

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: P476924

Luminaire Tested: **IFLD-S-SA6B-730-U-T2R**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P476924  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6B-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**

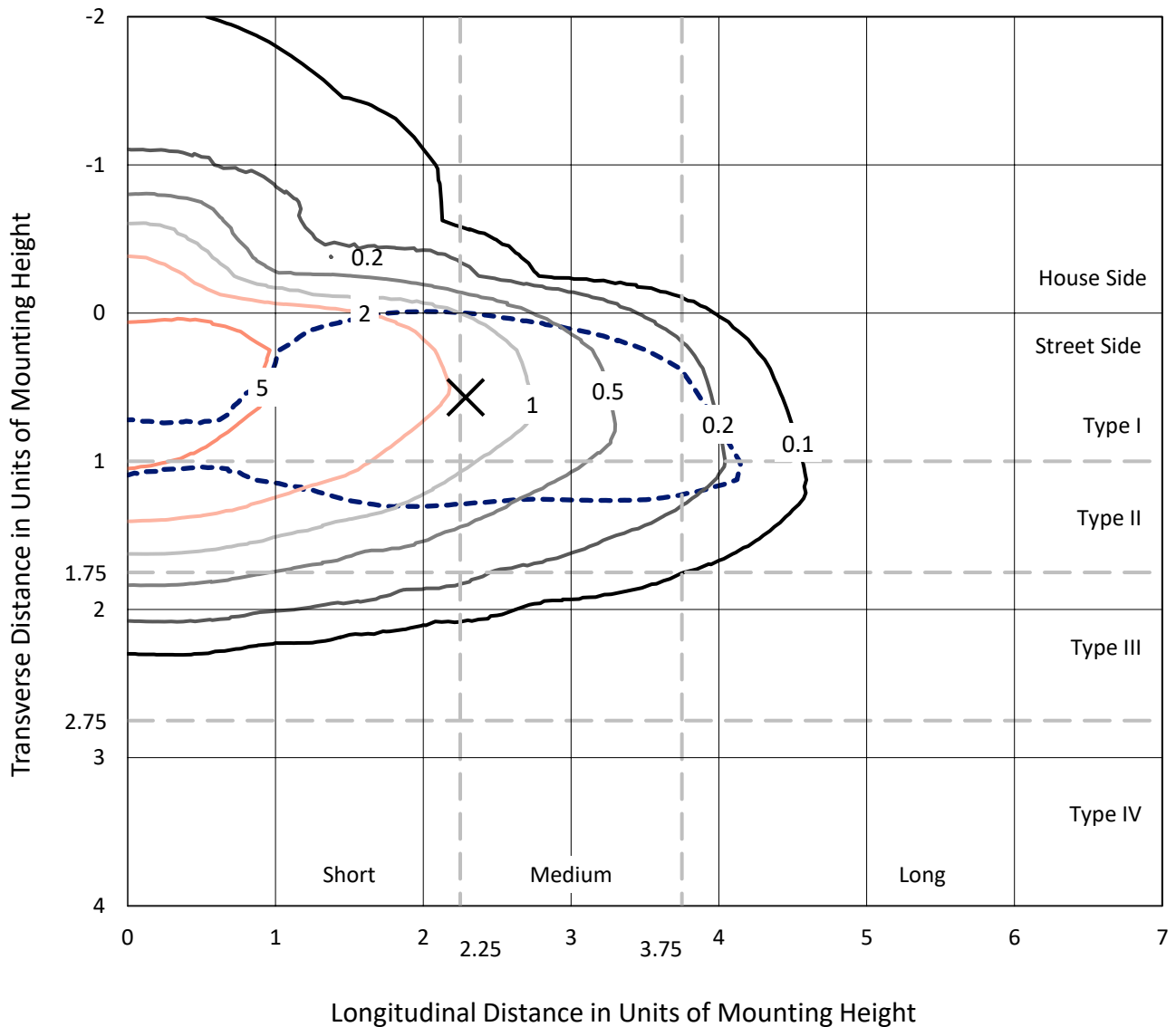
Lumens per Lamp: N/A  
Luminaire Lumens: 30566.4 lumens  
Efficiency: N/A  
Efficacy: 124.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G4

Input Watts (W): 244.9  
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

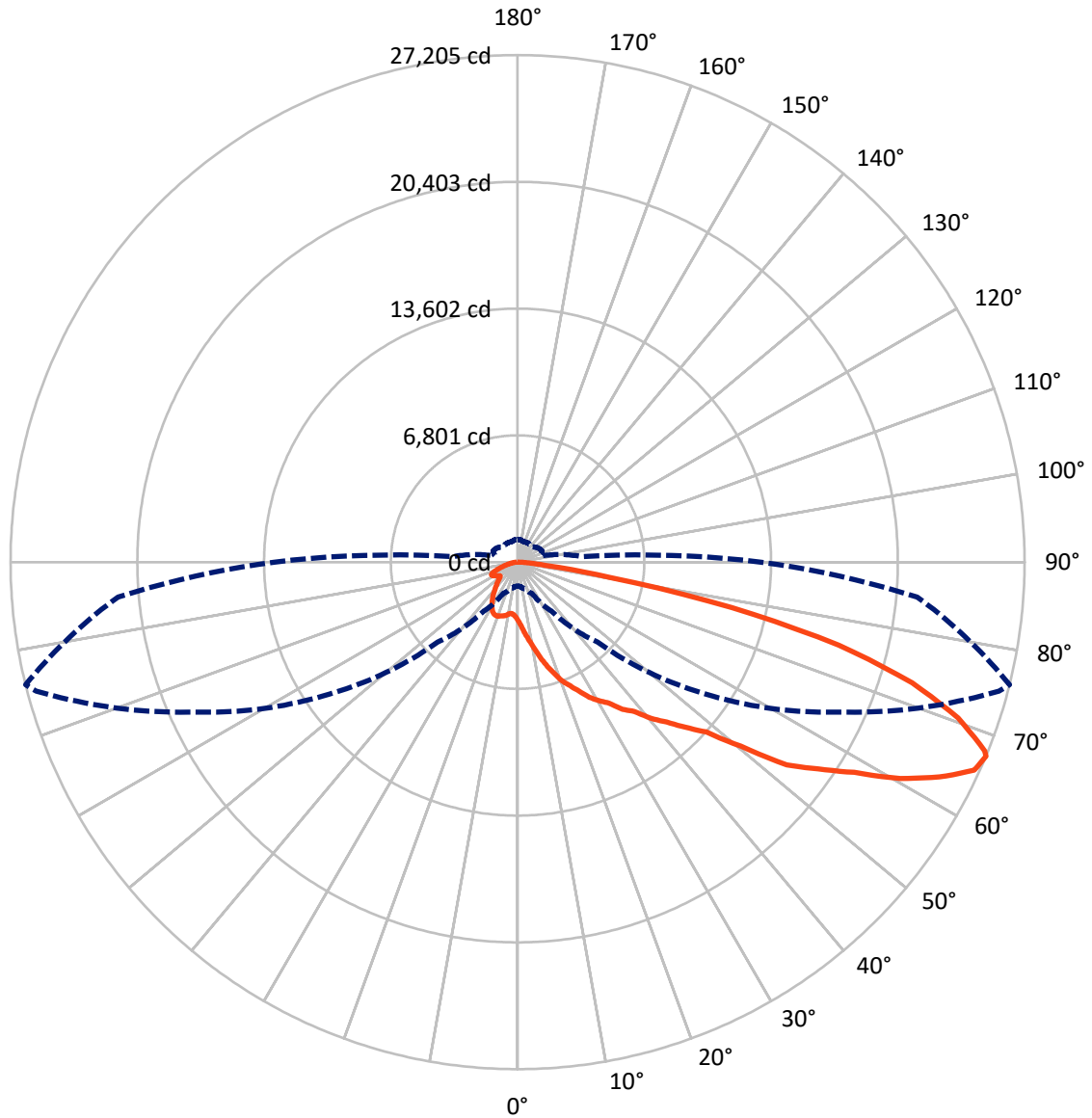
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.1 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
<b>House Side</b>	Lumens	4348.5	0.0	4348.5
	% Fixture	14.2	0.0	14.2
<b>Street Side</b>	Lumens	26217.9	0.0	26217.9
	% Fixture	85.8	0.0	85.8
<b>Total</b>	Lumens	30566.4	0.0	30566.4
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	362.3	1.2
10°-20°	1358.9	4.4
20°-30°	2526.5	8.3
30°-40°	4005.0	13.1
40°-50°	5539.3	18.1
50°-60°	6813.7	22.3
60°-70°	6340.4	20.7
70°-80°	3181.6	10.4
80°-90°	438.7	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°	30566.4	100.0
0°-180°	30566.4	100.0

**Coefficient of Utilization**



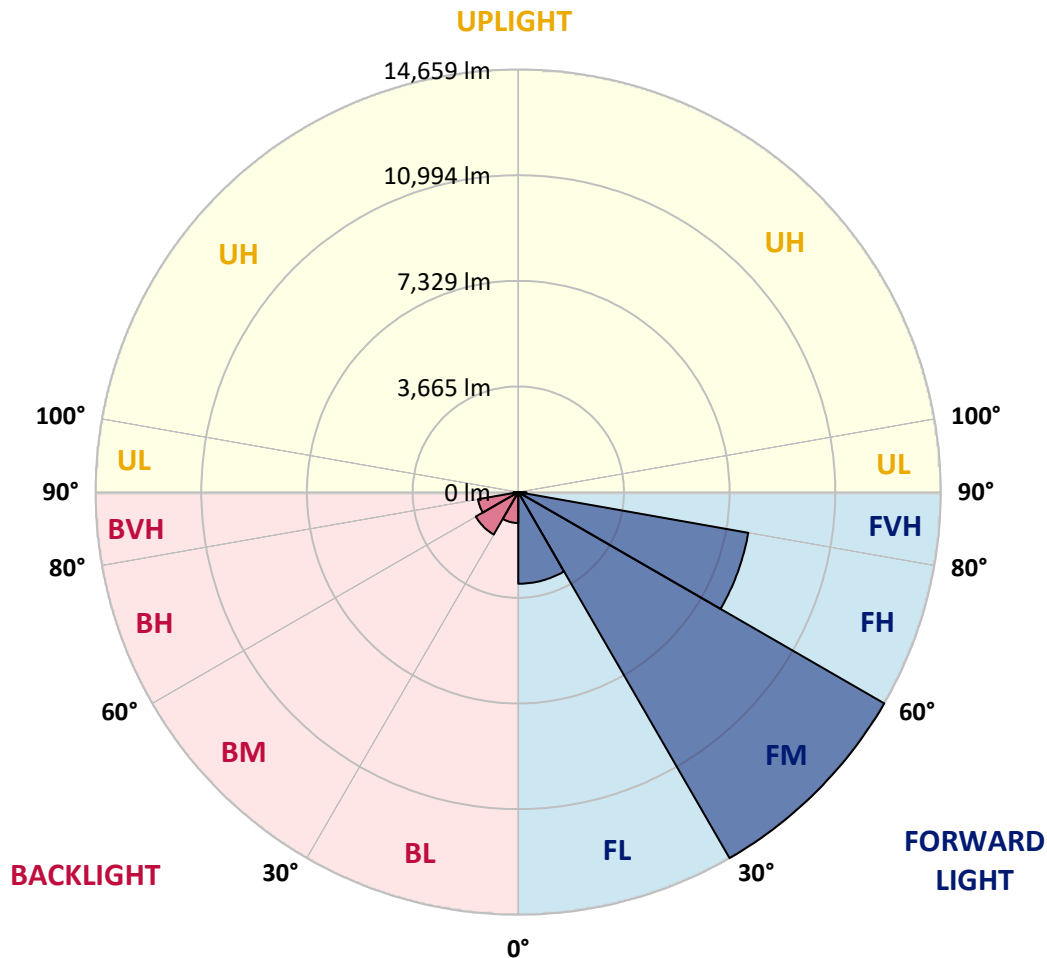
