

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: P476909

Luminaire Tested: **IFLD-S-SA3B-730-U-T2R**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P476909
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA3B-730-U-T2R
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T2R distribution lens
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

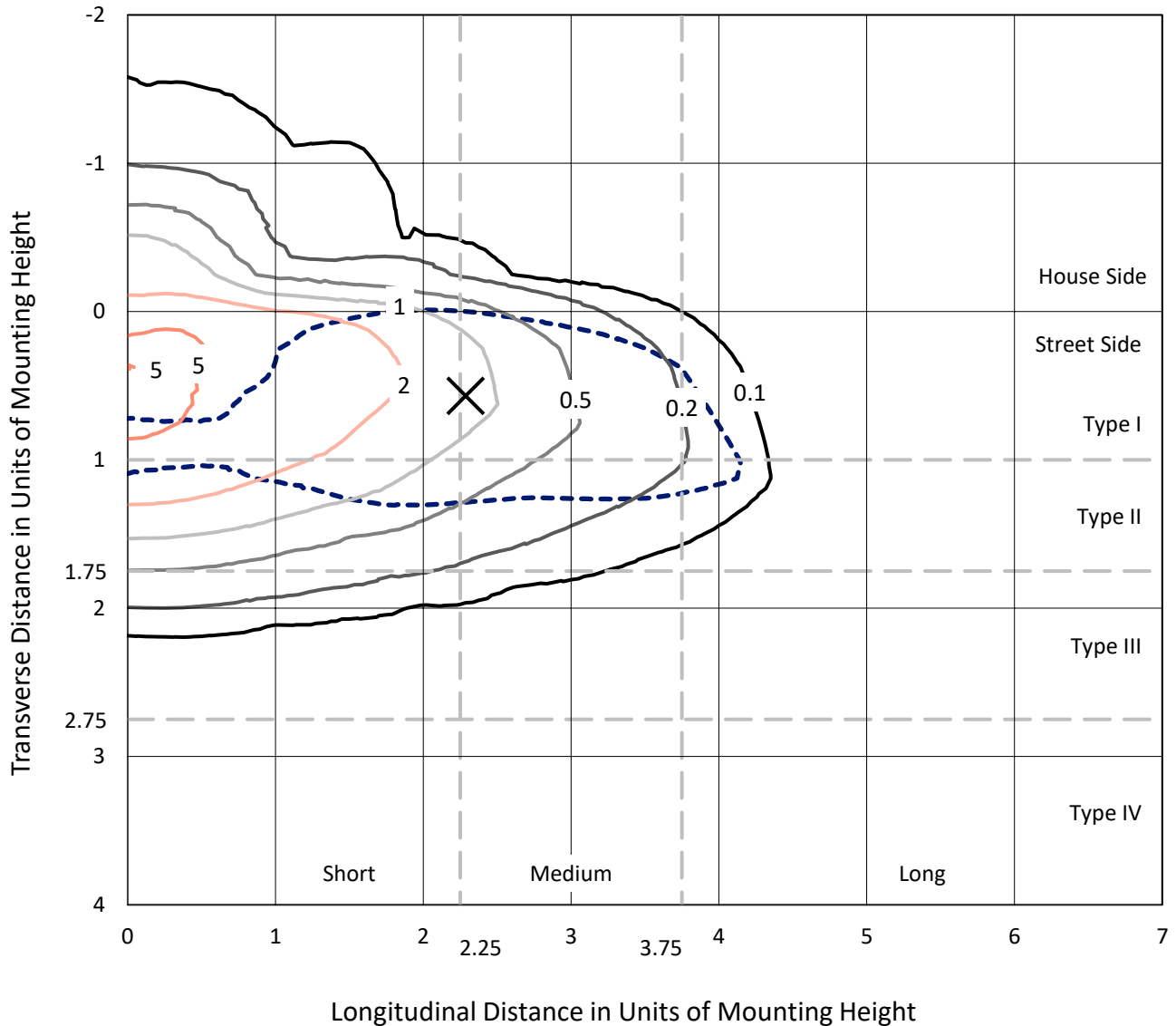
Lumens per Lamp: N/A
Luminaire Lumens: 15581.7 lumens
Efficiency: N/A
Efficacy: 127.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G2

