

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: P482696

Luminaire Tested: **IFLD-S-SA6B-722-U-T3R-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482696
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-722-U-T3R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R
distribution lens with House Side Shield
Light Source: (96) 2200K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

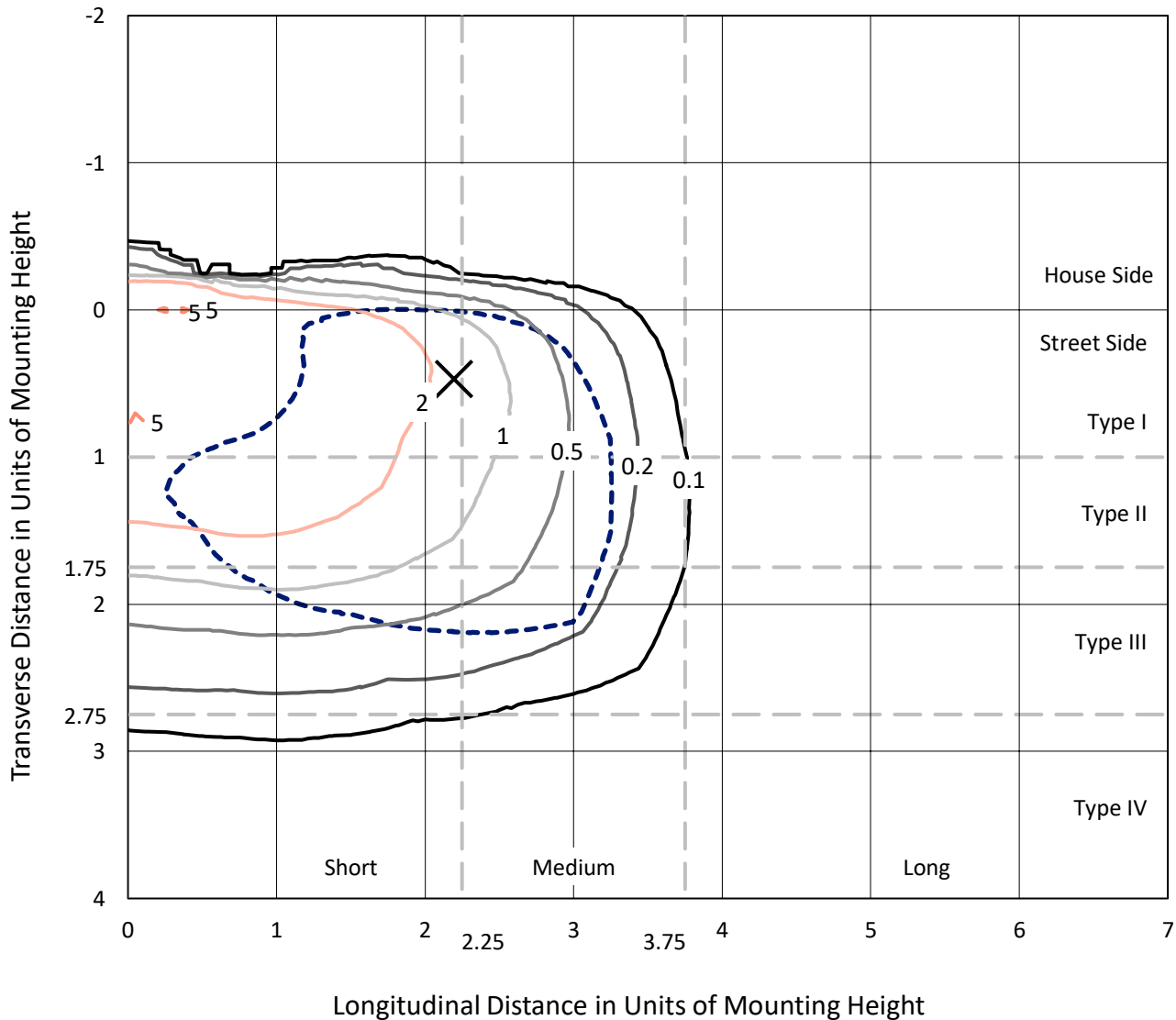
Lumens per Lamp: N/A
Luminaire Lumens: 17624.8 lumens
Efficiency: N/A
Efficacy: 72.0 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 244.9
Input Voltage (V): 120
Input Current (A_{in}): 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

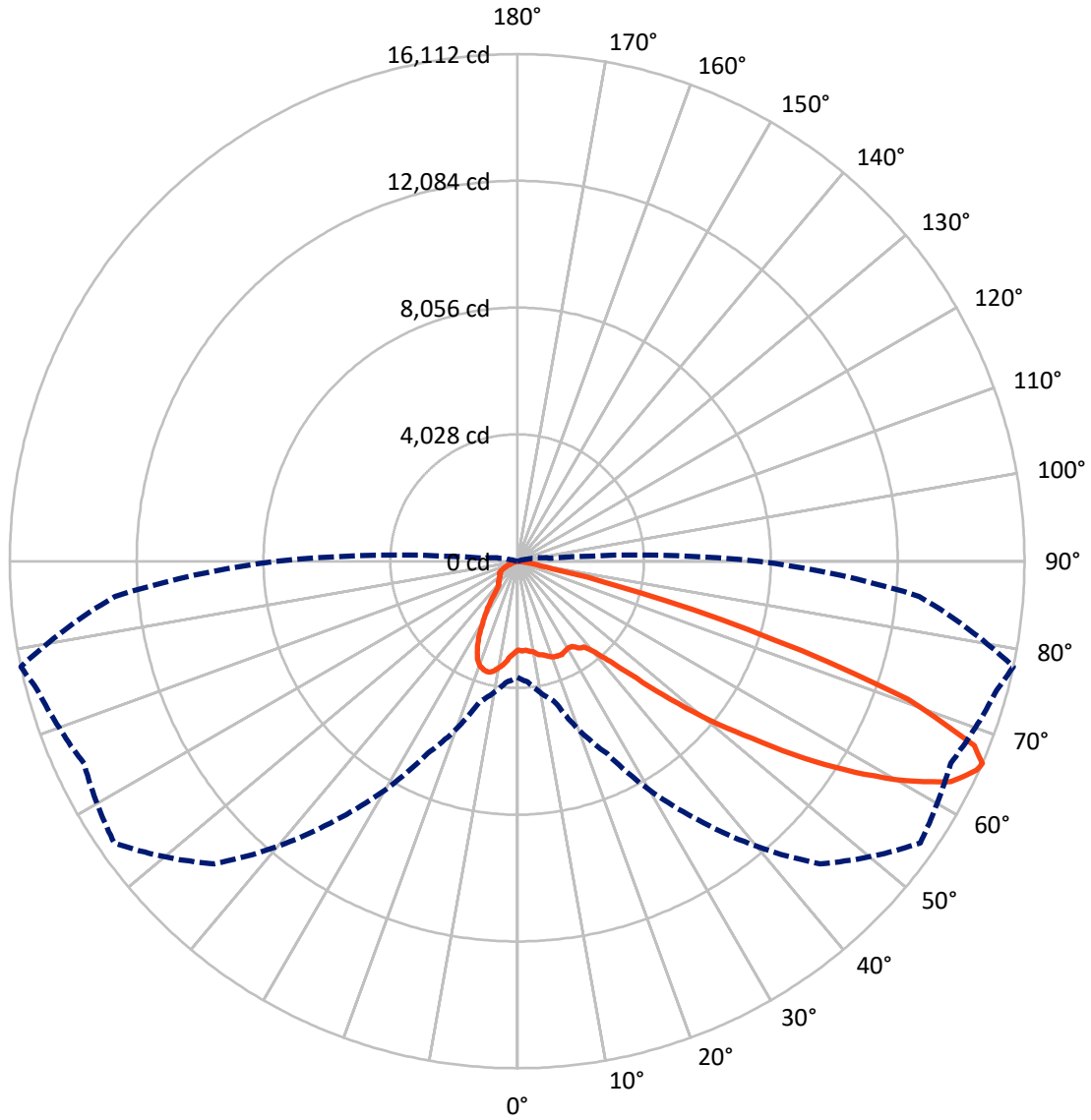
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 78-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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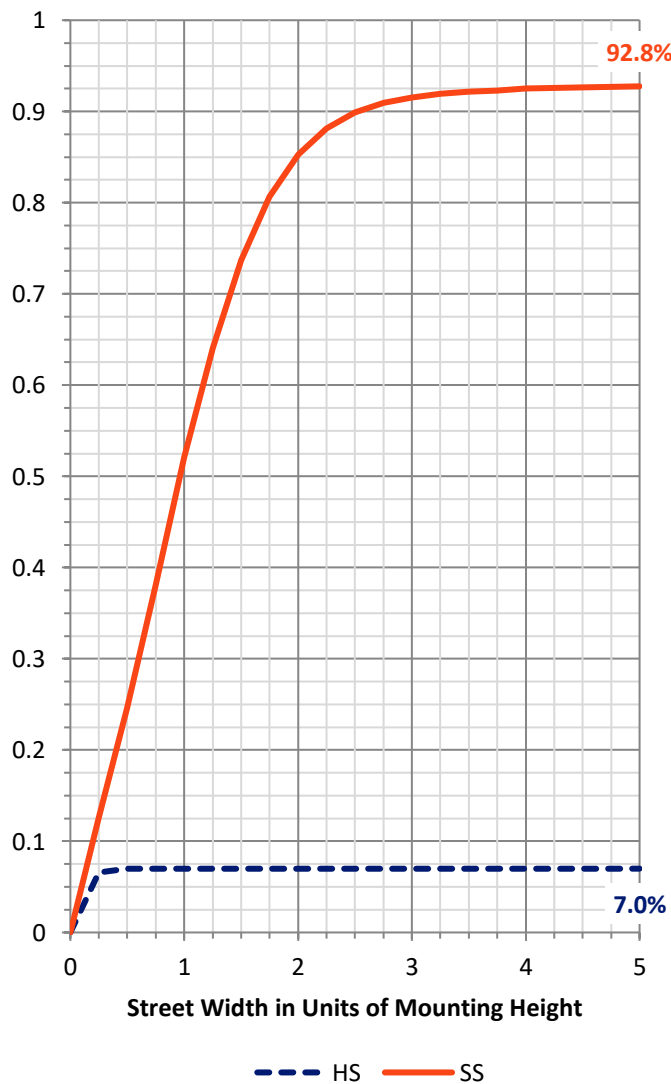
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1239.1	0.0	1239.1
	% Fixture	7.0	0.0	7.0
Street Side	Lumens	16385.7	0.0	16385.7
	% Fixture	93.0	0.0	93.0
Total	Lumens	17624.8	0.0	17624.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.3	1.5
10°-20°	583.0	3.3
20°-30°	833.3	4.7
30°-40°	1426.3	8.1
40°-50°	2574.3	14.6
50°-60°	4402.4	25.0
60°-70°	5418.6	30.7
70°-80°	2048.5	11.6
80°-90°	80.0	0.5
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°	17624.8	100.0
0°-180°	17624.8	100.0

Coefficient of Utilization

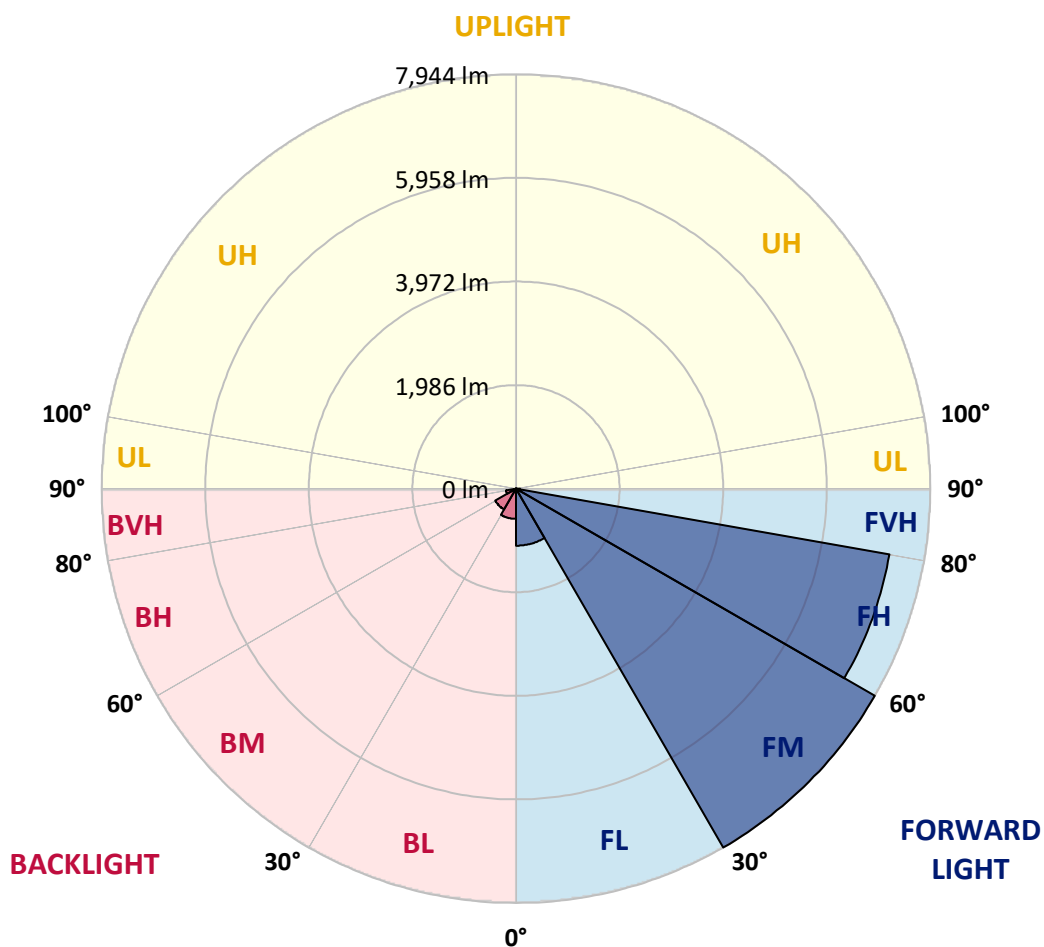


