

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: P482773

Luminaire Tested: **IFLD-S-SA6A-730-U-T3R-HSS**

Issue Date: 02/26/2021

Test Information

Test Method: LM-79-08
Report Number: P482773
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6A-730-U-T3R-HSS
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T3R
distribution lens with House Side Shield
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

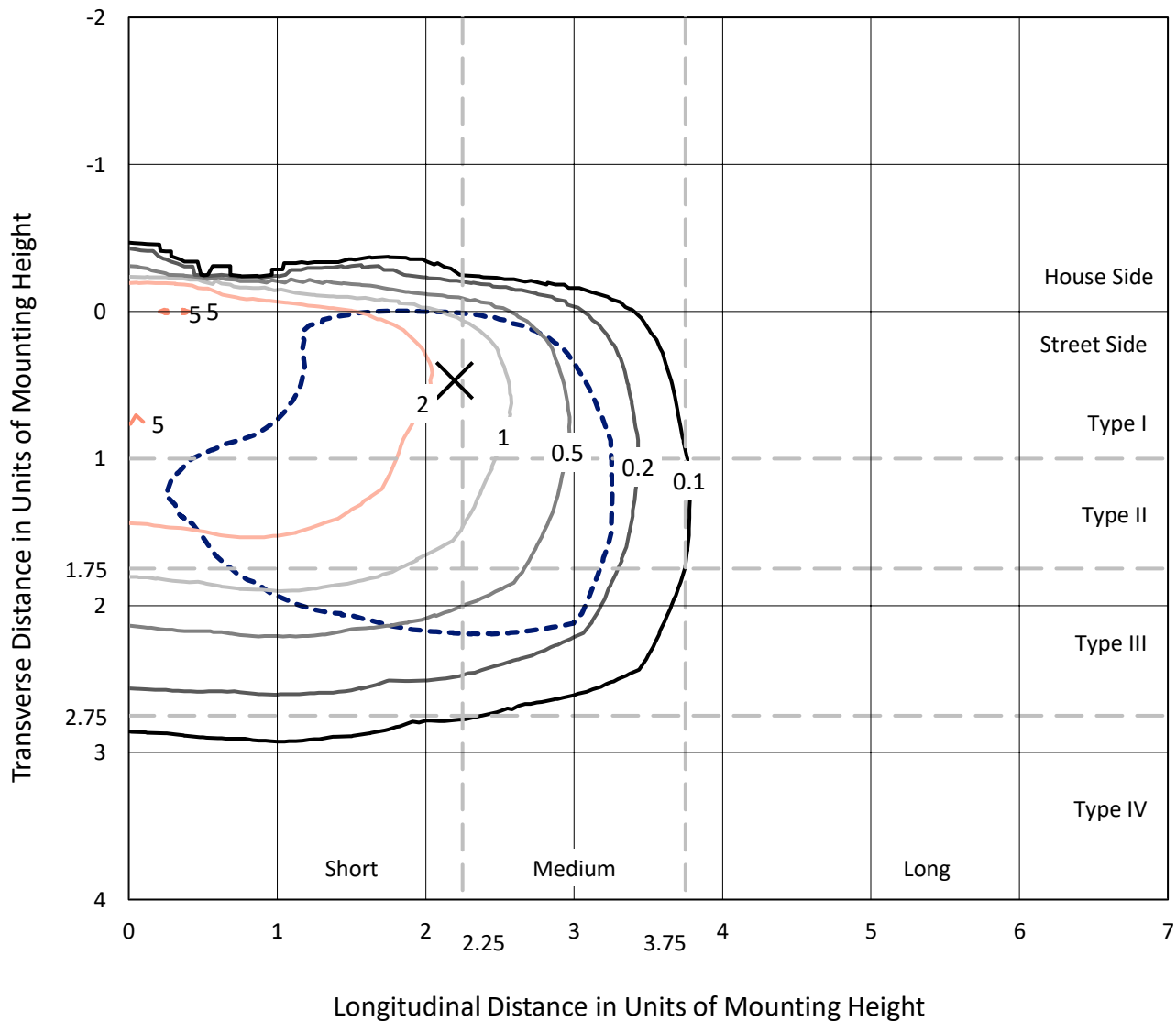
Lumens per Lamp: N/A
Luminaire Lumens: 17617.3 lumens
Efficiency: N/A
Efficacy: 92.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 189.6
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: P482773
 CATALOG NUMBER: IFLD-S-SA6A-730-U-T3R-HSS

