

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: P480887

Luminaire Tested: **IFLD-S-SA3B-740-U-SL4**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P480887  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3B-740-U-SL4  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL4 distribution lens  
Light Source: (48) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

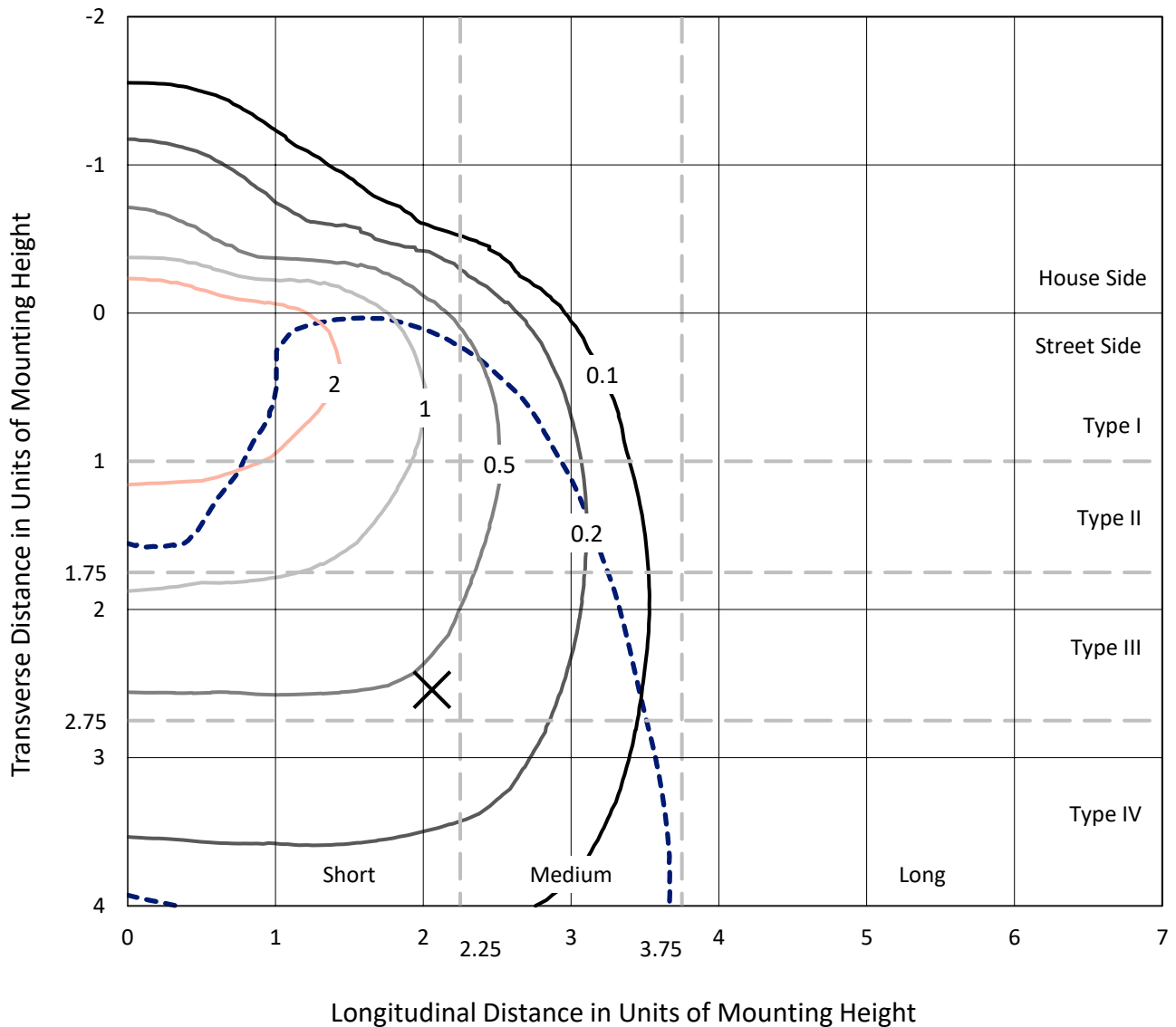
Lumens per Lamp: N/A  
Luminaire Lumens: 16459.1 lumens  
Efficiency: N/A  
Efficacy: 134.5 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G4

Input Watts (W): 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: P480887  
 CATALOG NUMBER: IFLD-S-SA3B-740-U-SL4

