

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: P476934

Luminaire Tested: **IFLD-L-SA7B-730-U-T2R**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P476934
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7B-730-U-T2R
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens
Light Source: (112) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

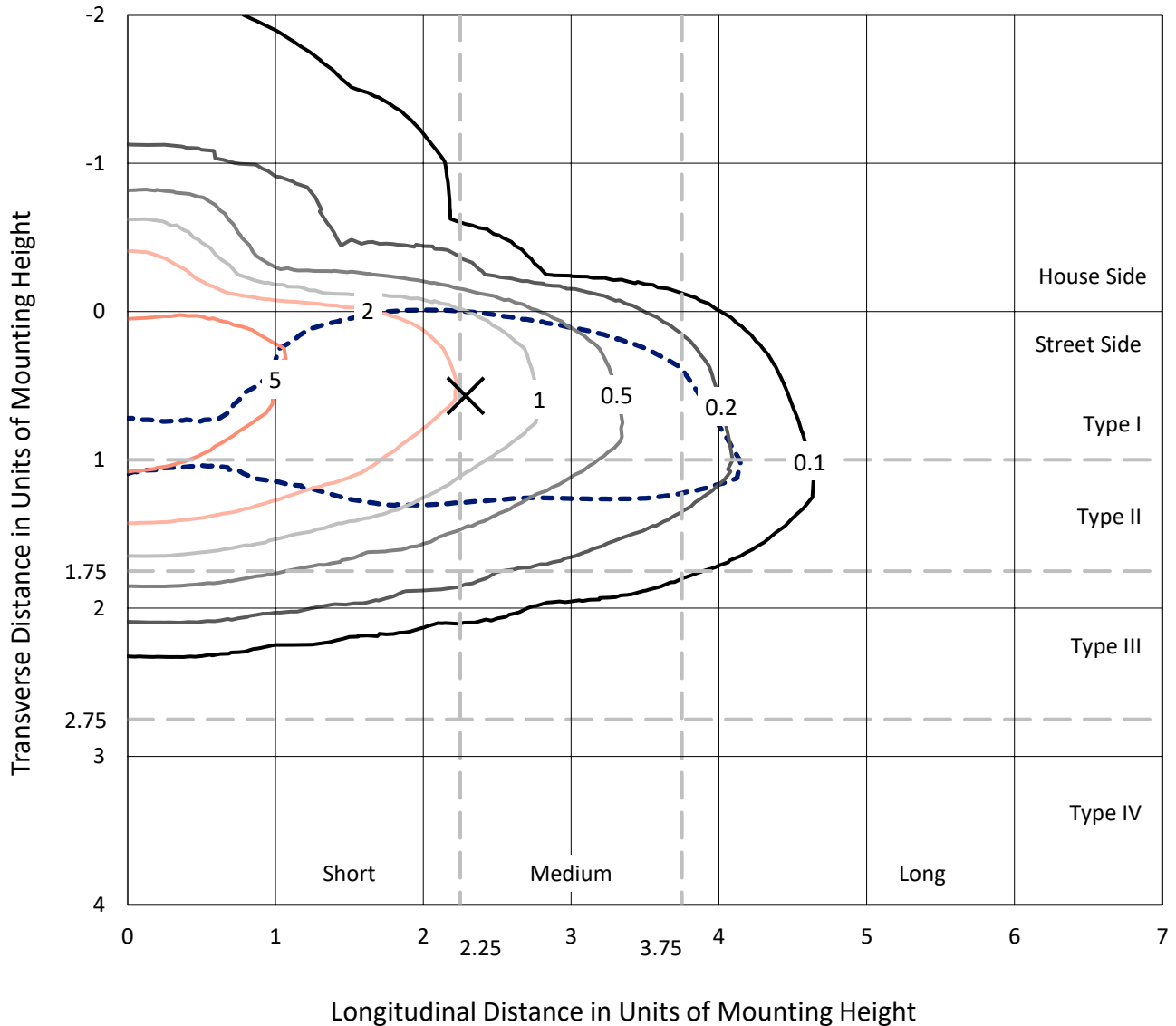
Lumens per Lamp: N/A
Luminaire Lumens: 32610.6 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 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

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Iso-Footcandle Lines of Horizontal Illumination

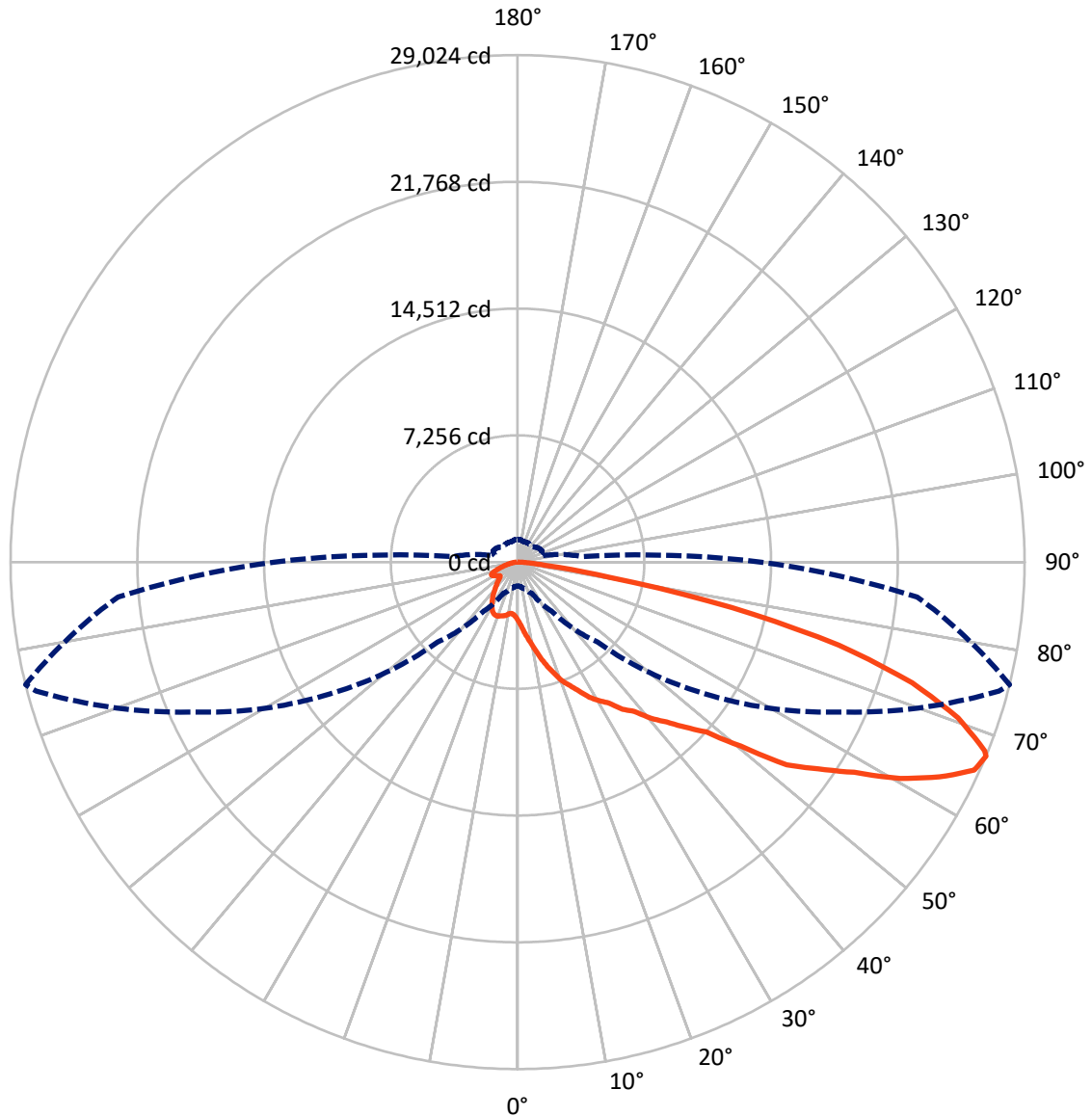
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.6 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	4639.3	0.0	4639.3
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	27971.3	0.0	27971.3
	% Fixture	85.8	0.0	85.8
Total	Lumens	32610.6	0.0	32610.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	386.6	1.2
10°-20°	1449.8	4.4
20°-30°	2695.4	8.3
30°-40°	4272.9	13.1
40°-50°	5909.7	18.1
50°-60°	7269.3	22.3
60°-70°	6764.5	20.7
70°-80°	3394.4	10.4
80°-90°	468.0	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°	32610.6	100.0
0°-180°	32610.6	100.0

Coefficient of Utilization



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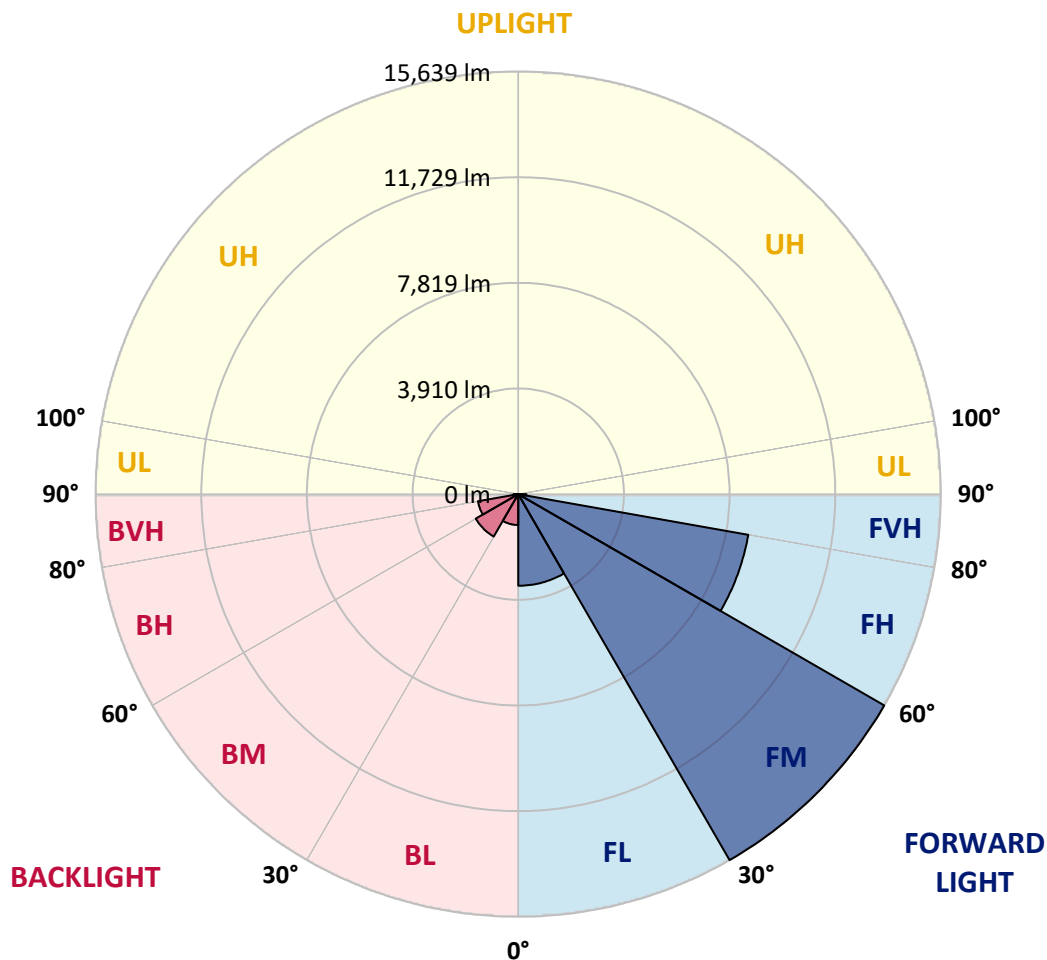
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3389.3	10.4			
FM (30°-60°)	15639.0	48.0			
FH (60°-80°)	8644.8	26.5			G4/12000
FVH (80°-90°)	298.2	0.9			G3/500
BL (0°-30°)	1142.5	3.5	B3/2500		