Iso-Footcandle Lines of Horizontal Illumination

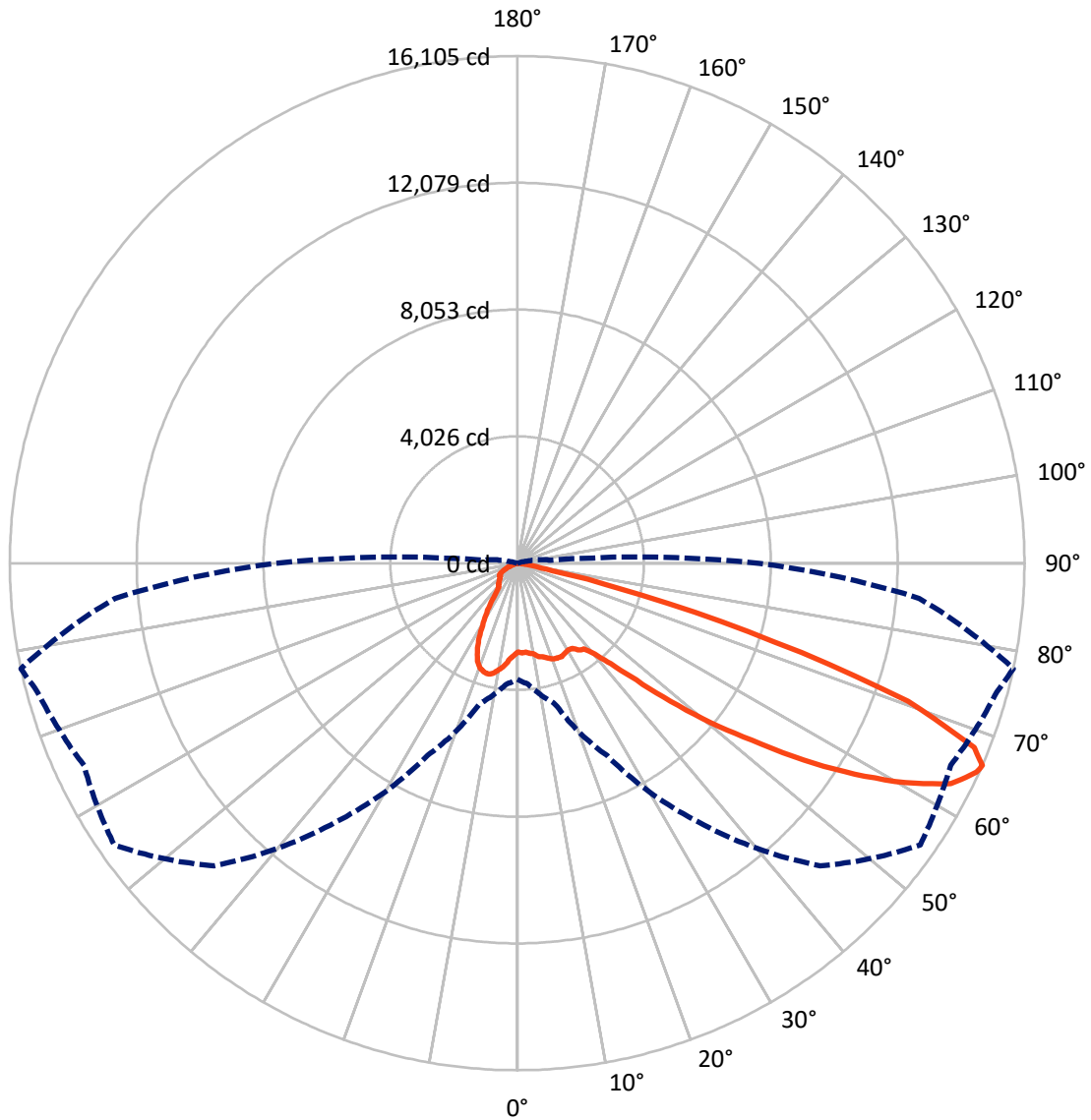
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P482773
CATALOG NUMBER: IFLD-S-SA6A-730-U-T3R-HSS