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3176.9	10.4			
FM (30°-60°)	14658.6	48.0			
FH (60°-80°)	8102.9	26.5			G4/12000
FVH (80°-90°)	279.5	0.9			G3/500
BL (0°-30°)	1070.8	3.5	B3/2500		
BM (30°-60°)	1699.3	5.6	B2/2500		
BH (60°-80°)	1419.1	4.6	B3/2500		G3/2500
BVH (80°-90°)	159.2	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°	3128.0	3128.0	3128.0	3128.0	3128.0	3128.0	3128.0	3128.0	3128.0	3128.0	3128.0
2.5°	4340.2	4287.9	4235.7	4124.2	4085.9	3981.4	3789.8	3577.3	3403.2	3378.8	3256.9
5°	5385.2	5308.5	5291.1	5228.4	5029.9	4827.8	4514.4	4173.0	3748.0	3779.4	3361.4
7.5°	6168.9	6123.6	6029.6	5970.4	5851.9	5583.7	5259.8	4806.9	4267.0	4162.5	3594.8
10°	6761.1	6698.4	6694.9	6642.6	6579.9	6304.8	6057.5	5447.9	4754.7	4611.9	3880.4
12.5°	7060.6	7050.2	7234.8	7234.8	7210.4	7095.5	6670.5	6113.2	5218.0	5169.2	4211.3
15°	7384.6	7297.5	7457.7	7579.7	7642.4	7701.6	7349.8	6761.1	5810.1	5716.1	4566.6
17.5°	7384.6	7377.6	7537.9	7739.9	8067.3	8143.9	7952.4	7356.7	6301.3	6231.6	4956.7
20°	7259.2	7360.2	7471.7	7743.4	8098.7	8408.7	8464.4	7966.3	6844.7	6788.9	5399.1
22.5°	7844.4	7746.9	7861.8	7966.3	8241.5	8711.7	8865.0	8502.7	7415.9	7203.5	5799.7
25°	8826.7	8760.5	8676.9	8523.6	8638.6	8844.1	9077.5	8899.8	7903.6	7666.7	6186.3
27.5°	9784.6	9788.1	9606.9	9272.5	9025.2	9067.0	9342.2	9248.2	8314.6	8210.1	6451.1
