

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: P476925

Luminaire Tested: **IFLD-S-SA6C-730-U-T2R**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P476925
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6C-730-U-T2R
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

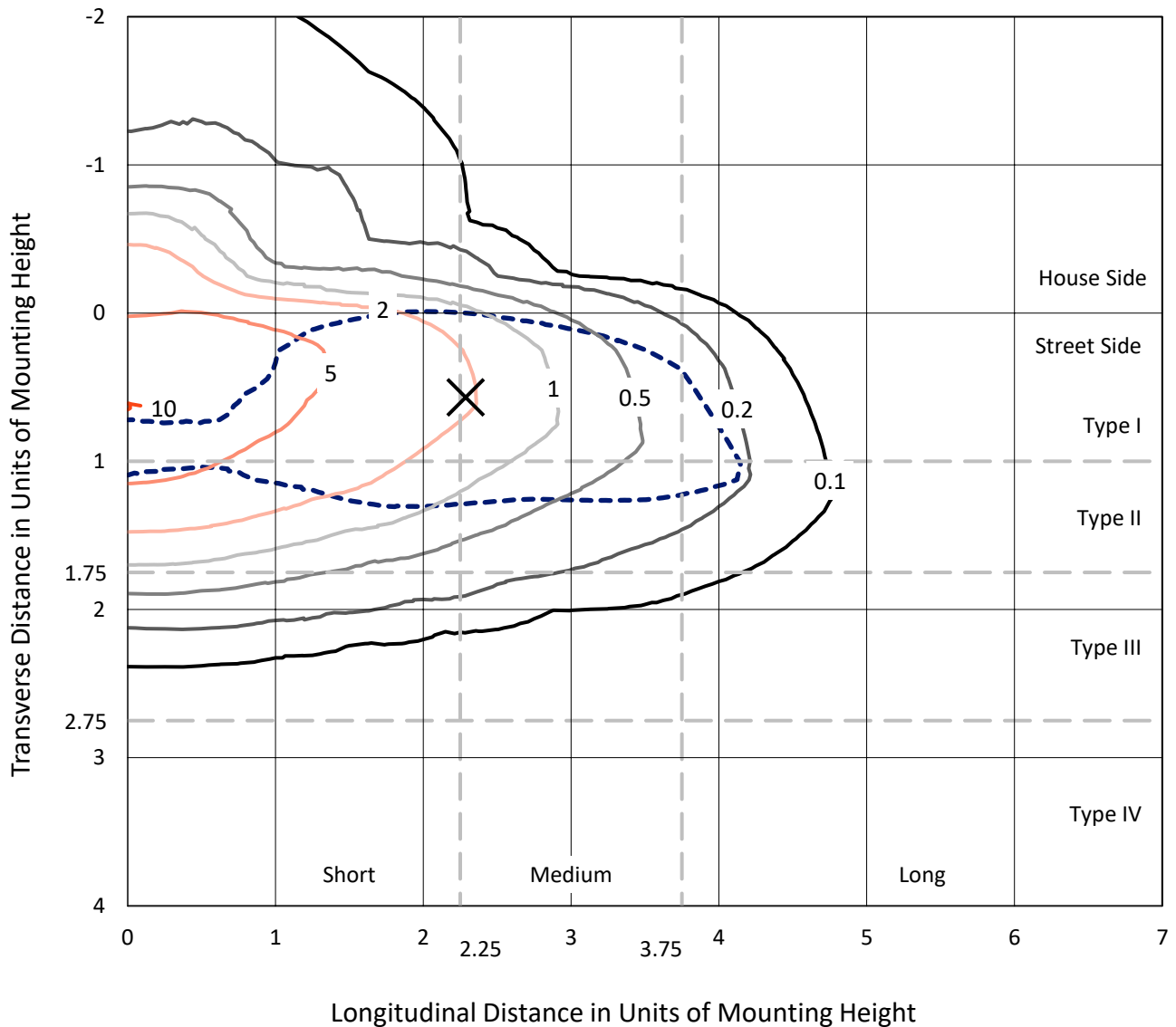
Lumens per Lamp: N/A
Luminaire Lumens: 38049.7 lumens
Efficiency: N/A
Efficacy: 118.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 321.5
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

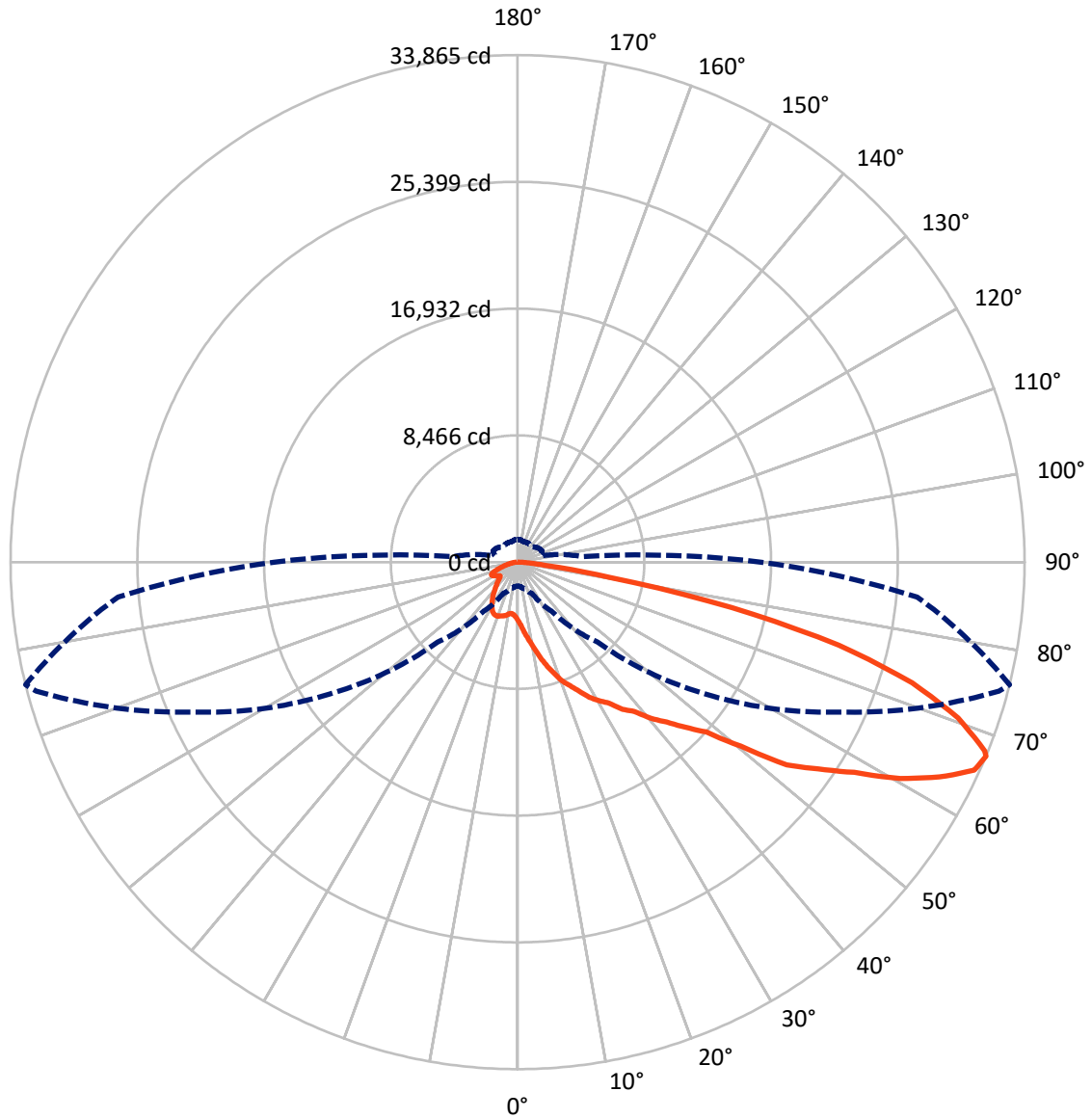
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10.1 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 67-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5413.1	0.0	5413.1
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	32636.7	0.0	32636.7
	% Fixture	85.8	0.0	85.8
Total	Lumens	38049.7	0.0	38049.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	451.0	1.2
10°-20°	1691.6	4.4
20°-30°	3145.0	8.3
30°-40°	4985.5	13.1
40°-50°	6895.4	18.1
50°-60°	8481.8	22.3
60°-70°	7892.7	20.7
70°-80°	3960.5	10.4
80°-90°	546.1	1.4
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°	38049.7	100.0
0°-180°	38049.7	100.0

Coefficient of Utilization



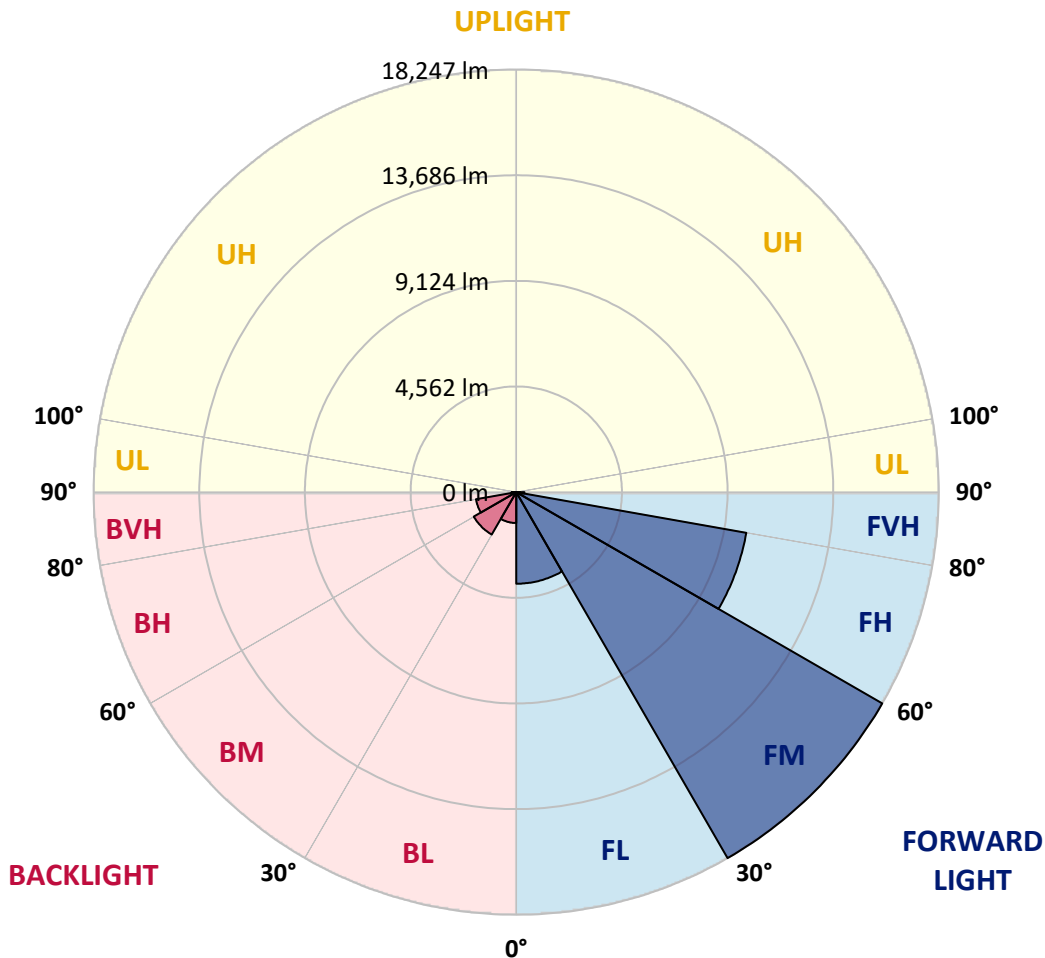
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3954.7	10.4			