Luminous Intensity Polar Plot



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

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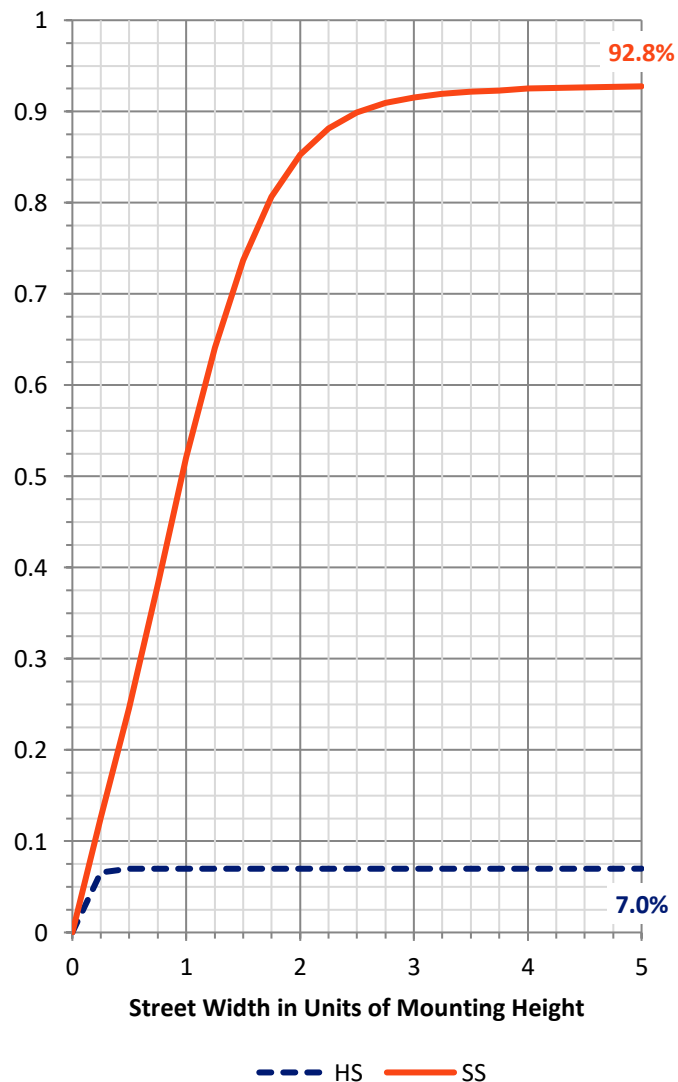
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1238.6	0.0	1238.6
	% Fixture	7.0	0.0	7.0
Street Side	Lumens	16378.7	0.0	16378.7
	% Fixture	93.0	0.0	93.0
Total	Lumens	17617.3	0.0	17617.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.1	1.5
10°-20°	582.7	3.3
20°-30°	832.9	4.7
30°-40°	1425.7	8.1
40°-50°	2573.2	14.6
50°-60°	4400.6	25.0
60°-70°	5416.3	30.7
70°-80°	2047.7	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°	17617.3	100.0
0°-180°	17617.3	100.0