### Iso-Footcandle Lines of Horizontal Illumination

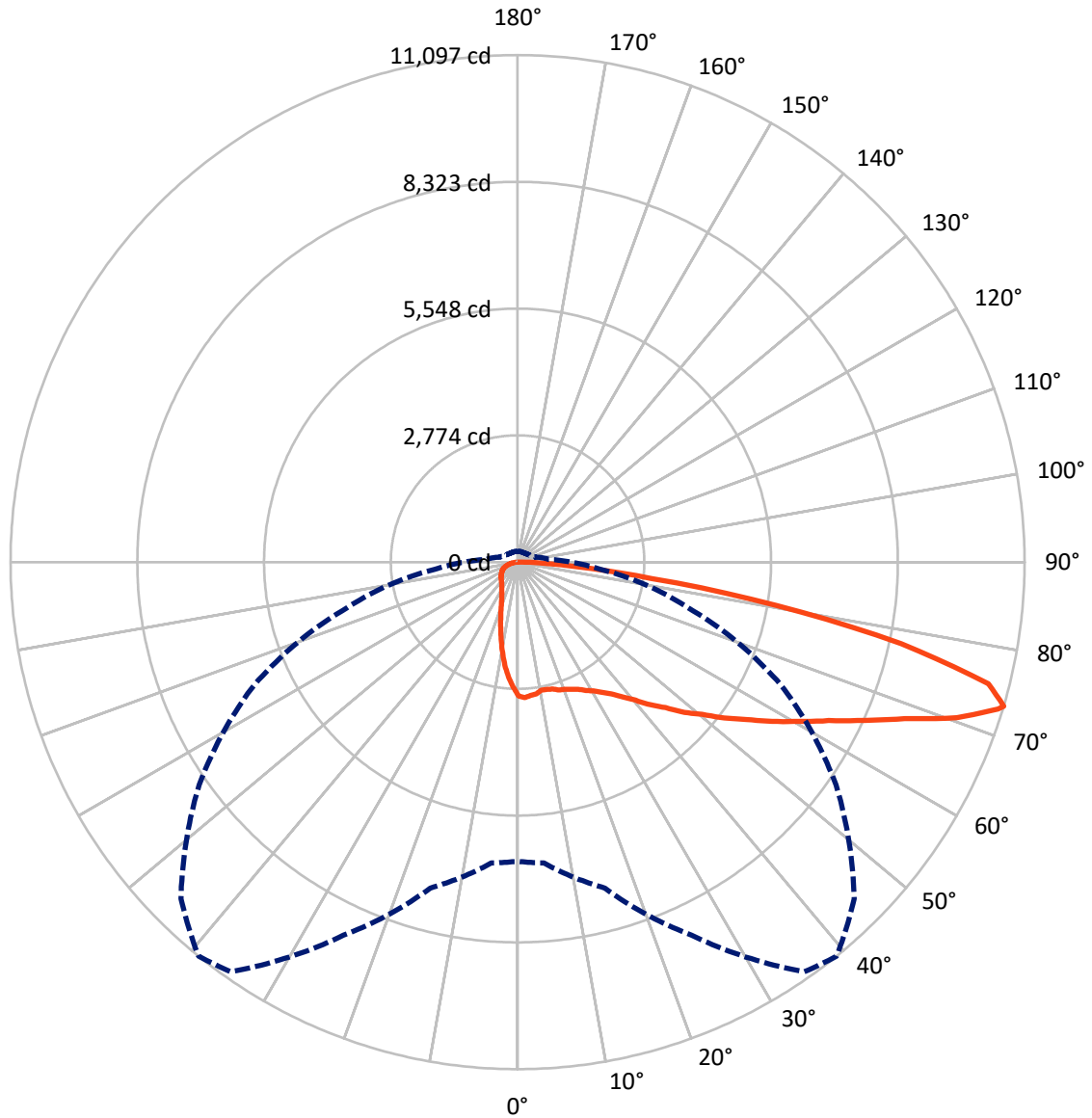
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc  
 Type IV - Short - N/A

REPORT NUMBER: P480887  
CATALOG NUMBER: IFLD-S-SA3B-740-U-SL4

### Luminous Intensity Polar Plot



— Vertical Plane Through 39-Deg Lateral      - - - Horizontal Cone Through 73-Deg Vertical