FM (30°-60°)	18247.4	48.0			
FH (60°-80°)	10086.7	26.5			G4/12000
FVH (80°-90°)	347.9	0.9			G3/500
BL (0°-30°)	1333.0	3.5	B3/2500		
BM (30°-60°)	2115.3	5.6	B2/2500		
BH (60°-80°)	1766.6	4.6	B3/2500		G3/2500
BVH (80°-90°)	198.2	0.5			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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	3893.8	3893.8	3893.8	3893.8	3893.8	3893.8	3893.8	3893.8	3893.8	3893.8	3893.8
2.5°	5402.8	5337.7	5272.7	5133.9	5086.2	4956.2	4717.7	4453.2	4236.4	4206.0	4054.2
5°	6703.6	6608.2	6586.5	6508.5	6261.3	6009.8	5619.6	5194.6	4665.6	4704.7	4184.3
7.5°	7679.2	7622.8	7505.8	7432.1	7284.6	6950.8	6547.5	5983.8	5311.7	5181.6	4474.8
10°	8416.4	8338.3	8334.0	8268.9	8190.9	7848.3	7540.5	6781.6	5918.8	5741.0	4830.4
12.5°	8789.3	8776.2	9006.1	9006.1	8975.7	8832.6	8303.6	7609.8	6495.5	6434.8	5242.3
15°	9192.5	9084.1	9283.6	9435.3	9513.4	9587.1	9149.2	8416.4	7232.6	7115.5	5684.6
17.5°	9192.5	9183.8	9383.3	9634.8	10042.4	10137.8	9899.3	9157.8	7844.0	7757.3	6170.3
20°	9036.4	9162.2	9300.9	9639.1	10081.4	10467.3	10536.7	9916.6	8520.4	8451.0	6720.9
22.5°	9764.9	9643.5	9786.6	9916.6	10259.2	10844.6	11035.3	10584.4	9231.5	8967.0	7219.6
25°	10987.7	10905.3	10801.2	10610.4	10753.5	11009.3	11299.9	11078.7	9838.6	9543.7	7700.9
27.5°	12180.1	12184.4	11958.9	11542.7	11234.8	11286.8	11629.4	11512.3	10350.2	10220.2	8030.4