Coefficient of Utilization

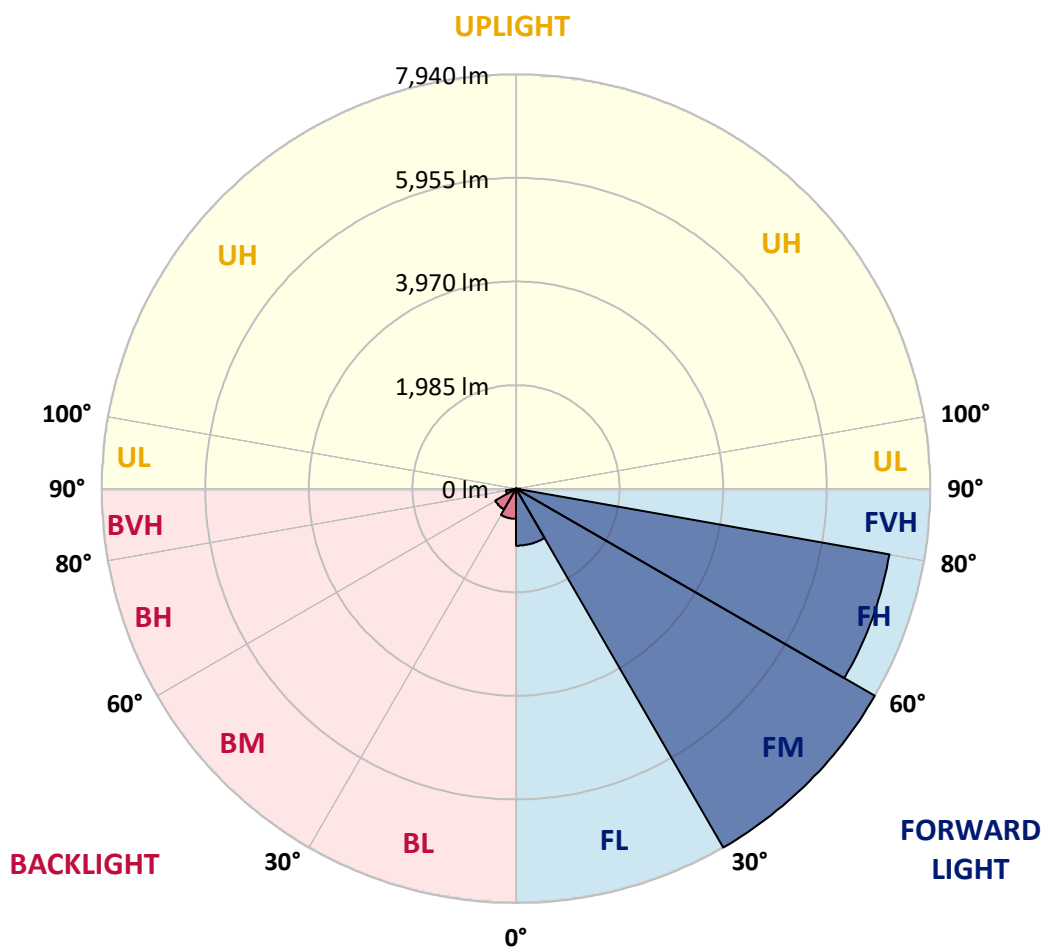


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 CATALOG NUMBER: IFLD-S-SA6A-730-U-T3R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1093.7	6.2			
FM (30°-60°)	7940.5	45.1			
FH (60°-80°)	7267.8	41.3			G3/7500
FVH (80°-90°)	76.8	0.4			G1/100
BL (0°-30°)	580.1	3.3	B2/1000		
BM (30°-60°)	459.1	2.6	B1/1000		
BH (60°-80°)	196.2	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





REPORT NUMBER: P482773

CATALOG NUMBER: IFLD-S-SA6A-730-U-T3R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	78°	85°
0°	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7
2.5°	2595.4	2571.5	2595.4	2630.1	2648.7	2664.7	2720.6	2768.5	2819.1	2853.7	2843.0
5°	2406.4	2451.7	2457.0	2467.7	2497.0	2592.8	2624.7	2707.3	2832.4	2843.0	2890.9
7.5°	2257.4	2244.1	2278.7	2347.9	2422.4	2478.3	2571.5	2715.2	2845.7	2890.9	2984.1
10°	2041.8	2068.4	2105.6	2174.9	2265.4	2403.8	2568.8	2728.5	2914.9	2930.9	3103.9
12.5°	1924.6	1898.0	1956.6	2028.4	2182.8	2310.6	2512.9	2704.6	2957.5	3045.3	3245.0
15°	1828.8	1842.1	1898.0	1945.9	2073.7	2236.1	2473.0	2763.2	3029.4	3090.6	3394.0
17.5°	1788.9	1780.9	1823.5	1871.4	2028.4	2212.1	2457.0	2765.8	3093.2	3173.1	3495.2
20°	1807.5	1823.5	1810.2	1855.4	1953.9	2140.2	2481.0	2816.4	3141.2	3250.3	3604.3
22.5°	2100.3	2079.0	1972.5	1887.4	1892.7	2111.0	2462.3	2848.3	3183.8	3271.6	3678.9
25°	2864.3	2749.8	2486.3	2158.9	1943.3	2031.1	2441.1	2837.7	3175.8	3284.9	3724.1
27.5°	3633.6	3535.1	3276.9	2768.5	2148.2	1999.2	2366.5	2845.7	3135.8	3237.0	3649.6
30°	4445.5	4498.8	4115.5	3511.2	2686.0	2174.9	2318.6	2803.1	3109.2	3194.4	3665.6
32.5°	5278.7	5257.4	5025.9	4371.0	3455.3	2563.5	2395.8	2845.7	3143.8	3226.3	3758.7
35°	5930.9	5856.4	5622.1	5031.2	4091.5	3149.1	2662.0	3048.0	3295.6	3394.0	3891.8
37.5°	6253.0	6285.0	6149.2	5635.5	4788.9	3692.2	2994.7	3048.0	3343.5	3457.9	4107.5
40°	6503.3	6599.1	6548.5	6383.5	5481.1	4304.5	3362.1	3237.0	3585.7	3801.3	4512.1
42.5°	6804.1	6758.8	7057.0	6905.2	6386.1	5076.4	4006.3	3686.9	4158.0	4365.7	5119.0
45°	6963.8	7136.8	7363.1	7557.4	7224.7	6040.1	4847.5	4482.8	5033.8	5297.4	6021.4
47.5°	7373.7	7442.9	7810.3	8055.2	7906.1	7142.1	6125.3	5646.1	6135.9	6551.2	7054.3
50°	7613.3	7520.1	8033.9	8406.6	8491.8	8055.2	7269.9	6897.2	7445.6	7975.3	8020.6
52.5°	7403.0	7669.2	8183.0	8851.1	9088.1	8869.8	8614.2	8451.8	8837.8	9327.6	9109.4
55°	6665.6	6846.7	8097.8	9338.3	10102.3	10001.1	10238.0	10131.6	10520.2	11039.3	10381.8
57.5°	6072.0	6298.3	7397.7	9591.2	11047.3	11345.4	11643.6	11577.0	12045.5	12644.5	11459.9
60°	5702.0	5832.4	6891.9	9527.3	11606.3	12735.0	13408.5	12940.0	13704.0	14161.8	12303.8
62.5°	5060.5	5143.0	6154.5	8680.8	11774.0	13717.3	14859.3	14223.1	14885.9	15444.9	12910.7
65°	4056.9	4280.5	5116.4	7413.7	10666.6	13898.3	15764.4	15016.3	15657.9	16025.2	13094.4
66°	3692.2	3854.6	4621.2	6742.8	10035.7	13597.5	15612.6	15181.4	15769.7	16105.1	12812.2
67.5°	3064.0	3205.0	3814.6	5787.2	8744.7	12934.7	15719.1	15069.6	15854.9	15649.9	12434.2
70°	2028.4	2119.0	2608.8	3913.1	6090.7	10581.4	14579.8	14196.4	13938.2	13168.9	9721.6
72.5°	947.7	1078.1	1629.1	2371.8	3572.4	7403.0	11888.5	11374.7	9774.9	8545.0	6133.2
75°	428.6	487.1	894.4	1360.3	1602.5	3835.9	7669.2	6926.5	4866.1	4040.9	2686.0
77.5°	231.6	263.5	436.6	646.9	583.0	1344.3	3796.0	3157.1	1533.3	1123.4	780.0
80°	178.4	210.3	364.7	370.0	215.6	348.7	1410.9	977.0	383.3	290.2	186.3
82.5°	93.2	133.1	287.5	239.6	109.1	141.1	436.6	271.5	119.8	95.8	79.9
85°	37.3	58.6	162.4	159.7	63.9	47.9	122.5	82.5	47.9	39.9	37.3
87.5°	2.7	2.7	87.8	61.2	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



