

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: P483641

Luminaire Tested: **IFLD-L-SA7A-740-U-T4W-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P483641  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7A-740-U-T4W-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ T4W distribution lens with House Side Shield  
Light Source: (112) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

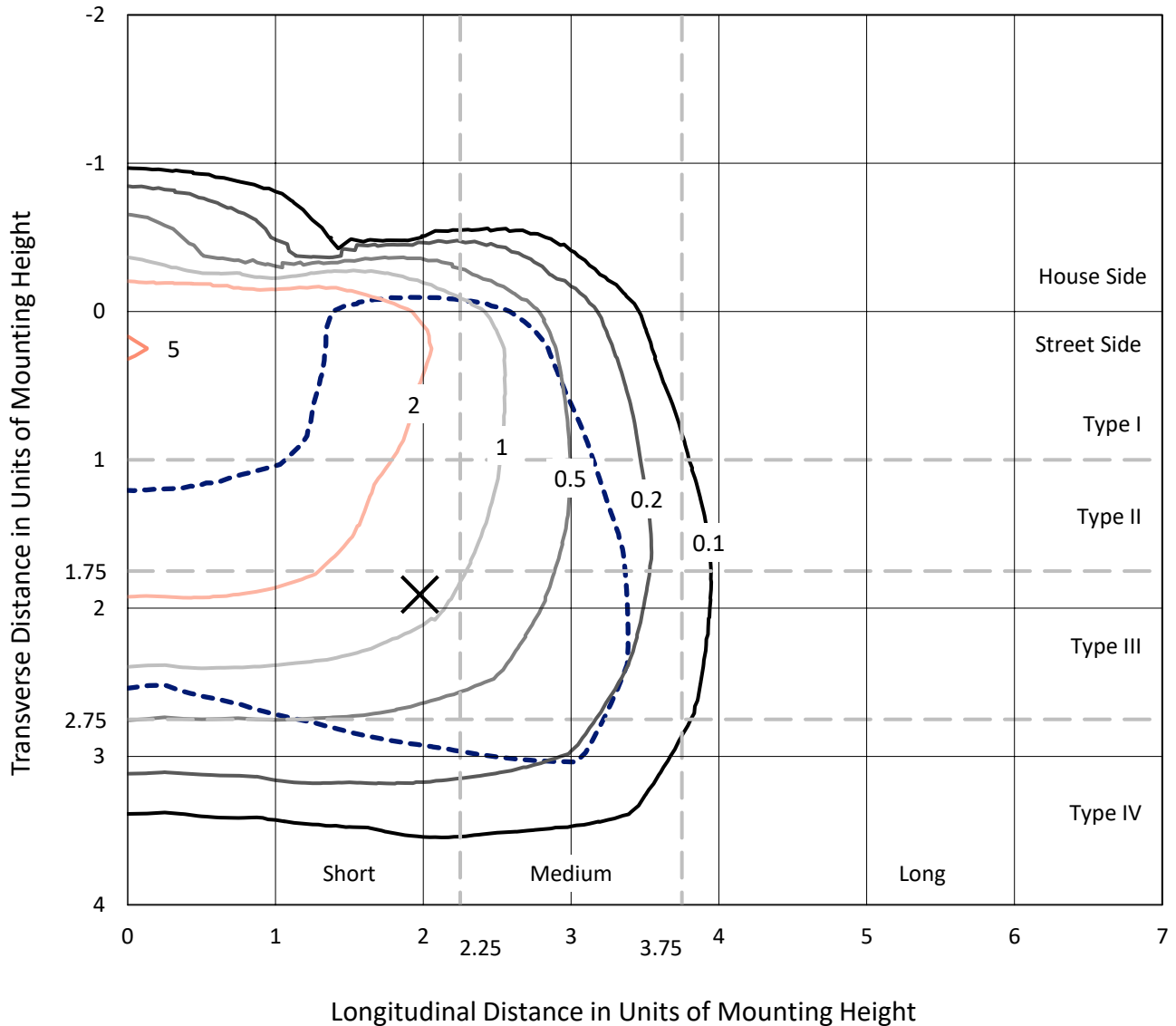
Lumens per Lamp: N/A  
Luminaire Lumens: 23094.6 lumens  
Efficiency: N/A  
Efficacy: 106.1 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