REPORT NUMBER: P480887  
 CATALOG NUMBER: IFLD-S-SA3B-740-U-SL4

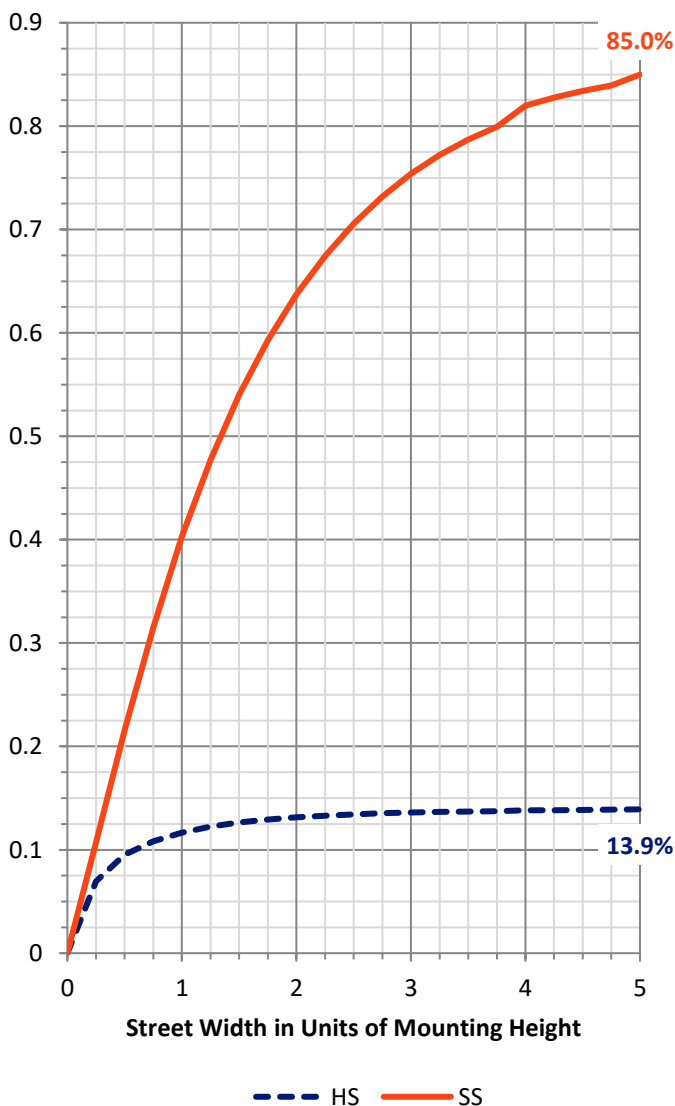
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2313.7	0.0	2313.7
	% Fixture	14.1	0.0	14.1
<b>Street Side</b>	Lumens	14145.4	0.0	14145.4
	% Fixture	85.9	0.0	85.9
<b>Total</b>	Lumens	16459.1	0.0	16459.1
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	254.3	1.5
10°-20°	646.5	3.9
20°-30°	988.0	6.0
30°-40°	1440.5	8.8
40°-50°	2176.8	13.2
50°-60°	3152.1	19.2
60°-70°	4004.9	24.3
70°-80°	3246.6	19.7
80°-90°	549.3	3.3
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°	16459.1	100.0
0°-180°	16459.1	100.0