30°	13875.5	13771.4	13519.9	12956.2	12353.5	11859.2	11802.8	11915.6	11000.7	10749.2	8503.1
32.5°	15146.0	15167.6	14812.1	14001.2	13177.4	12774.1	12279.8	12327.5	11412.6	11226.1	8880.3
35°	16173.6	16147.6	15896.1	15224.0	14248.4	13762.8	13095.0	12821.8	12370.9	12076.0	9457.0
37.5°	17283.7	17071.2	16663.6	15904.8	15280.4	14608.3	13957.9	13342.1	13008.3	12652.7	9951.3
40°	17730.3	17730.3	17183.9	16837.0	16095.6	15588.2	15167.6	14027.3	13784.4	13715.1	10584.4
42.5°	17413.7	17608.9	17383.4	16988.8	16685.3	16043.5	15930.8	14738.4	14742.7	14604.0	11343.2
45°	17383.4	17114.5	16928.1	17027.8	16884.7	16850.0	17136.2	15722.7	15748.7	15731.3	12362.2
47.5°	16511.8	16390.4	16667.9	16832.7	16949.8	17487.5	18311.3	16897.7	17084.2	16954.1	13537.3
50°	15644.6	15622.9	15796.4	16394.8	16902.1	17786.6	19430.0	18710.2	19321.6	19312.9	15666.3
52.5°	13268.4	13498.2	14179.0	15445.2	16698.3	18194.2	20275.6	21025.7	22192.1	22508.6	17431.1
55°	10996.3	10874.9	11880.9	13719.4	15809.4	18354.7	21220.8	22417.6	24134.7	24364.5	19243.6
57.5°	8555.1	8780.6	9574.1	11338.9	13970.9	17561.2	21914.6	23792.1	26328.7	26506.5	21346.6
60°	6382.7	6413.1	7284.6	8706.9	11525.3	15770.4	22140.1	25201.4	28843.7	29351.0	23549.3
62.5°	4015.2	4197.3	4860.8	6261.3	8676.5	13264.1	21129.8	26055.6	31480.0	31614.4	25769.4