30°	11146.5	11062.9	10860.9	10408.1	9923.9	9526.8	9481.5	9572.1	8837.1	8635.1	6830.7
32.5°	12167.2	12184.6	11898.9	11247.6	10585.7	10261.8	9864.7	9903.0	9168.0	9018.3	7133.8
35°	12992.7	12971.8	12769.8	12229.9	11446.1	11056.0	10519.6	10300.1	9937.8	9701.0	7597.1
37.5°	13884.4	13713.7	13386.3	12776.7	12275.1	11735.2	11212.7	10718.1	10449.9	10164.3	7994.2
40°	14243.2	14243.2	13804.3	13525.6	12930.0	12522.4	12184.6	11268.5	11073.4	11017.7	8502.7
42.5°	13988.9	14145.7	13964.5	13647.6	13403.7	12888.2	12797.6	11839.7	11843.2	11731.7	9112.3
45°	13964.5	13748.6	13598.8	13678.9	13564.0	13536.1	13766.0	12630.4	12651.3	12637.4	9930.9
47.5°	13264.4	13166.9	13389.8	13522.2	13616.2	14048.1	14710.0	13574.4	13724.2	13619.7	10874.9
50°	12567.7	12550.3	12689.6	13170.3	13577.9	14288.5	15608.6	15030.4	15521.6	15514.6	12585.1
52.5°	10658.9	10843.5	11390.4	12407.5	13414.2	14615.9	16287.9	16890.5	17827.5	18081.8	14002.8
55°	8833.6	8736.1	9544.2	11021.1	12700.1	14744.8	17047.3	18008.6	19388.0	19572.6	15458.9
57.5°	6872.5	7053.7	7691.1	9108.8	11223.2	14107.3	17604.6	19112.8	21150.6	21293.4	17148.3
60°	5127.4	5151.8	5851.9	6994.5	9258.6	12668.7	17785.7	20244.9	23170.9	23578.4	18917.8
62.5°	3225.5	3371.8	3904.8	5029.9	6970.1	10655.4	16974.1	20931.1	25288.7	25396.7	20701.2