**Coefficient of Utilization**



REPORT NUMBER: P480887

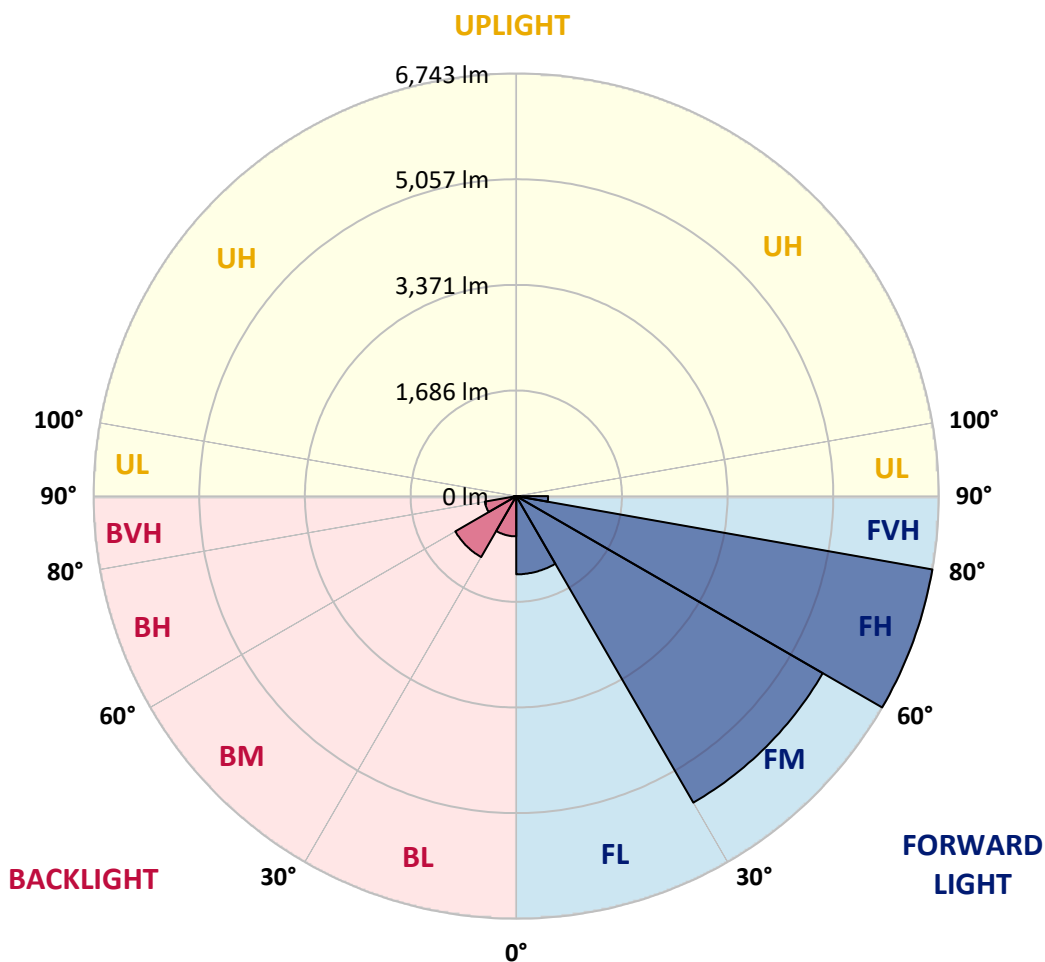
CATALOG NUMBER: IFLD-S-SA3B-740-U-SL4

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1247.2	7.6			
FM (30°-60°)	5646.5	34.3			
FH (60°-80°)	6742.6	41.0			G3/7500
FVH (80°-90°)	509.0	3.1			G4/750
BL (0°-30°)	641.6	3.9	B2/1000		
BM (30°-60°)	1122.9	6.8	B2/2500		
BH (60°-80°)	508.9	3.1	B2/1000		G2/1000
BVH (80°-90°)	40.3	0.2			G1/100
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: P480887