REPORT NUMBER: P482773
 CATALOG NUMBER: IFLD-S-SA6A-730-U-T3R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7	2821.7
2.5°	2890.9	2922.9	2928.2	3016.0	3034.7	3016.0	3064.0	3056.0	3077.3	3061.3	3032.0
5°	2957.5	3002.7	3090.6	3157.1	3157.1	3103.9	3061.3	3005.4	2922.9	2901.6	2885.6
7.5°	3071.9	3215.7	3295.6	3253.0	3167.8	2968.1	2691.3	2489.0	2318.6	2254.7	2225.4
10°	3274.3	3354.1	3447.3	3274.3	2920.2	2497.0	2031.1	1725.0	1485.4	1432.2	1392.2
12.5°	3404.7	3532.5	3585.7	3157.1	2462.3	1831.5	1325.7	979.6	811.9	684.1	662.8
15°	3575.1	3721.5	3612.3	2840.4	1940.6	1200.6	686.8	428.6	348.7	327.4	327.4
17.5°	3692.2	3851.9	3503.2	2446.4	1376.3	638.9	340.7	295.5	290.2	292.8	287.5
20°	3897.2	3993.0	3338.1	1988.5	822.6	327.4	274.2	263.5	258.2	266.2	260.9
22.5°	3974.4	4062.2	3069.3	1440.1	370.0	218.3	205.0	197.0	202.3	199.6	197.0
25°	3969.0	4014.3	2627.4	825.2	109.1	85.2	77.2	77.2	71.9	74.5	71.9
27.5°	4009.0	3897.2	2132.3	244.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
30°	4030.3	3708.2	1517.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
32.5°	4040.9	3609.7	977.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
35°	4123.4	3412.7	417.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
37.5°	4179.3	3159.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
40°	4410.9	3079.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
42.5°	4711.7	2930.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
45°	5129.7	2709.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
47.5°	5683.4	2579.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
50°	6096.0	2374.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
52.5°	6620.4	2252.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
55°	7243.3	2257.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
57.5°	7810.3	2220.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
60°	8100.5	1898.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
62.5°	8039.2	1536.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
65°	7826.3	1205.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
66°	7679.9	1067.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
67.5°	7235.3	854.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	5757.9	585.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	3662.9	359.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	1687.7	165.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	529.7	101.2	21.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	138.4	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	10.6	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)