

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: P480757

Luminaire Tested: **IFLD-L-SA7C-722-U-SL4**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P480757  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-L-SA7C-722-U-SL4  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL4 distribution lens  
Light Source: (112) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

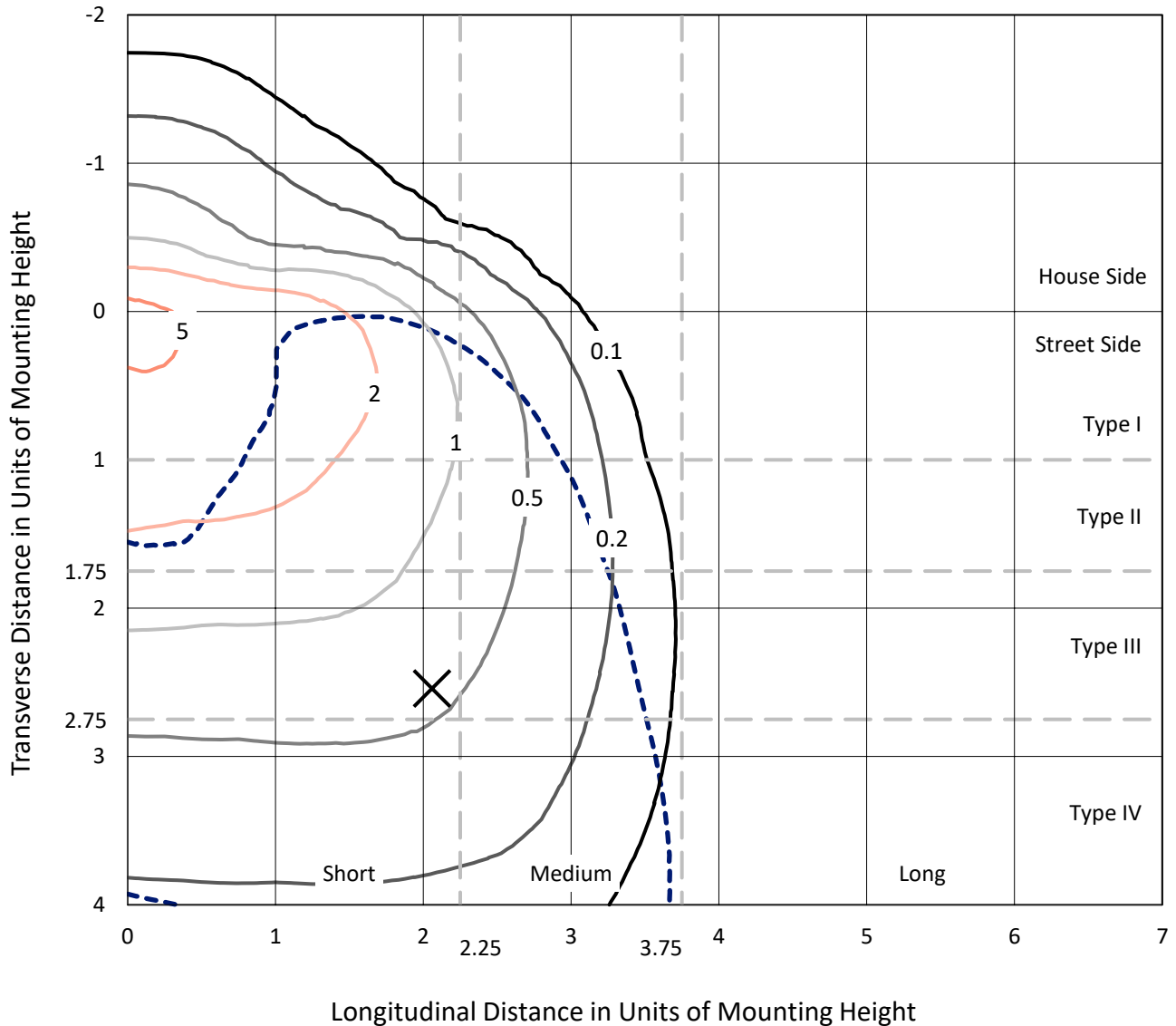
Lumens per Lamp: N/A  
Luminaire Lumens: 31585.7 lumens  
Efficiency: N/A  
Efficacy: 85.6 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

Input Watts (W): 369  
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: P480757  
 CATALOG NUMBER: IFLD-L-SA7C-722-U-SL4