CATALOG NUMBER: IFLD-S-SA3B-740-U-SL4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	2929.8	2929.8	2929.8	2929.8	2929.8	2929.8	2929.8	2929.8	2929.8	2929.8	2929.8
2.5°	2999.8	2968.5	2974.0	2963.0	2974.0	2970.3	2964.8	2937.2	2964.8	2937.2	2929.8
5°	2959.3	2959.3	2977.7	2950.1	2953.8	2935.3	2953.8	2933.5	2915.1	2869.1	2856.2
7.5°	2946.4	2944.6	2946.4	2907.7	2926.1	2915.1	2896.7	2874.6	2837.7	2808.3	2765.9
10°	2858.0	2876.4	2856.2	2867.2	2881.9	2848.8	2847.0	2841.4	2824.9	2786.2	2760.4
12.5°	2810.1	2841.4	2852.5	2843.3	2856.2	2859.8	2848.8	2841.4	2821.2	2795.4	2721.7
15°	2830.4	2793.5	2824.9	2885.6	2872.7	2881.9	2883.8	2876.4	2867.2	2819.3	2771.5
17.5°	2835.9	2813.8	2880.1	2893.0	2909.6	2942.7	2920.6	2918.8	2883.8	2850.6	2780.7
20°	2848.8	2839.6	2893.0	2961.1	2963.0	2968.5	2979.5	2951.9	2933.5	2876.4	2769.6
22.5°	2896.7	2928.0	2977.7	3007.2	3023.7	3027.4	3027.4	2972.2	2951.9	2905.9	2821.2
25°	3040.3	3007.2	3077.1	3112.1	3088.2	3082.7	3069.8	3020.1	2998.0	2957.4	2845.1
27.5°	3145.3	3143.4	3183.9	3231.8	3167.4	3180.3	3134.2	3119.5	3069.8	3047.7	2887.5
30°	3288.9	3329.4	3327.6	3342.3	3257.6	3272.3	3213.4	3185.8	3158.2	3171.1	3012.7
32.5°	3473.1	3458.3	3482.3	3471.2	3386.5	3399.4	3329.4	3287.1	3296.3	3334.9	3183.9
35°	3590.9	3576.2	3585.4	3585.4	3559.6	3544.9	3515.4	3460.2	3504.4	3576.2	3375.5
37.5°	3718.0	3736.4	3789.8	3778.8	3745.6	3745.6	3741.9	3703.2	3760.3	3937.1	3681.2
40°	3830.3	3880.0	3913.2	3935.3	3973.9	3973.9	4005.3	3983.2	4086.3	4369.9	4055.0
42.5°	3948.2	3950.0	4130.5	4147.0	4233.6	4270.4	4294.4	4312.8	4506.1	4822.9	4454.6
45°	4099.2	4108.4	4266.7	4393.8	4528.2	4541.1	4631.4	4692.1	4929.7	5318.2	4889.2
47.5°	4298.1	4287.0	4456.4	4659.0	4826.6	4915.0	5023.6	5089.9	5382.7	5856.0	5364.3
50°	4559.5	4526.4	4624.0	4942.6	5139.6	5237.2	5430.6	5541.1	5883.6	6369.7	5690.2
52.5°	4878.1	4822.9	4900.2	5248.3	5469.2	5666.3	5850.4	5973.8	6331.1	6767.5	5931.5
55°	5215.1	5100.9	5123.0	5572.4	5890.9	6076.9	6329.2	6458.1	6822.7	7124.7	6172.7
57.5°	5548.4	5476.6	5432.4	5883.6	6393.7	6572.3	6804.3	6971.9	7281.3	7441.5	6377.1
60°	5828.3	5809.9	5738.1	6366.1	6925.9	7078.7	7321.8	7424.9	7658.8	7734.3	6380.8
62.5°	6058.5	5995.9	6110.1	6754.6	7467.3	7640.4	7907.4	7916.6	8082.3	7916.6	6193.0
65°	6239.0	6242.7	6425.0	7224.2	8093.4	8349.3	8564.8	8540.9	8434.1	7807.9	5749.2
67.5°	6402.9	6472.9	6739.9	7739.8	8898.1	9139.3	9378.7	9062.0	8529.8	7299.7	4881.8
70°	6531.8	6601.8	7165.3	8367.8	9846.5	10200.0	10253.5	9268.3	8089.7	6183.7	3683.0
72.5°	6517.1	6644.1	7406.5	8868.6	10688.0	10993.7	10562.8	8688.2	6739.9	4310.9	2149.0
73°	6548.4	6611.0	7386.2	9008.6	10944.0	11096.9	10419.2	8505.9	6356.8	3867.1	1817.6
75°	5944.4	6156.1	7019.8	8780.3	10669.6	10642.0	9594.2	7087.9	4519.0	2031.2	880.2
77.5°	4397.5	4531.9	5531.9	7220.5	8758.2	8581.4	7237.1	4530.1	2145.3	753.2	475.1
80°	2149.0	2254.0	2931.7	4169.1	5727.1	5741.8	4491.4	2357.1	918.9	425.4	324.1
82.5°	1073.6	1136.2	1408.7	1832.3	2817.5	2951.9	2277.9	1340.6	569.0	241.2	184.1
85°	701.6	745.8	867.3	896.8	1195.1	1261.4	1060.7	1046.0	370.1	130.7	149.2
87.5°	465.9	473.3	532.2	453.0	478.8	460.4	511.9	659.3	108.6	55.2	40.5
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: P480887  
 CATALOG NUMBER: IFLD-S-SA3B-740-U-SL4

