2	10490.7	10438.2	10430.1	12132.7	10426.0
47.5°	10806.2	10927.5	11469.4	12100.3	12512.9	12565.4	12007.3	11950.7	11756.6	13770.6	11983.1
50°	11930.5	12128.7	12585.7	13321.7	13920.2	14482.4	14324.7	14158.9	13778.7	15675.4	13956.6
52.5°	12751.5	12994.1	13612.9	14555.2	15610.7	16504.5	17070.7	17070.7	16197.2	17766.3	16330.6
55°	12969.9	13115.4	13896.0	15258.9	17066.7	19327.4	20512.3	20423.4	19076.6	19966.4	19092.8
57.5°	12100.3	12290.4	13236.8	14664.4	17831.0	21968.3	23929.7	23949.9	22223.1	22522.3	21818.6
60°	9706.2	9766.8	10883.0	12791.9	17095.0	24095.5	28596.8	28673.6	25802.2	24799.2	23205.8
62.5°	6709.4	6903.5	7744.7	9419.0	14162.9	23856.9	33098.0	33478.2	28669.6	26000.4	23424.2
65°	4416.3	4533.6	4982.5	6001.6	9859.8	20678.2	34497.3	35670.1	30861.5	26069.1	22510.2
67.5°	3203.0	3223.3	3356.7	3882.5	5924.8	14870.6	32107.2	33761.3	31682.5	25494.8	20366.8
70°	2588.3	2604.5	2653.0	2988.7	3825.8	9305.8	26186.4	28778.8	29219.6	22773.1	16403.4
72.5°	2103.0	2123.2	2183.9	2499.3	3154.5	5176.6	19149.4	22308.0	23768.0	16848.3	10903.3
75°	1654.1	1670.3	1815.9	2127.3	2964.4	3554.9	12702.9	15796.8	15994.9	9847.7	5103.8
77.5°	1132.4	1160.7	1338.6	1803.7	2790.5	3110.0	7918.6	10118.7	9079.3	3854.2	1755.2
80°	719.9	760.3	865.5	1367.0	2467.0	2968.5	4925.9	6042.1	3975.5	1318.4	845.2
82.5°	424.6	465.1	570.2	885.7	1937.2	2754.1	3470.0	3781.4	1864.4	675.4	509.6
85°	234.6	262.9	343.8	533.8	1136.4	2446.8	2778.4	2713.7	1067.7	359.9	319.5
87.5°	76.8	89.0	125.4	214.3	469.1	1152.6	1666.2	1565.1	554.1	165.8	125.4
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: P480561  
 CATALOG NUMBER: IFLD-L-SA7B-750-U-SL3

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	9884.1	9884.1	9884.1	9884.1	9884.1	9884.1	9884.1	9884.1	9884.1	9884.1	9884.1
2.5°	9876.0	9863.9	9681.9	9544.4	9309.8	9115.7	9038.9	8933.7	8929.7	8852.8	8832.6
5°	9637.4	9512.0	9233.0	8966.1	8549.5	8270.5	8015.7	7837.7	7764.9	7607.2	7570.8
7.5°	9330.0	9164.2	8735.5	8234.1	7744.7	7307.9	6911.6	6515.3	6292.8	6216.0	6131.1
10°	9010.6	8719.4	8084.4	7522.3	6838.8	6167.5	5544.6	4986.5	4683.2	4468.9	4375.9
12.5°	8755.8	8367.5	7558.7	6717.5	5815.6	4917.8	4193.9	3607.5	3263.7	3101.9	3029.1
15°	8468.6	7955.0	6984.4	5920.8	4796.5	3777.3	3069.6	2608.5	2471.0	2394.2	2382.1
17.5°	8165.3	7570.8	6361.6	5136.2	3801.6	2843.1	2386.1	2200.1	2139.4	2107.0	2090.9
20°	7882.2	7227.0	5722.6	4262.6	2976.6	2280.9	2066.6	1969.5	1965.5	1981.7	1977.6
22.5°	7481.8	6778.1	5091.7	3453.8	2378.0	1985.7	1848.2	1823.9	1848.2	1868.4	1876.5
25°	7255.4	6410.1	4388.0	2742.0	1965.5	1763.3	1718.8	1710.7	1747.1	1771.4	1767.3
27.5°	7020.8	6030.0	3732.8	2196.0	1722.8	1605.6	1597.5	1605.6	1642.0	1678.4	1674.3
30°	6838.8	5726.6	3118.1	1836.1	1536.8	1492.3	1484.2	1492.3	1512.5	1516.6	1516.6
32.5°	6689.2	5366.7	2596.4	1593.4	1423.6	1387.2	1395.3	1391.2	1395.3	1399.3	1403.3
35°	6600.2	5152.4	2167.7	1443.8	1330.6	1302.2	1298.2	1286.1	1290.1	1294.2	1290.1
37.5°	6790.3	5047.2	1828.0	1338.6	1265.8	1241.6	1233.5	1225.4	1213.3	1213.3	1213.3
40°	7077.4	4990.6	1621.7	1269.9	1217.3	1189.0	1164.7	1156.7	1156.7	1160.7	1164.7
42.5°	7647.6	5083.6	1480.2	1217.3	1156.7	1124.3	1100.0	1104.1	1116.2	1128.3	1120.3
45°	8472.7	5366.7	1415.5	1176.9	1120.3	1075.8	1059.6	1055.5	1067.7	1087.9	1104.1
47.5°	9552.5	5807.5	1391.2	1140.5	1096.0	1035.3	1015.1	1027.2	1043.4	1071.7	1059.6
50°	11319.8	6798.4	1411.4	1108.1	1059.6	1015.1	990.8	978.7	990.8	1011.1	1019.1
52.5°	13629.1	8598.0	1488.3	1091.9	1035.3	998.9	958.5	938.3	950.4	966.6	966.6
55°	16391.3	11056.9	1702.6	1071.7	994.9	974.7	930.2	889.7	897.8	897.8	893.8
57.5°	18825.9	12913.2	1957.4	1043.4	970.6	942.3	885.7	837.2	829.1	833.1	837.2
60°	19917.8	13406.6	2078.7	1035.3	970.6	901.9	825.0	776.5	764.4	756.3	756.3
62.5°	19727.8	12553.3	1832.0	998.9	994.9	869.5	768.4	715.8	699.7	683.5	687.5
65°	18579.2	11336.0	1443.8	950.4	998.9	849.3	711.8	659.2	630.9	610.7	606.6
67.5°	16480.2	9677.8	1144.5	914.0	958.5	812.9	663.3	602.6	578.3	558.1	550.0
70°	12893.0	7587.0	994.9	865.5	861.4	723.9	606.6	554.1	517.7	493.4	493.4
72.5°	8359.4	4796.5	853.3	768.4	744.1	606.6	525.8	493.4	465.1	444.9	444.9
75°	3785.4	2228.4	687.5	643.0	606.6	485.3	444.9	428.7	404.4	384.2	384.2
77.5°	1358.9	950.4	513.6	505.5	453.0	376.1	359.9	347.8	331.6	311.4	311.4
80°	760.3	602.6	384.2	368.0	315.5	279.1	258.8	258.8	250.7	238.6	234.6
82.5°	481.3	392.3	283.1	246.7	206.3	186.0	177.9	173.9	169.9	153.7	149.6
85°	303.3	266.9	186.0	145.6	121.3	93.0	89.0	84.9	76.8	68.8	68.8
87.5°	137.5	153.7	72.8	44.5	32.4	20.2	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)