Input Watts (W): 122.4
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: P476909
 CATALOG NUMBER: IFLD-S-SA3B-730-U-T2R

Iso-Footcandle Lines of Horizontal Illumination

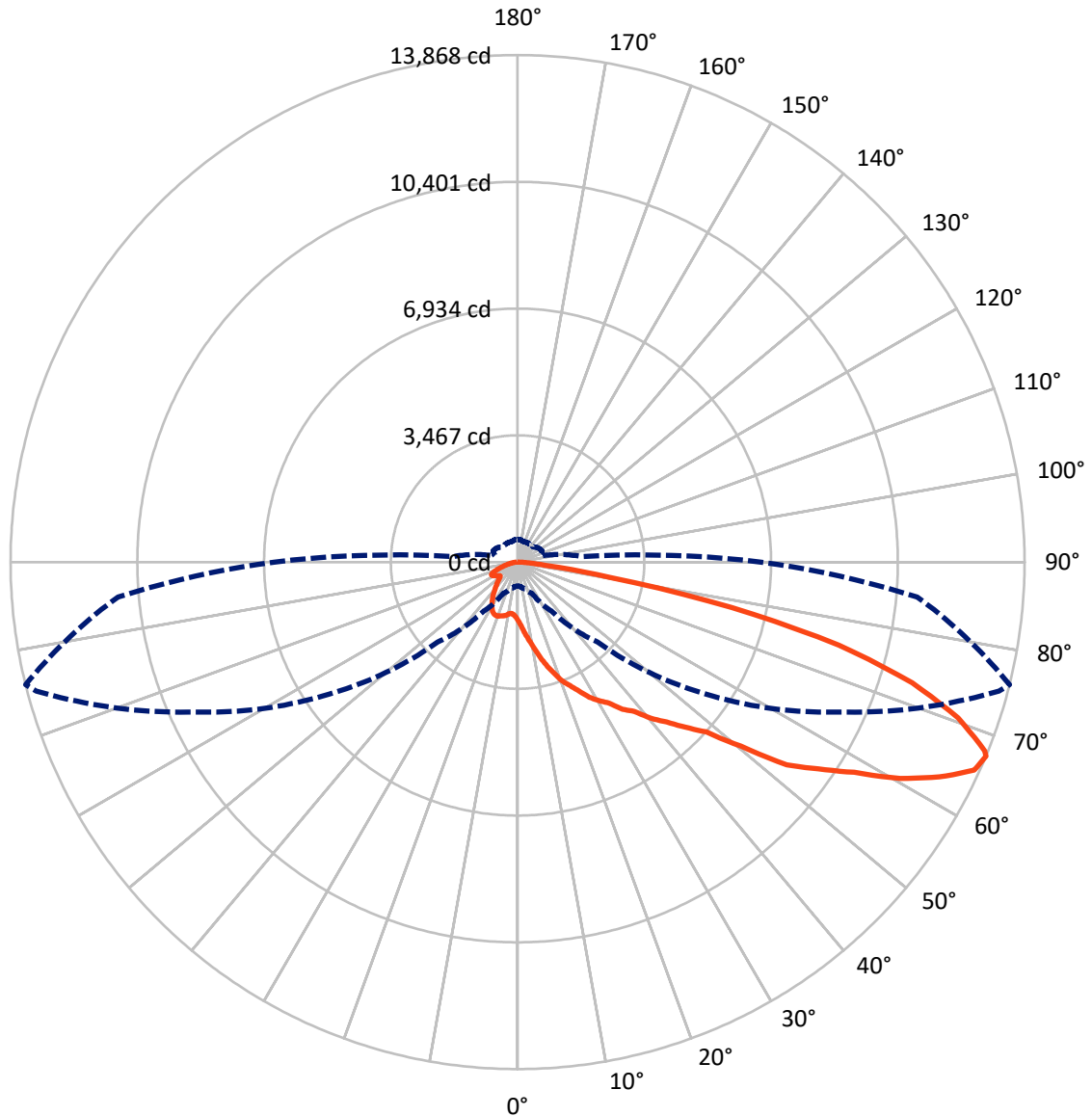
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6 fc
 Type II - Medium - N/A