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1094.2	6.2			
FM (30°-60°)	7943.8	45.1			
FH (60°-80°)	7270.9	41.3			G3/7500
FVH (80°-90°)	76.8	0.4			G1/100
BL (0°-30°)	580.3	3.3	B2/1000		
BM (30°-60°)	459.3	2.6	B1/1000		
BH (60°-80°)	196.3	1.1	B1/500		G1/500
BVH (80°-90°)	3.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	2822.9	2822.9	2822.9	2822.9	2822.9	2822.9	2822.9	2822.9	2822.9	2822.9	2822.9
2.5°	2596.6	2572.6	2596.6	2631.2	2649.8	2665.8	2721.7	2769.7	2820.3	2854.9	2844.2
5°	2407.5	2452.7	2458.1	2468.7	2498.0	2593.9	2625.8	2708.4	2833.6	2844.2	2892.2
7.5°	2258.3	2245.0	2279.6	2348.9	2423.4	2479.4	2572.6	2716.4	2846.9	2892.2	2985.4
10°	2042.6	2069.3	2106.5	2175.8	2266.3	2404.8	2569.9	2729.7	2916.1	2932.1	3105.2
12.5°	1925.4	1898.8	1957.4	2029.3	2183.8	2311.6	2514.0	2705.7	2958.7	3046.6	3246.4
15°	1829.6	1842.9	1898.8	1946.7	2074.6	2237.0	2474.0	2764.3	3030.6	3091.9	3395.5
17.5°	1789.6	1781.6	1824.2	1872.2	2029.3	2213.1	2458.1	2767.0	3094.6	3174.4	3496.7
20°	1808.3	1824.2	1810.9	1856.2	1954.7	2141.2	2482.0	2817.6	3142.5	3251.7	3605.9
22.5°	2101.2	2079.9	1973.4	1888.2	1893.5	2111.9	2463.4	2849.5	3185.1	3273.0	3680.4
25°	2865.5	2751.0	2487.4	2159.8	1944.1	2032.0	2442.1	2838.9	3177.1	3286.3	3725.7
27.5°	3635.2	3536.6	3278.3	2769.7	2149.1	2000.0	2367.5	2846.9	3137.2	3238.4	3651.1
30°	4447.4	4500.7	4117.2	3512.7	2687.1	2175.8	2319.6	2804.3	3110.5	3195.8	3667.1
32.5°	5281.0	5259.7	5028.0	4372.9	3456.7	2564.6	2396.8	2846.9	3145.2	3227.7	3760.3