### Iso-Footcandle Lines of Horizontal Illumination

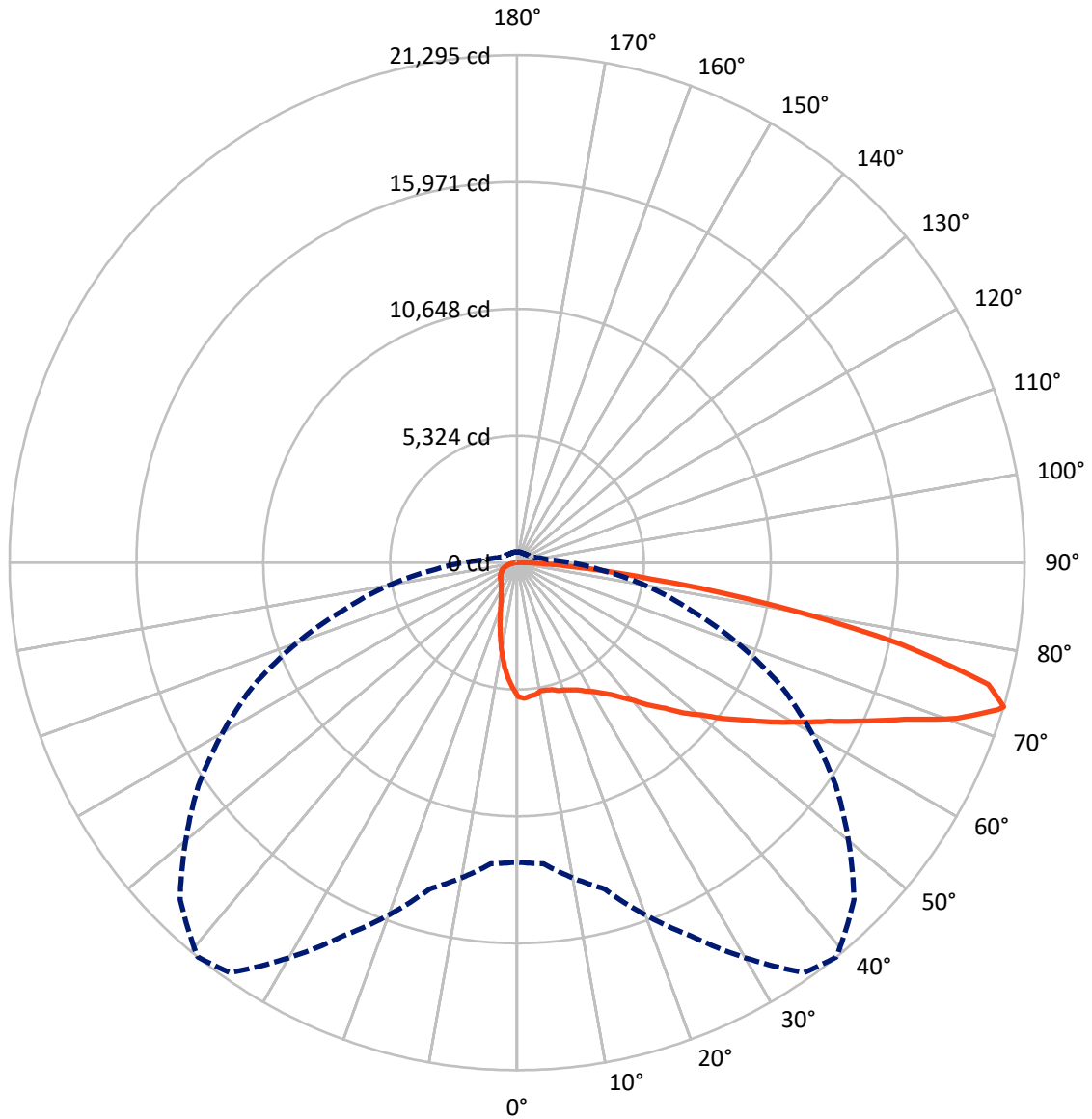
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.2 fc  
 Type IV - Short - N/A

REPORT NUMBER: P480757  
CATALOG NUMBER: IFLD-L-SA7C-722-U-SL4

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P480757  
 CATALOG NUMBER: IFLD-L-SA7C-722-U-SL4