REPORT NUMBER: P476909
CATALOG NUMBER: IFLD-S-SA3B-730-U-T2R

Luminous Intensity Polar Plot



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

REPORT NUMBER: P476909
 CATALOG NUMBER: IFLD-S-SA3B-730-U-T2R

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2216.7	0.0	2216.7
	% Fixture	14.2	0.0	14.2
Street Side	Lumens	13365.0	0.0	13365.0
	% Fixture	85.8	0.0	85.8
Total	Lumens	15581.7	0.0	15581.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	184.7	1.2
10°-20°	692.7	4.4
20°-30°	1287.9	8.3
30°-40°	2041.6	13.1
40°-50°	2823.7	18.1
50°-60°	3473.4	22.3
60°-70°	3232.1	20.7
70°-80°	1621.9	10.4
80°-90°	223.6	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°	15581.7	100.0
0°-180°	15581.7	100.0

Coefficient of Utilization



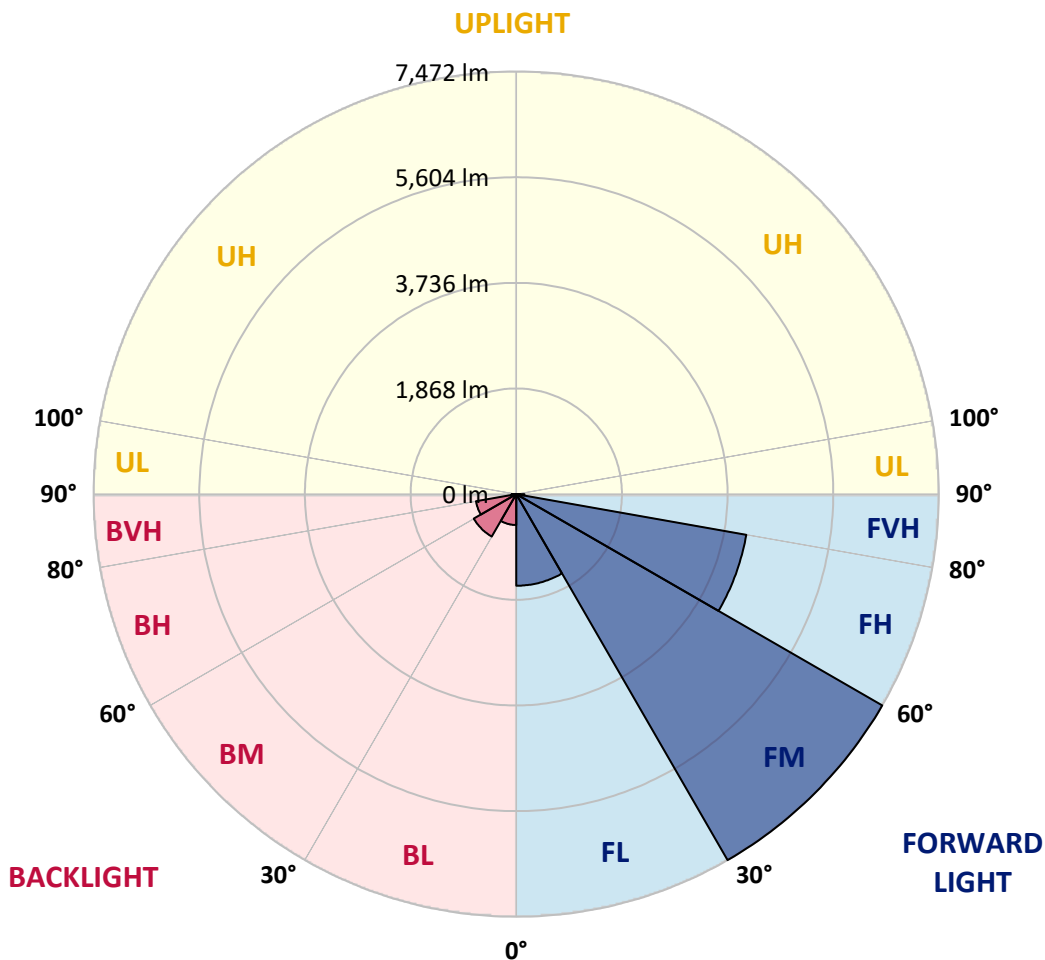
REPORT NUMBER: P476909
 CATALOG NUMBER: IFLD-S-SA3B-730-U-T2R