BM (30°-60°)	1812.9	5.6	B2/2500		
BH (60°-80°)	1514.0	4.6	B3/2500		G3/2500
BVH (80°-90°)	169.8	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°	3337.2	3337.2	3337.2	3337.2	3337.2	3337.2	3337.2	3337.2	3337.2	3337.2	3337.2
2.5°	4630.5	4574.7	4519.0	4400.0	4359.2	4247.7	4043.3	3816.6	3630.8	3604.8	3474.7
5°	5745.3	5663.6	5645.0	5578.1	5366.3	5150.7	4816.3	4452.1	3998.7	4032.1	3586.2
7.5°	6581.5	6533.2	6432.8	6369.7	6243.3	5957.2	5611.5	5128.4	4552.4	4440.9	3835.2
10°	7213.3	7146.4	7142.6	7086.9	7020.0	6726.4	6462.6	5812.2	5072.7	4920.3	4139.9
12.5°	7532.9	7521.7	7718.7	7718.7	7692.6	7570.0	7116.6	6522.0	5567.0	5514.9	4493.0
15°	7878.5	7785.6	7956.5	8086.6	8153.5	8216.6	7841.3	7213.3	6198.7	6098.4	4872.0
17.5°	7878.5	7871.0	8042.0	8257.5	8606.8	8688.6	8484.2	7848.7	6722.7	6648.4	5288.2
20°	7744.7	7852.4	7971.4	8261.2	8640.3	8971.0	9030.5	8499.1	7302.4	7243.0	5760.2
22.5°	8369.0	8265.0	8387.6	8499.1	8792.7	9294.4	9457.9	9071.4	7911.9	7685.2	6187.6
25°	9417.0	9346.4	9257.2	9093.7	9216.3	9435.6	9684.6	9495.0	8432.2	8179.5	6600.1
27.5°	10439.0	10442.7	10249.4	9892.7	9628.8	9673.4	9967.0	9866.7	8870.7	8759.2	6882.5
30°	11892.0	11802.8	11587.3	11104.2	10587.6	10164.0	10115.6	10212.3	9428.1	9212.6	7287.6
32.5°	12980.9	12999.5	12694.7	11999.8	11293.7	10948.1	10524.4	10565.3	9781.2	9621.4	7610.9
35°	13861.6	13839.3	13623.8	13047.8	12211.6	11795.4	11223.1	10989.0	10602.5	10349.8	8105.2
37.5°	14813.0	14630.9	14281.6	13631.2	13096.1	12520.1	11962.6	11434.9	11148.8	10844.0	8528.8
40°	15195.8	15195.8	14727.5	14430.2	13794.7	13359.9	12999.5	12022.1	11814.0	11754.5	9071.4