35°	5933.5	5858.9	5624.5	5033.3	4093.2	3150.5	2663.1	3049.3	3297.0	3395.5	3893.5
37.5°	6255.7	6287.6	6151.8	5637.8	4791.0	3693.8	2996.0	3049.3	3344.9	3459.4	4109.2
40°	6506.0	6601.9	6551.3	6386.2	5483.4	4306.3	3363.5	3238.4	3587.2	3802.9	4514.0
42.5°	6807.0	6761.7	7060.0	6908.2	6388.8	5078.6	4008.0	3688.4	4159.8	4367.5	5121.2
45°	6966.7	7139.8	7366.2	7560.6	7227.7	6042.6	4849.6	4484.7	5036.0	5299.6	6024.0
47.5°	7376.9	7446.1	7813.6	8058.6	7909.5	7145.2	6127.9	5648.5	6138.5	6554.0	7057.3
50°	7616.5	7523.3	8037.3	8410.2	8495.4	8058.6	7273.0	6900.2	7448.8	7978.7	8024.0
52.5°	7406.2	7672.5	8186.5	8854.9	9091.9	8873.5	8617.9	8455.4	8841.6	9331.6	9113.2
55°	6668.5	6849.6	8101.2	9342.3	10106.6	10005.4	10242.4	10135.9	10524.7	11044.0	10386.2
57.5°	6074.6	6301.0	7400.8	9595.3	11052.0	11350.3	11648.5	11581.9	12050.7	12649.9	11464.8
60°	5704.4	5834.9	6894.8	9531.3	11611.2	12740.4	13414.2	12945.5	13709.8	14167.8	12309.0
62.5°	5062.6	5145.2	6157.2	8684.5	11779.0	13723.1	14865.6	14229.1	14892.2	15451.5	12916.2
65°	4058.6	4282.3	5118.5	7416.8	10671.2	13904.2	15771.0	15022.7	15664.5	16032.0	13099.9
66°	3693.8	3856.2	4623.2	6745.7	10040.0	13603.3	15619.2	15187.8	15776.4	16111.9	12817.6
67.5°	3065.3	3206.4	3816.3	5789.6	8748.4	12940.1	15725.8	15076.0	15861.6	15656.5	12439.5
70°	2029.3	2119.9	2609.9	3914.8	6093.2	10585.9	14586.0	14202.5	13944.1	13174.5	9725.7
72.5°	948.1	1078.6	1629.8	2372.8	3573.9	7406.2	11893.5	11379.5	9779.0	8548.6	6135.8
75°	428.8	487.4	894.8	1360.9	1603.2	3837.6	7672.5	6929.5	4868.2	4042.6	2687.1