Input Watts (W): 217.6  
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: P483641  
 CATALOG NUMBER: IFLD-L-SA7A-740-U-T4W-HSS

### Iso-Footcandle Lines of Horizontal Illumination

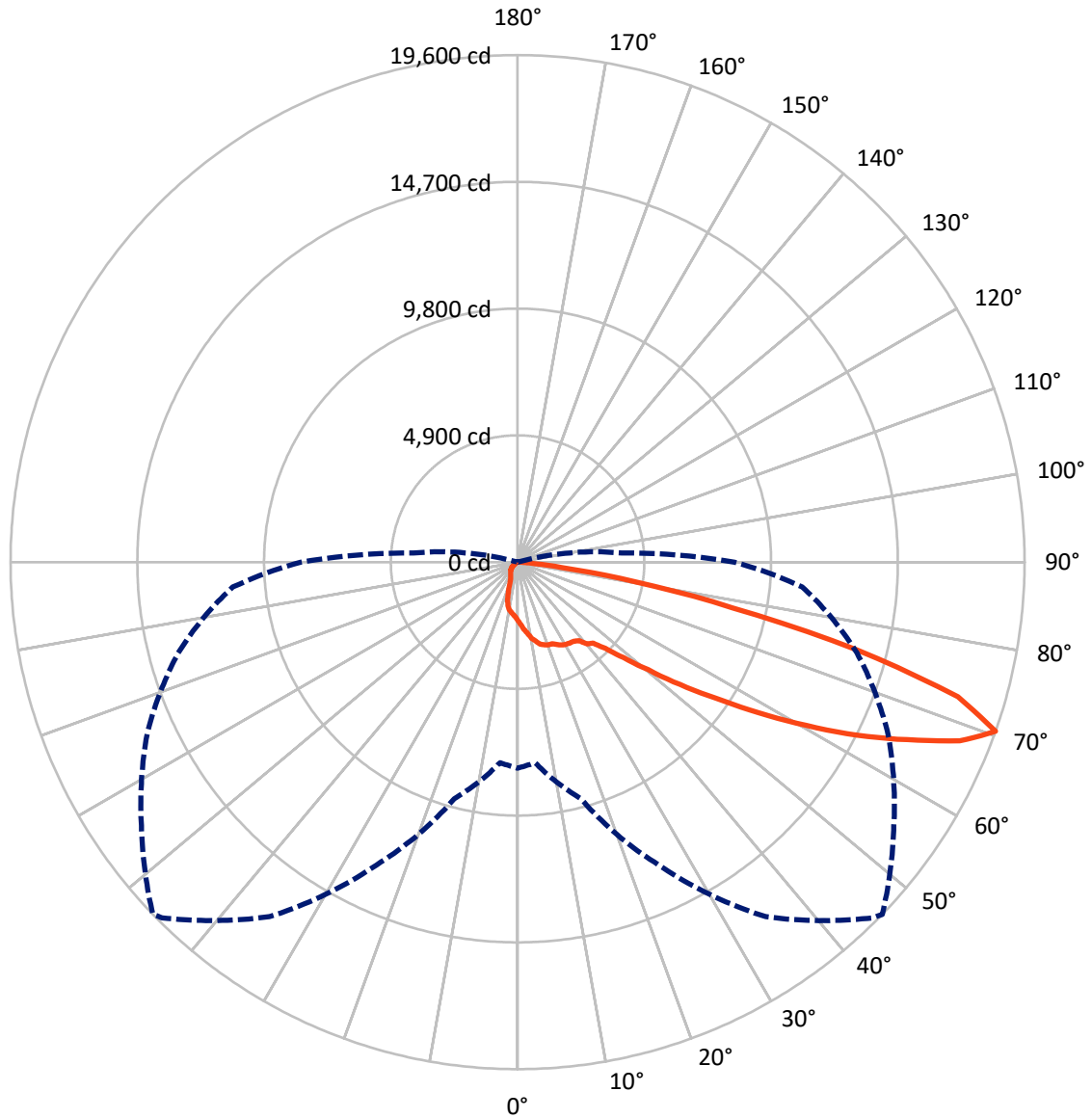
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc  
 Type IV - Short - N/A

REPORT NUMBER: P483641  
CATALOG NUMBER: IFLD-L-SA7A-740-U-T4W-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P483641  
 CATALOG NUMBER: IFLD-L-SA7A-740-U-T4W-HSS