42.5°	14924.5	15091.7	14898.5	14560.3	14300.2	13750.1	13653.5	12631.6	12635.3	12516.3	9721.7
45°	14898.5	14668.1	14508.3	14593.7	14471.1	14441.4	14686.6	13475.1	13497.4	13482.6	10595.0
47.5°	14151.5	14047.4	14285.3	14426.5	14526.8	14987.7	15693.7	14482.2	14642.0	14530.6	11602.2
50°	13408.3	13389.7	13538.3	14051.2	14486.0	15244.1	16652.5	16035.6	16559.6	16552.2	13426.8
52.5°	11371.7	11568.7	12152.2	13237.3	14311.3	15593.4	17377.2	18020.1	19019.8	19291.1	14939.3
55°	9424.4	9320.4	10182.5	11758.2	13549.5	15730.9	18187.4	19213.0	20684.7	20881.6	16492.7
57.5°	7332.2	7525.4	8205.5	9718.0	11973.8	15050.8	18782.0	20391.1	22565.1	22717.5	18295.1
60°	5470.3	5496.3	6243.3	7462.2	9877.8	13516.0	18975.2	21598.9	24720.5	25155.3	20183.0
62.5°	3441.3	3597.3	4165.9	5366.3	7436.2	11368.0	18109.3	22331.0	26980.0	27095.2	22085.7
65°	1854.4	1954.8	2382.1	3136.5	5195.3	8599.4	15812.7	21892.5	28042.9	28726.7	22933.0
67°	1371.3	1389.9	1586.8	2003.1	3474.7	6473.7	13185.3	20305.6	28526.0	29024.0	22966.5
67.5°	1285.8	1311.8	1467.9	1798.7	3080.8	5960.9	12497.8	19740.8	28310.4	28845.6	22706.3
70°	1100.0	1107.4	1144.6	1237.5	1728.1	3586.2	8510.2	16176.9	26240.5	26753.3	20881.6
72.5°	977.4	984.8	999.7	1018.3	1170.6	2073.7	5176.7	12449.5	22806.7	23624.2	18016.4
75°	858.5	884.5	891.9	877.0	996.0	1349.0	2753.7	9149.4	18603.6	19001.2	14010.3
77.5°	728.4	739.5	754.4	769.3	888.2	1007.1	1323.0	6176.4	12769.1	12527.5	7577.4
80°	613.2	616.9	628.0	639.2	769.3	769.3	750.7	3337.2	5578.1	5332.8	2560.5
82.5°	438.5	464.5	490.5	520.3	639.2	516.6	490.5	1486.5	1765.2	1679.7	865.9