65°	1738.2	1832.2	2232.8	2939.9	4869.6	8060.3	14821.4	20520.1	26285.0	26925.9	21495.4
67°	1285.3	1302.8	1487.4	1877.5	3256.9	6067.9	12358.7	19032.7	26737.8	27204.5	21526.8
67.5°	1205.2	1229.6	1375.9	1685.9	2887.7	5587.2	11714.3	18503.3	26535.7	27037.3	21282.9
70°	1031.1	1038.0	1072.9	1159.9	1619.7	3361.4	7976.7	15162.8	24595.6	25076.2	19572.6
72.5°	916.1	923.1	937.0	954.4	1097.2	1943.7	4852.2	11669.0	21377.0	22143.3	16887.0
75°	804.6	829.0	836.0	822.1	933.5	1264.4	2581.1	8575.9	17437.4	17810.1	13132.0
77.5°	682.7	693.2	707.1	721.0	832.5	944.0	1240.1	5789.2	11968.6	11742.2	7102.4
80°	574.7	578.2	588.7	599.1	721.0	721.0	703.6	3128.0	5228.4	4998.5	2400.0
82.5°	411.0	435.4	459.8	487.7	599.1	484.2	459.8	1393.3	1654.6	1574.4	811.6
85°	160.2	195.1	303.0	334.4	379.7	261.2	306.5	602.6	689.7	682.7	303.0
87.5°	27.9	31.3	83.6	128.9	139.3	90.6	146.3	216.0	257.8	278.7	111.5
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°	3128.0	3128.0	3128.0	3128.0	3128.0	3128.0	3128.0	3128.0	3128.0	3128.0	3128.0
2.5°	3155.9	3047.9	2919.0	2790.1	2706.5	2574.2	2563.7	2483.6	2473.1	2445.3	2459.2
5°	3180.2	3051.4	2790.1	2584.6	2490.6	2413.9	2431.3	2396.5	2386.1	2368.6	2340.8
7.5°	3371.8	3117.5	2727.4	2549.8	2480.1	2445.3	2445.3	2403.5	2372.1	2393.0	2413.9
10°	3497.2	3148.9	2776.2	2598.5	2542.8	2466.2	2494.0	2441.8	2459.2	2417.4	2417.4