65°	2163.7	2280.8	2779.4	3659.7	6061.9	10033.7	18450.1	25543.9	32720.1	33518.0	26758.0
67°	1600.0	1621.7	1851.5	2337.2	4054.2	7553.5	15384.4	23692.4	33283.8	33864.9	26797.0
67.5°	1500.3	1530.6	1712.8	2098.7	3594.6	6955.1	14582.3	23033.3	33032.3	33656.7	26493.5
70°	1283.5	1292.2	1335.5	1443.9	2016.3	4184.3	9929.6	18875.0	30617.1	31215.5	24364.5
72.5°	1140.4	1149.1	1166.4	1188.1	1365.9	2419.5	6040.2	14525.9	26610.6	27564.5	21021.4
75°	1001.6	1032.0	1040.7	1023.3	1162.1	1574.0	3213.0	10675.5	21706.5	22170.4	16347.1
77.5°	849.9	862.9	880.2	897.6	1036.3	1175.1	1543.6	7206.6	14898.8	14617.0	8841.3
80°	715.5	719.8	732.8	745.8	897.6	897.6	875.9	3893.8	6508.5	6222.3	2987.6
82.5°	511.7	542.0	572.4	607.1	745.8	602.7	572.4	1734.4	2059.6	1959.9	1010.3
85°	199.5	242.8	377.2	416.3	472.6	325.2	381.6	750.1	858.5	849.9	377.2
87.5°	34.7	39.0	104.1	160.4	173.4	112.7	182.1	268.8	320.9	346.9	138.8
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°	3893.8	3893.8	3893.8	3893.8	3893.8	3893.8	3893.8	3893.8	3893.8	3893.8	3893.8
2.5°	3928.5	3794.1	3633.6	3473.2	3369.1	3204.4	3191.4	3091.6	3078.6	3043.9	3061.3
5°	3958.9	3798.4	3473.2	3217.4	3100.3	3004.9	3026.6	2983.2	2970.2	2948.5	2913.9
7.5°	4197.3	3880.8	3395.2	3174.0	3087.3	3043.9	3043.9	2991.9	2952.9	2978.9	3004.9