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1619.5	10.4			
FM (30°-60°)	7472.5	48.0			
FH (60°-80°)	4130.6	26.5			G2/5000
FVH (80°-90°)	142.5	0.9			G2/225
BL (0°-30°)	545.9	3.5	B2/1000		
BM (30°-60°)	866.2	5.6	B1/1000		
BH (60°-80°)	723.4	4.6	B2/1000		G2/1000
BVH (80°-90°)	81.2	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium





REPORT NUMBER: P476909
 CATALOG NUMBER: IFLD-S-SA3B-730-U-T2R

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6
2.5°	2212.5	2185.8	2159.2	2102.4	2082.9	2029.6	1931.9	1823.6	1734.8	1722.4	1660.3
5°	2745.2	2706.1	2697.2	2665.3	2564.1	2461.1	2301.3	2127.3	1910.6	1926.6	1713.5
7.5°	3144.7	3121.6	3073.7	3043.5	2983.1	2846.4	2681.3	2450.4	2175.2	2121.9	1832.5
10°	3446.6	3414.6	3412.8	3386.2	3354.2	3214.0	3087.9	2777.1	2423.8	2351.0	1978.1
12.5°	3599.3	3594.0	3688.1	3688.1	3675.6	3617.0	3400.4	3116.3	2660.0	2635.1	2146.8
15°	3764.4	3720.0	3801.7	3863.9	3895.8	3926.0	3746.7	3446.6	2961.8	2913.9	2327.9
17.5°	3764.4	3760.9	3842.6	3945.5	4112.5	4151.5	4053.9	3750.2	3212.2	3176.7	2526.8
20°	3700.5	3752.0	3808.8	3947.3	4128.4	4286.5	4314.9	4061.0	3489.2	3460.8	2752.3
22.5°	3998.8	3949.1	4007.7	4061.0	4201.2	4441.0	4519.1	4334.4	3780.4	3672.1	2956.5
25°	4499.5	4465.8	4423.2	4345.1	4403.7	4508.4	4627.4	4536.8	4029.0	3908.2	3153.6
27.5°	4987.9	4989.6	4897.3	4726.8	4600.8	4622.1	4762.3	4714.4	4238.5	4185.3	3288.5
30°	5682.1	5639.5	5536.5	5305.7	5058.9	4856.5	4833.4	4879.5	4504.9	4401.9	3482.1
32.5°	6202.4	6211.3	6065.7	5733.6	5396.3	5231.1	5028.7	5048.2	4673.6	4597.2	3636.6
35°	6623.2	6612.6	6509.6	6234.4	5834.9	5636.0	5362.5	5250.7	5066.0	4945.2	3872.7
37.5°	7077.8	6990.8	6823.9	6513.2	6257.5	5982.2	5715.9	5463.7	5327.0	5181.4	4075.2