12.5°	3699.3	3326.5	2877.2	2671.7	2581.1	2511.5	2539.3	2480.1	2466.2	2469.7	2459.2
15°	3971.0	3445.0	2922.5	2713.5	2650.8	2563.7	2542.8	2490.6	2438.3	2420.9	2441.8
17.5°	4225.2	3591.3	2953.8	2737.9	2636.9	2539.3	2514.9	2448.8	2431.3	2379.1	2337.3
20°	4528.3	3765.4	2995.6	2758.8	2584.6	2487.1	2424.4	2358.2	2299.0	2267.6	2281.6
22.5°	4730.3	3856.0	3016.5	2717.0	2508.0	2417.4	2285.0	2239.8	2156.2	2121.3	2093.5
25°	5061.2	3967.5	2964.3	2602.0	2372.1	2225.8	2107.4	2044.7	1985.5	1940.2	1926.3
27.5°	5144.8	4051.1	2842.4	2407.0	2156.2	2002.9	1901.9	1825.2	1786.9	1717.3	1703.3
30°	5388.7	3967.5	2661.2	2170.1	1950.6	1793.9	1692.9	1637.1	1546.6	1529.2	1490.9
32.5°	5545.4	3991.9	2431.3	1940.2	1713.8	1574.4	1508.3	1452.5	1428.2	1344.6	1323.7
35°	5806.7	3908.3	2198.0	1727.7	1518.7	1410.7	1355.0	1337.6	1257.5	1219.2	1184.3
37.5°	5973.9	3859.5	1964.6	1487.4	1306.2	1261.0	1278.4	1205.2	1107.7	1034.5	1010.2
40°	6266.4	3842.1	1699.8	1288.8	1159.9	1149.5	1205.2	1065.9	888.2	825.5	790.7
42.5°	6687.9	3723.6	1494.3	1111.2	1045.0	1090.3	1100.7	888.2	787.2	735.0	710.6
45°	7092.0	3748.0	1292.3	919.6	909.1	975.3	950.9	752.4	693.2	654.9	675.8
47.5°	7868.8	3869.9	1093.8	766.3	818.6	881.3	738.5	672.3	616.5	588.7	592.2
50°	9070.5	3988.4	919.6	700.1	773.3	797.7	634.0	609.6	606.1	550.4	546.9