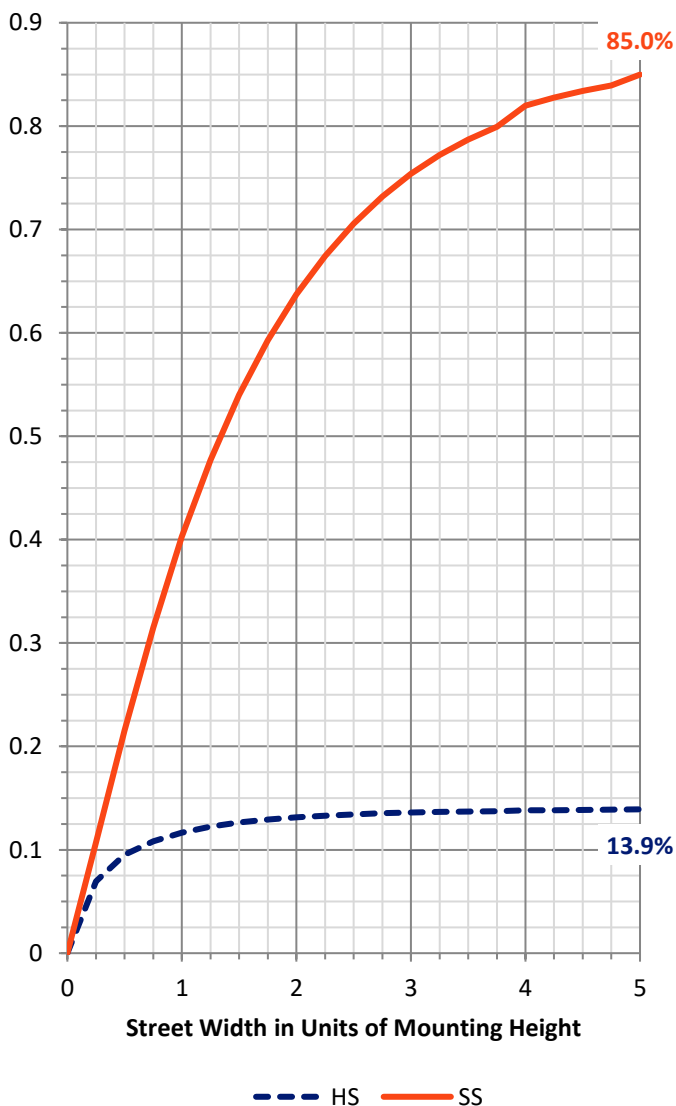
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4440.1	0.0	4440.1
	% Fixture	14.1	0.0	14.1
<b>Street Side</b>	Lumens	27145.6	0.0	27145.6
	% Fixture	85.9	0.0	85.9
<b>Total</b>	Lumens	31585.7	0.0	31585.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	488.1	1.5
10°-20°	1240.7	3.9
20°-30°	1896.0	6.0
30°-40°	2764.4	8.8
40°-50°	4177.3	13.2
50°-60°	6049.0	19.2
60°-70°	7685.6	24.3
70°-80°	6230.3	19.7
80°-90°	1054.1	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°	31585.7	100.0
0°-180°	31585.7	100.0