10°	4353.4	3919.8	3455.9	3234.7	3165.3	3070.0	3104.6	3039.6	3061.3	3009.2	3009.2
12.5°	4604.9	4141.0	3581.6	3325.8	3213.0	3126.3	3161.0	3087.3	3070.0	3074.3	3061.3
15°	4943.1	4288.4	3638.0	3377.8	3299.8	3191.4	3165.3	3100.3	3035.3	3013.6	3039.6
17.5°	5259.7	4470.5	3677.0	3408.2	3282.4	3161.0	3130.7	3048.3	3026.6	2961.5	2909.5
20°	5636.9	4687.3	3729.0	3434.2	3217.4	3096.0	3017.9	2935.5	2861.8	2822.8	2840.1
22.5°	5888.4	4800.1	3755.1	3382.2	3122.0	3009.2	2844.5	2788.1	2684.0	2640.7	2606.0
25°	6300.3	4938.8	3690.0	3239.1	2952.9	2770.8	2623.3	2545.3	2471.6	2415.2	2397.9
27.5°	6404.4	5042.9	3538.2	2996.2	2684.0	2493.3	2367.5	2272.1	2224.4	2137.7	2120.3
30°	6707.9	4938.8	3312.8	2701.4	2428.2	2233.1	2107.3	2038.0	1925.2	1903.5	1855.8
32.5°	6903.1	4969.2	3026.6	2415.2	2133.4	1959.9	1877.5	1808.1	1777.8	1673.7	1647.7
35°	7228.3	4865.1	2736.1	2150.7	1890.5	1756.1	1686.7	1665.1	1565.3	1517.6	1474.3
37.5°	7436.4	4804.4	2445.6	1851.5	1626.0	1569.7	1591.3	1500.3	1378.9	1287.8	1257.5
40°	7800.6	4782.7	2116.0	1604.4	1443.9	1430.9	1500.3	1326.8	1105.7	1027.7	984.3
42.5°	8325.3	4635.3	1860.2	1383.2	1300.8	1357.2	1370.2	1105.7	980.0	914.9	884.6
45°	8828.3	4665.6	1608.7	1144.7	1131.7	1214.1	1183.8	936.6	862.9	815.2	841.2
47.5°	9795.2	4817.4	1361.5	953.9	1019.0	1097.0	919.3	836.9	767.5	732.8	737.1
50°	11291.2	4964.8	1144.7	871.6	962.6	993.0	789.2	758.8	754.5	685.1	680.8