85°	170.9	208.1	323.3	356.8	405.1	278.7	327.0	642.9	735.8	728.4	323.3
87.5°	29.7	33.4	89.2	137.5	148.7	96.6	156.1	230.4	275.0	297.3	118.9
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°	3337.2	3337.2	3337.2	3337.2	3337.2	3337.2	3337.2	3337.2	3337.2	3337.2	3337.2
2.5°	3366.9	3251.7	3114.2	2976.7	2887.5	2746.3	2735.2	2649.7	2638.5	2608.8	2623.7
5°	3392.9	3255.4	2976.7	2757.5	2657.1	2575.4	2593.9	2556.8	2545.6	2527.1	2497.3
7.5°	3597.3	3326.0	2909.8	2720.3	2646.0	2608.8	2608.8	2564.2	2530.8	2553.1	2575.4
10°	3731.1	3359.5	2961.9	2772.3	2712.9	2631.1	2660.8	2605.1	2623.7	2579.1	2579.1
12.5°	3946.7	3549.0	3069.6	2850.4	2753.7	2679.4	2709.2	2646.0	2631.1	2634.8	2623.7
15°	4236.5	3675.4	3117.9	2895.0	2828.1	2735.2	2712.9	2657.1	2601.4	2582.8	2605.1
17.5°	4507.8	3831.5	3151.4	2921.0	2813.2	2709.2	2683.1	2612.5	2593.9	2538.2	2493.6
20°	4831.1	4017.3	3196.0	2943.3	2757.5	2653.4	2586.5	2515.9	2452.7	2419.3	2434.1
22.5°	5046.7	4113.9	3218.3	2898.7	2675.7	2579.1	2437.9	2389.6	2300.4	2263.2	2233.5
25°	5399.7	4232.8	3162.5	2776.0	2530.8	2374.7	2248.3	2181.4	2118.3	2070.0	2055.1
27.5°	5488.9	4322.0	3032.5	2567.9	2300.4	2136.8	2029.1	1947.3	1906.4	1832.1	1817.2
30°	5749.0	4232.8	2839.2	2315.2	2081.1	1913.9	1806.1	1746.6	1650.0	1631.4	1590.6
32.5°	5916.3	4258.8	2593.9	2070.0	1828.4	1679.7	1609.1	1549.7	1523.7	1434.5	1412.2
35°	6195.0	4169.6	2345.0	1843.3	1620.3	1505.1	1445.6	1427.0	1341.6	1300.7	1263.5
37.5°	6373.4	4117.6	2096.0	1586.8	1393.6	1345.3	1363.9	1285.8	1181.8	1103.7	1077.7
40°	6685.5	4099.0	1813.5	1375.0	1237.5	1226.4	1285.8	1137.2	947.6	880.8	843.6