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2929.8	2929.8	2929.8	2929.8	2929.8	2929.8	2929.8	2929.8	2929.8	2929.8	2929.8
2.5°	2920.6	2894.8	2867.2	2828.5	2800.9	2758.6	2719.9	2703.3	2699.6	2701.5	2683.1
5°	2845.1	2808.3	2753.0	2673.9	2627.8	2557.8	2498.9	2467.6	2434.5	2440.0	2425.3
7.5°	2740.1	2699.6	2614.9	2522.9	2408.7	2309.2	2254.0	2176.6	2132.5	2099.3	2117.7
10°	2707.0	2637.0	2510.0	2382.9	2206.1	2075.4	1948.3	1859.9	1799.1	1740.2	1766.0
12.5°	2690.4	2620.4	2443.7	2255.8	2027.5	1828.6	1650.0	1541.3	1454.8	1403.2	1423.5
15°	2675.7	2589.1	2381.1	2115.9	1859.9	1598.4	1397.7	1254.1	1171.2	1121.5	1127.0
17.5°	2696.0	2572.6	2289.0	1979.6	1675.8	1395.9	1173.0	1023.9	939.2	907.9	900.5
20°	2675.7	2554.2	2198.7	1843.3	1491.6	1202.5	988.9	865.5	806.6	780.8	775.3
22.5°	2683.1	2510.0	2104.8	1692.3	1320.4	1040.4	865.5	771.6	725.5	712.7	716.3
25°	2718.0	2484.2	2010.9	1526.6	1150.9	920.7	786.3	714.5	681.4	668.5	672.1
27.5°	2743.8	2506.3	1926.2	1370.1	1007.3	813.9	720.0	672.1	650.0	640.8	639.0
30°	2808.3	2519.2	1843.3	1230.1	889.4	744.0	674.0	635.3	620.6	615.1	613.2
32.5°	2904.0	2543.1	1747.6	1101.2	802.9	677.7	637.2	604.0	600.3	594.8	596.6
35°	3060.6	2626.0	1640.8	990.7	720.0	633.5	598.5	576.4	576.4	576.4	581.9
37.5°	3285.2	2742.0	1545.0	885.8	666.6	594.8	565.3	558.0	554.3	559.8	563.5
40°	3574.3	2881.9	1467.7	802.9	620.6	569.0	543.2	539.6	537.7	535.9	539.6
42.5°	3891.1	3060.6	1401.4	738.4	587.4	541.4	523.0	519.3	511.9	515.6	521.1
45°	4206.0	3281.5	1342.5	686.9	565.3	526.7	500.9	499.0	495.4	493.5	502.7
47.5°	4555.9	3498.8	1324.0	655.6	548.8	504.6	486.2	484.3	473.3	471.4	478.8
50°	4828.4	3659.1	1344.3	640.8	524.8	488.0	475.1	465.9	456.7	447.5	447.5
52.5°	5016.2	3769.5	1359.0	629.8	511.9	465.9	449.3	445.6	436.4	427.2	423.5
55°	5185.7	3835.8	1362.7	631.6	499.0	440.1	429.1	427.2	421.7	407.0	403.3
57.5°	5242.7	3808.2	1289.0	615.1	491.7	423.5	408.8	412.5	405.1	392.2	390.4
60°	5237.2	3616.7	1121.5	593.0	475.1	405.1	386.7	397.8	397.8	383.0	381.2
62.5°	4918.6	3174.7	917.1	550.6	456.7	386.7	366.5	383.0	388.6	379.3	377.5
65°	4257.5	2585.5	766.1	508.3	429.1	366.5	346.2	364.6	373.8	370.1	368.3
67.5°	3522.8	1977.8	637.2	453.0	394.1	338.8	322.3	335.2	340.7	342.5	344.4
70°	2489.7	1316.7	532.2	392.2	346.2	309.4	291.0	292.8	291.0	296.5	296.5
72.5°	1353.5	758.7	432.8	333.3	298.3	268.9	256.0	246.8	246.8	244.9	244.9
73°	1158.3	681.4	412.5	324.1	285.4	261.5	246.8	239.4	239.4	237.6	235.7
75°	650.0	499.0	353.6	278.1	246.8	228.3	217.3	206.2	204.4	204.4	204.4
77.5°	427.2	388.6	281.7	222.8	198.9	182.3	178.6	167.6	167.6	167.6	165.7
80°	320.4	305.7	217.3	169.4	152.8	140.0	136.3	128.9	127.1	119.7	121.5
82.5°	213.6	241.2	158.4	119.7	103.1	95.8	95.8	93.9	88.4	79.2	79.2
85°	169.4	197.0	114.2	73.7	60.8	51.6	53.4	51.6	49.7	40.5	38.7
87.5°	31.3	79.2	33.1	20.3	14.7	9.2	9.2	5.5	3.7	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)