52.5°	12188.7	4908.5	1105.7	975.6	1032.0	993.0	858.5	836.9	802.2	771.8	737.1
55°	13615.3	5073.2	1188.1	1140.4	1170.7	953.9	962.6	953.9	927.9	849.9	871.6
57.5°	14751.4	5181.6	1296.5	1274.8	1257.5	993.0	1006.0	1010.3	993.0	958.3	988.6
60°	16312.4	5398.4	1409.2	1413.6	1417.9	1079.7	1101.4	1127.4	1123.0	1110.0	1118.7
62.5°	17270.6	5298.7	1535.0	1604.4	1582.7	1257.5	1253.1	1270.5	1270.5	1292.2	1305.2
65°	17127.6	4930.1	1600.0	1773.5	1660.7	1387.5	1387.5	1396.2	1400.6	1443.9	1448.3
67°	16269.0	4271.0	1565.3	1799.5	1660.7	1439.6	1439.6	1448.3	1417.9	1530.6	1496.0
67.5°	15870.1	4075.9	1535.0	1777.8	1647.7	1435.2	1435.2	1439.6	1413.6	1522.0	1487.3
70°	13801.8	3026.6	1322.5	1574.0	1526.3	1396.2	1396.2	1370.2	1348.5	1491.6	1461.3
72.5°	11781.2	2198.4	1062.3	1339.9	1378.9	1344.2	1352.9	1287.8	1227.1	1326.8	1300.8
75°	9023.4	1617.4	828.2	1032.0	1166.4	1257.5	1313.8	1149.1	1071.0	1097.0	1049.3
77.5°	5034.2	1053.7	654.7	763.2	888.9	1170.7	1261.8	1036.3	875.9	845.5	845.5
80°	1708.4	615.7	481.3	568.0	611.4	1036.3	1179.4	841.2	689.4	659.1	637.4
82.5°	646.1	377.2	329.5	390.2	390.2	819.5	962.6	646.1	520.3	672.1	685.1
85°	294.9	225.5	216.8	225.5	225.5	503.0	680.8	420.6	468.3	403.3	355.6
87.5°	117.1	108.4	99.7	95.4	78.0	86.7	234.1	112.7	212.5	56.4	52.0
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)