42.5°	7135.2	3972.7	1594.3	1185.5	1114.9	1163.2	1174.3	947.6	839.9	784.1	758.1
45°	7566.3	3998.7	1378.7	981.1	969.9	1040.6	1014.5	802.7	739.5	698.7	721.0
47.5°	8395.0	4128.8	1166.9	817.6	873.3	940.2	787.8	717.2	657.8	628.0	631.8
50°	9677.1	4255.1	981.1	747.0	825.0	851.0	676.4	650.3	646.6	587.2	583.5
52.5°	10446.4	4206.8	947.6	836.2	884.5	851.0	735.8	717.2	687.5	661.5	631.8
55°	11669.0	4348.0	1018.3	977.4	1003.4	817.6	825.0	817.6	795.3	728.4	747.0
57.5°	12642.7	4440.9	1111.2	1092.6	1077.7	851.0	862.2	865.9	851.0	821.3	847.3
60°	13980.6	4626.7	1207.8	1211.5	1215.2	925.3	943.9	966.2	962.5	951.4	958.8
62.5°	14801.8	4541.3	1315.6	1375.0	1356.4	1077.7	1074.0	1088.9	1088.9	1107.4	1118.6
65°	14679.2	4225.4	1371.3	1519.9	1423.3	1189.2	1189.2	1196.6	1200.4	1237.5	1241.2
67°	13943.4	3660.5	1341.6	1542.2	1423.3	1233.8	1233.8	1241.2	1215.2	1311.8	1282.1
67.5°	13601.5	3493.3	1315.6	1523.7	1412.2	1230.1	1230.1	1233.8	1211.5	1304.4	1274.7
70°	11828.8	2593.9	1133.5	1349.0	1308.1	1196.6	1196.6	1174.3	1155.8	1278.4	1252.4
72.5°	10097.1	1884.1	910.5	1148.3	1181.8	1152.0	1159.5	1103.7	1051.7	1137.2	1114.9
75°	7733.5	1386.2	709.8	884.5	999.7	1077.7	1126.0	984.8	917.9	940.2	899.3
77.5°	4314.6	903.1	561.2	654.1	761.8	1003.4	1081.4	888.2	750.7	724.7	724.7
80°	1464.2	527.7	412.5	486.8	524.0	888.2	1010.8	721.0	590.9	564.9	546.3
82.5°	553.7	323.3	282.4	334.5	334.5	702.4	825.0	553.7	446.0	576.0	587.2
85°	252.7	193.2	185.8	193.2	193.2	431.1	583.5	360.5	401.4	345.6	304.7
87.5°	100.3	92.9	85.5	81.8	66.9	74.3	200.7	96.6	182.1	48.3	44.6
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)