52.5°	9791.5	3943.1	888.2	783.7	829.0	797.7	689.7	672.3	644.4	620.0	592.2
55°	10937.5	4075.5	954.4	916.1	940.5	766.3	773.3	766.3	745.4	682.7	700.1
57.5°	11850.2	4162.5	1041.5	1024.1	1010.2	797.7	808.1	811.6	797.7	769.8	794.2
60°	13104.2	4336.7	1132.1	1135.6	1139.0	867.3	884.8	905.7	902.2	891.7	898.7
62.5°	13874.0	4256.6	1233.1	1288.8	1271.4	1010.2	1006.7	1020.6	1020.6	1038.0	1048.5
65°	13759.0	3960.5	1285.3	1424.7	1334.1	1114.7	1114.7	1121.6	1125.1	1159.9	1163.4
67°	13069.3	3431.0	1257.5	1445.6	1334.1	1156.5	1156.5	1163.4	1139.0	1229.6	1201.7
67.5°	12748.9	3274.3	1233.1	1428.2	1323.7	1153.0	1153.0	1156.5	1135.6	1222.6	1194.8
70°	11087.3	2431.3	1062.4	1264.4	1226.1	1121.6	1121.6	1100.7	1083.3	1198.3	1173.9
72.5°	9464.1	1766.0	853.4	1076.3	1107.7	1079.8	1086.8	1034.5	985.8	1065.9	1045.0
75°	7248.7	1299.3	665.3	829.0	937.0	1010.2	1055.4	923.1	860.4	881.3	843.0
77.5°	4044.1	846.4	526.0	613.1	714.1	940.5	1013.6	832.5	703.6	679.2	679.2
80°	1372.4	494.6	386.6	456.3	491.1	832.5	947.5	675.8	553.8	529.5	512.0
82.5°	519.0	303.0	264.7	313.5	313.5	658.3	773.3	519.0	418.0	539.9	550.4
85°	236.9	181.1	174.2	181.1	181.1	404.1	546.9	337.9	376.2	323.9	285.6
87.5°	94.0	87.1	80.1	76.6	62.7	69.7	188.1	90.6	170.7	45.3	41.8
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)