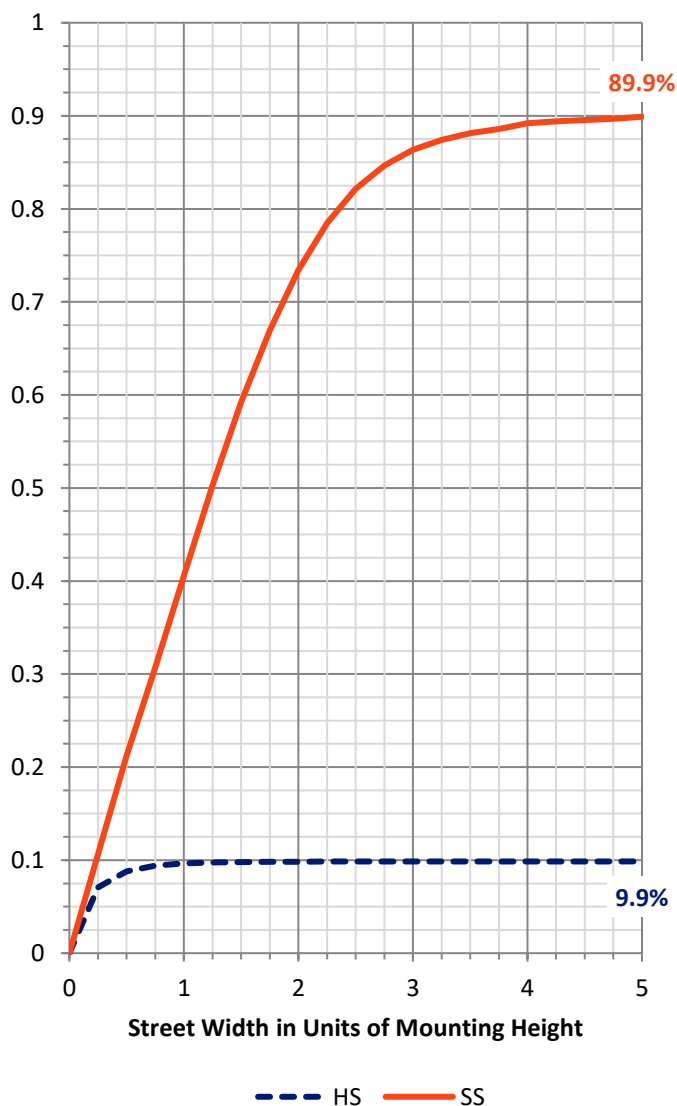
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2298.0	0.0	2298.0
	% Fixture	10.0	0.0	10.0
<b>Street Side</b>	Lumens	20796.7	0.0	20796.7
	% Fixture	90.0	0.0	90.0
<b>Total</b>	Lumens	23094.6	0.0	23094.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	226.1	1.0
10°-20°	682.7	3.0
20°-30°	1093.5	4.7
30°-40°	1560.9	6.8
40°-50°	2695.2	11.7
50°-60°	5160.2	22.3
60°-70°	7641.4	33.1
70°-80°	3784.7	16.4
80°-90°	250.1	1.1
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°	23094.6	100.0
0°-180°	23094.6	100.0