40°	7260.7	7260.7	7037.0	6894.9	6591.3	6383.5	6211.3	5744.3	5644.9	5616.4	4334.4
42.5°	7131.1	7211.0	7118.7	6957.1	6832.8	6570.0	6523.8	6035.5	6037.3	5980.5	4645.2
45°	7118.7	7008.6	6932.2	6973.1	6914.5	6900.3	7017.4	6438.6	6449.2	6442.1	5062.4
47.5°	6761.8	6712.0	6825.7	6893.2	6941.1	7161.3	7498.7	6919.8	6996.1	6942.9	5543.6
50°	6406.6	6397.7	6468.8	6713.8	6921.6	7283.8	7956.8	7662.0	7912.4	7908.8	6415.5
52.5°	5433.6	5527.7	5806.4	6324.9	6838.1	7450.7	8303.0	8610.2	9087.9	9217.5	7138.2
55°	4503.1	4453.4	4865.3	5618.2	6474.1	7516.4	8690.1	9180.2	9883.4	9977.5	7880.4
57.5°	3503.4	3595.7	3920.7	4643.4	5721.2	7191.5	8974.2	9743.1	10781.9	10854.7	8741.6
60°	2613.8	2626.2	2983.1	3565.5	4719.7	6458.1	9066.6	10320.2	11811.8	12019.5	9643.7
62.5°	1644.3	1718.8	1990.5	2564.1	3553.1	5431.8	8652.8	10670.0	12891.4	12946.4	10552.8
65°	886.1	934.0	1138.2	1498.7	2482.4	4108.9	7555.5	10460.5	13399.2	13725.9	10957.7
67°	655.2	664.1	758.2	957.1	1660.3	3093.2	6300.1	9702.3	13630.0	13868.0	10973.6
67.5°	614.4	626.8	701.4	859.4	1472.0	2848.2	5971.6	9432.4	13527.1	13782.8	10849.3
70°	525.6	529.1	546.9	591.3	825.7	1713.5	4066.3	7729.5	12538.0	12783.0	9977.5
72.5°	467.0	470.6	477.7	486.5	559.3	990.8	2473.5	5948.5	10897.3	11287.9	8608.4
75°	410.2	422.6	426.2	419.1	475.9	644.6	1315.8	4371.7	8889.0	9079.0	6694.3
77.5°	348.0	353.4	360.5	367.6	424.4	481.2	632.1	2951.2	6101.2	5985.8	3620.6
80°	293.0	294.8	300.1	305.4	367.6	367.6	358.7	1594.6	2665.3	2548.1	1223.4
82.5°	209.5	222.0	234.4	248.6	305.4	246.8	234.4	710.3	843.4	802.6	413.7
85°	81.7	99.4	154.5	170.5	193.5	133.2	156.3	307.2	351.6	348.0	154.5
87.5°	14.2	16.0	42.6	65.7	71.0	46.2	74.6	110.1	131.4	142.1	56.8
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: P476909
 CATALOG NUMBER: IFLD-S-SA3B-730-U-T2R