77.5°	231.7	263.6	436.8	647.1	583.2	1344.9	3797.6	3158.5	1534.0	1123.8	780.3
80°	178.4	210.4	364.8	370.2	215.7	348.9	1411.5	977.4	383.5	290.3	186.4
82.5°	93.2	133.2	287.6	239.7	109.2	141.1	436.8	271.6	119.8	95.9	79.9
85°	37.3	58.6	162.5	159.8	63.9	47.9	122.5	82.6	47.9	39.9	37.3
87.5°	2.7	2.7	87.9	61.3	39.9	13.3	18.6	18.6	24.0	21.3	26.6
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°	2822.9	2822.9	2822.9	2822.9	2822.9	2822.9	2822.9	2822.9	2822.9	2822.9	2822.9
2.5°	2892.2	2924.1	2929.4	3017.3	3036.0	3017.3	3065.3	3057.3	3078.6	3062.6	3033.3
5°	2958.7	3004.0	3091.9	3158.5	3158.5	3105.2	3062.6	3006.7	2924.1	2902.8	2886.8
7.5°	3073.3	3217.1	3297.0	3254.3	3169.1	2969.4	2692.4	2490.0	2319.6	2255.7	2226.4
10°	3275.6	3355.5	3448.8	3275.6	2921.5	2498.0	2032.0	1725.7	1486.0	1432.8	1392.8
12.5°	3406.1	3534.0	3587.2	3158.5	2463.4	1832.2	1326.2	980.0	812.3	684.4	663.1
15°	3576.6	3723.1	3613.9	2841.6	1941.4	1201.1	687.1	428.8	348.9	327.6	327.6
17.5°	3693.8	3853.5	3504.7	2447.4	1376.8	639.2	340.9	295.6	290.3	292.9	287.6
20°	3898.8	3994.7	3339.6	1989.4	822.9	327.6	274.3	263.6	258.3	266.3	261.0
22.5°	3976.1	4063.9	3070.6	1440.8	370.2	218.4	205.1	197.1	202.4	199.7	197.1
25°	3970.7	4016.0	2628.5	825.6	109.2	85.2	77.2	77.2	71.9	74.6	71.9
27.5°	4010.7	3898.8	2133.2	245.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	4032.0	3709.7	1518.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	4042.6	3611.2	977.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	4125.2	3414.1	418.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	4181.1	3161.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	4412.8	3081.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	4713.7	2932.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	5131.8	2711.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	5685.8	2580.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	6098.6	2375.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	6623.2	2253.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	7246.4	2258.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	7813.6	2221.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	8103.9	1898.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	8042.6	1536.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	7829.6	1206.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	7683.1	1067.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	7238.4	854.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	5760.3	585.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	3664.5	359.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1688.4	165.1	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	530.0	101.2	21.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	138.5	63.9	21.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	71.9	45.3	18.6	8.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	45.3	18.6	8.0	5.3	5.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	39.9	10.7	5.3	5.3	2.7	0.0	0.0	0.0	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)