**Coefficient of Utilization**

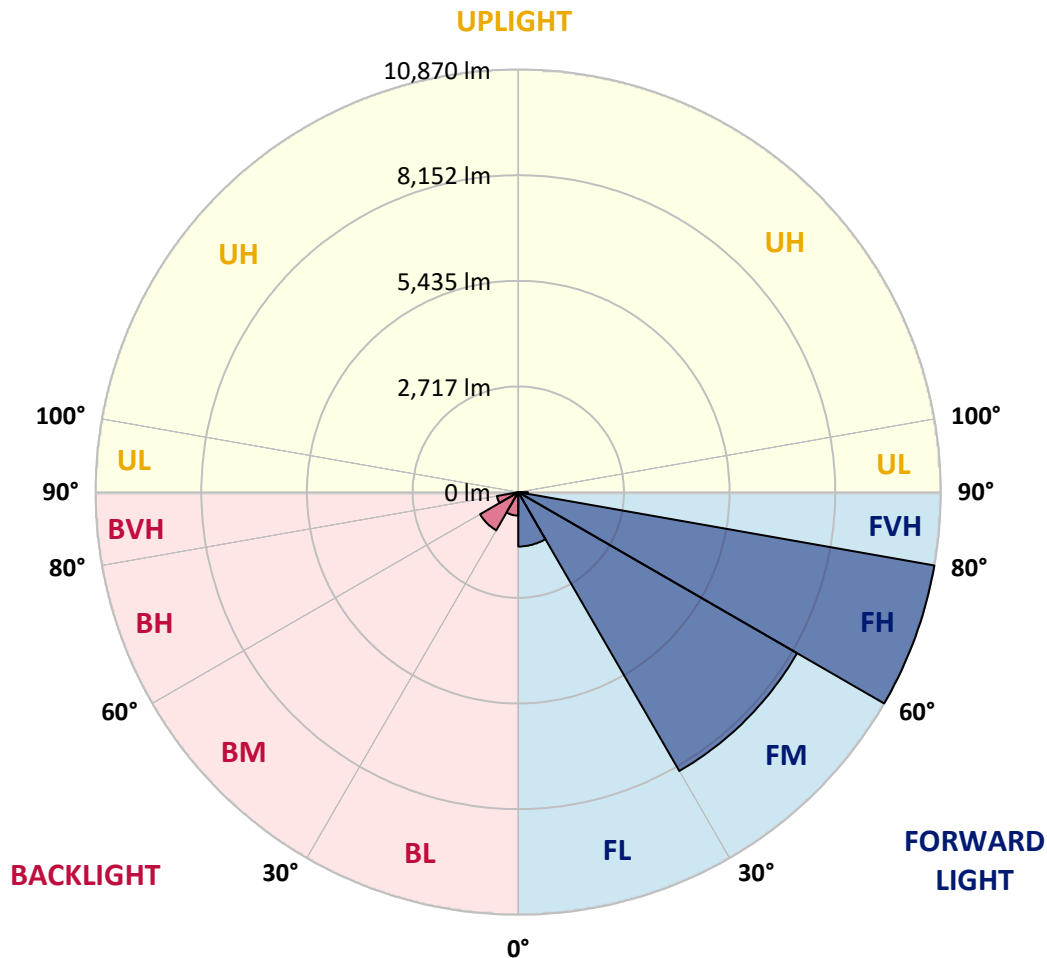


REPORT NUMBER: P483641  
 CATALOG NUMBER: IFLD-L-SA7A-740-U-T4W-HSS

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1398.5	6.1			
FM (30°-60°)	8281.7	35.9			
FH (60°-80°)	10869.5	47.1			G4/12000
FVH (80°-90°)	246.9	1.1			G3/500
BL (0°-30°)	603.7	2.6	B2/1000		
BM (30°-60°)	1134.5	4.9	B2/2500		
BH (60°-80°)	556.5	2.4	B2/1000		G2/1000
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-G4**  
 Type IV Short