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6	1594.6
2.5°	1608.8	1553.7	1488.0	1422.3	1379.7	1312.2	1306.9	1266.1	1260.7	1246.5	1253.6
5°	1621.2	1555.5	1422.3	1317.5	1269.6	1230.5	1239.4	1221.7	1216.3	1207.5	1193.3
7.5°	1718.8	1589.2	1390.3	1299.8	1264.3	1246.5	1246.5	1225.2	1209.2	1219.9	1230.5
10°	1782.8	1605.2	1415.2	1324.6	1296.2	1257.2	1271.4	1244.7	1253.6	1232.3	1232.3
12.5°	1885.8	1695.8	1466.7	1361.9	1315.8	1280.3	1294.5	1264.3	1257.2	1259.0	1253.6
15°	2024.3	1756.1	1489.8	1383.2	1351.3	1306.9	1296.2	1269.6	1243.0	1234.1	1244.7
17.5°	2153.9	1830.7	1505.8	1395.7	1344.2	1294.5	1282.0	1248.3	1239.4	1212.8	1191.5
20°	2308.4	1919.5	1527.1	1406.3	1317.5	1267.8	1235.9	1202.1	1171.9	1156.0	1163.1
22.5°	2411.4	1965.7	1537.7	1385.0	1278.5	1232.3	1164.8	1141.8	1099.1	1081.4	1067.2
25°	2580.0	2022.5	1511.1	1326.4	1209.2	1134.7	1074.3	1042.3	1012.1	989.0	981.9
27.5°	2622.7	2065.1	1448.9	1227.0	1099.1	1021.0	969.5	930.5	910.9	875.4	868.3
30°	2747.0	2022.5	1356.6	1106.2	994.4	914.5	863.0	834.6	788.4	779.5	760.0
32.5°	2826.9	2034.9	1239.4	989.0	873.6	802.6	768.9	740.5	728.0	685.4	674.8
35°	2960.0	1992.3	1120.4	880.7	774.2	719.1	690.7	681.9	641.0	621.5	603.7
37.5°	3045.3	1967.4	1001.5	758.2	665.9	642.8	651.7	614.4	564.7	527.4	514.9
40°	3194.4	1958.6	866.5	657.0	591.3	586.0	614.4	543.4	452.8	420.8	403.1
42.5°	3409.3	1898.2	761.8	566.4	532.7	555.8	561.1	452.8	401.3	374.7	362.2
45°	3615.3	1910.6	658.8	468.8	463.4	497.2	484.8	383.5	353.4	333.8	344.5
47.5°	4011.2	1972.8	557.6	390.6	417.3	449.2	376.4	342.7	314.3	300.1	301.9
50°	4623.8	2033.1	468.8	356.9	394.2	406.6	323.2	310.7	309.0	280.6	278.8
52.5°	4991.4	2010.1	452.8	399.5	422.6	406.6	351.6	342.7	328.5	316.1	301.9
55°	5575.6	2077.5	486.5	467.0	479.4	390.6	394.2	390.6	380.0	348.0	356.9
57.5°	6040.8	2121.9	530.9	522.0	514.9	406.6	412.0	413.7	406.6	392.4	404.9
60°	6680.1	2210.7	577.1	578.9	580.6	442.1	451.0	461.7	459.9	454.6	458.1
62.5°	7072.5	2169.9	628.6	657.0	648.1	514.9	513.2	520.3	520.3	529.1	534.5
65°	7013.9	2018.9	655.2	726.2	680.1	568.2	568.2	571.8	573.5	591.3	593.1
67°	6662.3	1749.0	641.0	736.9	680.1	589.5	589.5	593.1	580.6	626.8	612.6
67.5°	6499.0	1669.1	628.6	728.0	674.8	587.7	587.7	589.5	578.9	623.3	609.1
70°	5652.0	1239.4	541.6	644.6	625.0	571.8	571.8	561.1	552.2	610.8	598.4
72.5°	4824.5	900.3	435.0	548.7	564.7	550.5	554.0	527.4	502.5	543.4	532.7
75°	3695.2	662.3	339.2	422.6	477.7	514.9	538.0	470.6	438.6	449.2	429.7
77.5°	2061.6	431.5	268.1	312.5	364.0	479.4	516.7	424.4	358.7	346.3	346.3
80°	699.6	252.1	197.1	232.6	250.4	424.4	483.0	344.5	282.3	269.9	261.0
82.5°	264.6	154.5	135.0	159.8	159.8	335.6	394.2	264.6	213.1	275.2	280.6
85°	120.7	92.3	88.8	92.3	92.3	206.0	278.8	172.2	191.8	165.1	145.6
87.5°	47.9	44.4	40.8	39.1	32.0	35.5	95.9	46.2	87.0	23.1	21.3
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)