REPORT NUMBER: P483641

CATALOG NUMBER: IFLD-L-SA7A-740-U-T4W-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	2267.2	2267.2	2267.2	2267.2	2267.2	2267.2	2267.2	2267.2	2267.2	2267.2	2267.2
2.5°	2529.8	2513.2	2486.6	2476.6	2450.0	2436.7	2416.8	2406.8	2370.2	2333.7	2310.4
5°	2839.0	2799.1	2812.4	2772.5	2686.0	2616.2	2612.9	2536.4	2453.3	2386.8	2297.1
7.5°	3151.4	3118.2	3068.3	3011.8	2915.4	2812.4	2782.4	2709.3	2593.0	2476.6	2356.9
10°	3387.5	3364.2	3321.0	3241.2	3108.2	2991.9	2995.2	2872.2	2749.2	2616.2	2453.3
12.5°	3533.7	3543.7	3480.5	3400.8	3284.4	3138.1	3134.8	3051.7	2912.1	2772.5	2579.7
15°	3680.0	3716.6	3620.2	3527.1	3377.5	3271.1	3291.1	3191.3	3055.0	2895.5	2682.7
17.5°	3703.3	3713.2	3693.3	3557.0	3447.3	3357.5	3360.9	3294.4	3191.3	3018.5	2835.6
20°	3663.4	3656.7	3633.5	3533.7	3460.6	3407.4	3410.7	3394.1	3337.6	3198.0	2948.7
22.5°	3547.0	3547.0	3517.1	3450.6	3417.4	3467.2	3427.4	3490.5	3430.7	3347.6	3141.5
25°	3454.0	3490.5	3473.9	3430.7	3444.0	3510.5	3530.4	3590.2	3580.3	3477.2	3274.4
27.5°	3553.7	3510.5	3520.4	3470.6	3520.4	3620.2	3630.1	3673.4	3670.0	3586.9	3394.1
30°	3620.2	3660.1	3583.6	3473.9	3527.1	3696.6	3690.0	3746.5	3773.1	3673.4	3507.1
32.5°	3832.9	3799.7	3736.5	3590.2	3596.9	3693.3	3723.2	3796.4	3813.0	3753.1	3616.8
35°	4268.4	4218.5	3942.6	3723.2	3690.0	3736.5	3756.5	3899.4	3929.3	3862.8	3733.2
37.5°	4939.9	4826.9	4494.5	4009.1	3859.5	3849.5	3849.5	4039.0	4152.1	3999.1	3906.1
40°	5900.6	5741.1	5382.0	4537.7	4082.2	4122.1	4162.0	4265.1	4251.8	4152.1	4132.1
42.5°	7124.0	7001.0	6612.0	5425.3	4507.8	4308.3	4275.1	4414.7	4624.1	4584.2	4570.9
45°	8144.5	8151.2	7901.9	6642.0	5242.4	4737.1	4760.4	4866.8	5219.2	5189.2	5185.9
47.5°	8889.2	8796.1	8759.5	7815.4	6312.9	5551.6	5518.3	5591.5	6050.2	6239.7	6326.1
50°	9567.3	9504.2	9417.8	8955.7	7599.4	6572.1	6538.9	6545.6	7247.0	7512.9	7725.7
52.5°	10408.4	10488.2	10202.3	9919.7	9264.8	7898.5	7862.0	7732.3	8603.3	8969.0	9221.6
55°	11445.6	11296.0	10973.5	11119.8	10857.2	9331.3	9264.8	9111.9	10149.1	10302.0	10568.0
57.5°	11675.0	11561.9	11894.4	12412.9	12665.6	11013.4	10986.8	10710.9	11448.9	11309.3	12060.6
60°	12246.7	12276.7	12738.7	13769.3	14208.1	12954.8	12825.2	12339.8	12708.8	12735.4	13536.6
62.5°	12835.1	12765.3	13799.2	14789.8	15464.7	14793.1	14749.9	13785.9	14204.7	13865.7	14926.1
65°	12403.0	12509.4	13988.7	15647.5	17093.6	16591.6	16555.0	15178.8	15408.1	14986.0	15491.3
67.5°	10867.1	10651.1	12722.1	15255.2	17931.3	18476.5	18436.6	16698.0	16086.3	14979.3	14317.8
70°	7965.0	7778.9	9467.6	12918.2	16731.2	19440.5	19600.1	17755.1	15810.4	13583.1	11046.7
72.5°	3902.7	3906.1	5305.6	8759.5	13237.4	17718.5	17798.3	16279.1	13583.1	10012.8	6256.3
75°	1153.5	1166.8	1964.7	4295.0	8556.8	13456.8	13546.5	12356.4	9414.4	5172.6	2134.2
77.5°	422.2	422.2	651.6	1612.3	4268.4	8493.6	8486.9	7586.1	4767.1	1751.9	498.6
80°	219.4	229.4	339.1	658.2	1848.3	4424.6	4590.9	3713.2	1811.7	738.0	146.3
82.5°	89.8	99.7	186.2	339.1	887.6	1552.4	1698.7	1456.0	787.9	515.3	66.5
85°	26.6	29.9	89.8	189.5	349.1	388.9	432.2	488.7	495.3	398.9	29.9
87.5°	3.3	3.3	36.6	63.2	76.5	83.1	96.4	96.4	252.6	279.2	16.6
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: P483641

CATALOG NUMBER: IFLD-L-SA7A-740-U-T4W-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2267.2	2267.2	2267.2	2267.2	2267.2	2267.2	2267.2	2267.2	2267.2	2267.2	2267.2
2.5°	2283.8	2267.2	2240.6	2180.7	2167.4	2124.2	2120.9	2081.0	2094.3	2067.7	2057.7
5°	2267.2	2230.6	2157.5	2110.9	2064.4	2034.5	2014.5	1997.9	1994.6	1981.3	1974.6
7.5°	2297.1	2247.2	2134.2	2061.1	1981.3	1954.7	1911.5	1908.1	1884.9	1861.6	1861.6
10°	2396.8	2307.1	2184.1	2061.1	1958.0	1871.6	1771.9	1698.7	1672.1	1612.3	1618.9
12.5°	2476.6	2396.8	2217.3	2091.0	1934.7	1738.6	1519.2	1349.7	1269.9	1193.4	1223.3
15°	2589.6	2473.3	2280.5	2097.6	1845.0	1505.9	1146.9	957.4	884.3	867.6	864.3
17.5°	2712.6	2589.6	2360.3	2081.0	1662.2	1163.5	844.4	734.7	748.0	767.9	764.6
20°	2848.9	2699.3	2420.1	2024.5	1372.9	844.4	691.5	688.1	708.1	738.0	744.6
22.5°	2991.9	2862.2	2493.2	1855.0	1023.9	678.2	664.9	664.9	678.2	714.7	708.1
25°	3151.4	2978.6	2529.8	1592.3	734.7	625.0	631.6	644.9	651.6	681.5	684.8
27.5°	3274.4	3108.2	2539.8	1276.5	598.4	578.4	595.1	611.7	621.6	644.9	654.9
30°	3387.5	3271.1	2486.6	950.8	548.5	538.5	545.2	568.5	588.4	608.3	608.3
32.5°	3530.4	3364.2	2363.6	674.8	518.6	502.0	498.6	508.6	531.9	555.2	555.2
35°	3676.7	3520.4	2167.4	541.9	492.0	468.7	455.4	445.5	455.4	472.1	485.3
37.5°	3889.4	3756.5	1921.4	498.6	472.1	438.8	412.2	388.9	372.3	369.0	379.0
40°	4191.9	4022.4	1605.6	468.7	448.8	408.9	369.0	329.1	292.5	269.3	272.6
42.5°	4650.7	4414.7	1263.2	452.1	432.2	375.6	319.1	262.6	216.1	192.8	192.8
45°	5305.6	4933.3	927.5	435.5	412.2	335.8	262.6	196.1	149.6	136.3	139.6
47.5°	6292.9	5558.2	664.9	408.9	385.6	292.5	206.1	139.6	109.7	103.1	106.4
50°	7582.7	6299.6	518.6	379.0	352.4	246.0	152.9	103.1	86.4	83.1	86.4
52.5°	8935.7	7047.5	455.4	352.4	302.5	196.1	113.0	83.1	73.1	69.8	73.1
55°	10092.6	7529.5	395.6	312.5	242.7	146.3	89.8	73.1	63.2	53.2	53.2
57.5°	11262.7	7772.2	312.5	259.3	179.5	109.7	76.5	63.2	53.2	43.2	39.9
60°	12213.5	7945.1	222.7	192.8	126.3	86.4	66.5	56.5	43.2	33.2	29.9
62.5°	12838.5	7449.8	162.9	146.3	93.1	73.1	56.5	46.5	33.2	23.3	23.3
65°	12529.3	6765.0	126.3	103.1	69.8	56.5	46.5	33.2	23.3	13.3	10.0
67.5°	11242.8	5511.7	103.1	76.5	53.2	43.2	36.6	26.6	13.3	3.3	3.3
70°	8387.2	4039.0	83.1	56.5	43.2	33.2	26.6	16.6	6.6	3.3	0.0
72.5°	4587.5	2210.7	66.5	46.5	33.2	26.6	19.9	13.3	6.6	0.0	0.0
75°	1515.9	588.4	49.9	33.2	19.9	16.6	13.3	10.0	3.3	0.0	0.0
77.5°	365.7	152.9	39.9	29.9	16.6	10.0	6.6	3.3	3.3	0.0	0.0
80°	113.0	63.2	29.9	19.9	13.3	10.0	3.3	0.0	0.0	0.0	0.0
82.5°	46.5	29.9	13.3	13.3	10.0	3.3	0.0	0.0	0.0	0.0	0.0
85°	23.3	16.6	10.0	6.6	6.6	3.3	0.0	0.0	0.0	0.0	0.0
87.5°	16.6	6.6	3.3	3.3	0.0	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)