**Coefficient of Utilization**



REPORT NUMBER: P480757

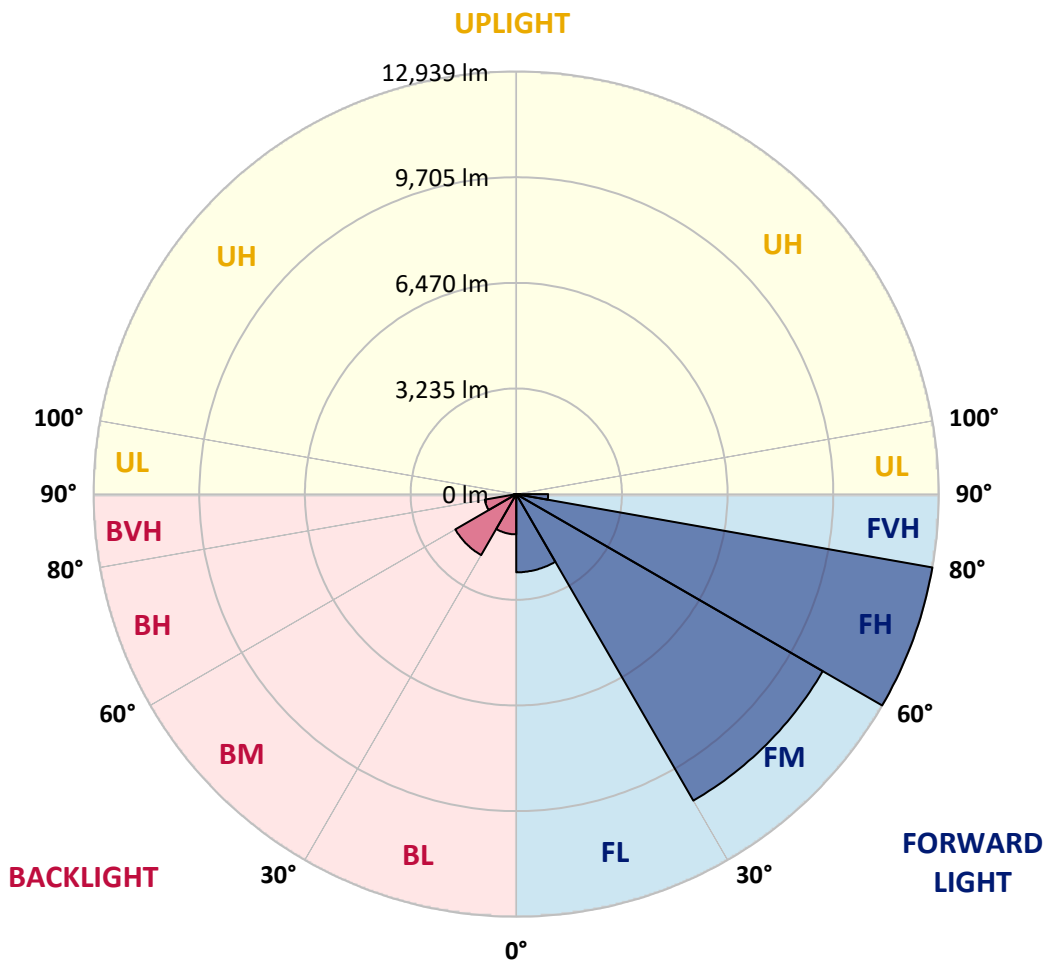
CATALOG NUMBER: IFLD-L-SA7C-722-U-SL4

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2393.5	7.6			
FM (30°-60°)	10835.9	34.3			
FH (60°-80°)	12939.4	41.0			G5
FVH (80°-90°)	976.8	3.1			G5
BL (0°-30°)	1231.3	3.9	B3/2500		
BM (30°-60°)	2154.9	6.8	B2/2500		
BH (60°-80°)	976.5	3.1	B2/1000		G2/1000
BVH (80°-90°)	77.3	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type IV Short





REPORT NUMBER: P480757  
 CATALOG NUMBER: IFLD-L-SA7C-722-U-SL4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	39°	45°	55°	65°	75°	85°
0°	5622.4	5622.4	5622.4	5622.4	5622.4	5622.4	5622.4	5622.4	5622.4	5622.4	5622.4
2.5°	5756.7	5696.7	5707.3	5686.1	5707.3	5700.2	5689.6	5636.6	5689.6	5636.6	5622.4
5°	5679.0	5679.0	5714.3	5661.3	5668.4	5633.0	5668.4	5629.5	5594.2	5505.8	5481.1
7.5°	5654.2	5650.7	5654.2	5580.0	5615.4	5594.2	5558.8	5516.4	5445.7	5389.2	5307.9
10°	5484.6	5520.0	5481.1	5502.3	5530.6	5466.9	5463.4	5452.8	5421.0	5346.8	5297.3
12.5°	5392.7	5452.8	5474.0	5456.3	5481.1	5488.2	5466.9	5452.8	5413.9	5364.5	5223.1
15°	5431.6	5360.9	5421.0	5537.6	5512.9	5530.6	5534.1	5520.0	5502.3	5410.4	5318.5
17.5°	5442.2	5399.8	5527.0	5551.8	5583.6	5647.2	5604.8	5601.2	5534.1	5470.5	5336.2
20°	5466.9	5449.3	5551.8	5682.5	5686.1	5696.7	5717.9	5664.8	5629.5	5520.0	5315.0
22.5°	5558.8	5618.9	5714.3	5770.9	5802.7	5809.7	5809.7	5703.7	5664.8	5576.5	5413.9
25°	5834.5	5770.9	5905.2	5972.3	5926.4	5915.8	5891.0	5795.6	5753.2	5675.4	5459.9
27.5°	6035.9	6032.4	6110.1	6202.0	6078.3	6103.1	6014.7	5986.4	5891.0	5848.6	5541.2
30°	6311.6	6389.3	6385.8	6414.0	6251.5	6279.7	6166.7	6113.7	6060.6	6085.4	5781.5
32.5°	6664.9	6636.7	6682.6	6661.4	6498.8	6523.6	6389.3	6308.0	6325.7	6399.9	6110.1
35°	6891.1	6862.8	6880.5	6880.5	6831.0	6802.8	6746.2	6640.2	6725.0	6862.8	6477.6
37.5°	7135.0	7170.3	7272.8	7251.6	7188.0	7188.0	7180.9	7106.7	7216.2	7555.5	7064.3
40°	7350.5	7445.9	7509.5	7552.0	7626.2	7626.2	7686.2	7643.8	7841.7	8386.0	7781.7
42.5°	7576.7	7580.2	7926.5	7958.4	8124.4	8195.1	8241.1	8276.4	8647.5	9255.3	8548.5
45°	7866.5	7884.1	8188.1	8431.9	8689.9	8714.6	8887.8	9004.4	9460.3	10205.9	9382.5
47.5°	8248.1	8226.9	8552.0	8940.8	9262.4	9432.0	9640.5	9767.7	10329.6	11237.8	10294.3
50°	8749.9	8686.3	8873.6	9485.0	9863.1	10050.4	10421.5	10633.5	11290.8	12223.8	10919.8
52.5°	9361.3	9255.3	9403.7	10071.6	10495.7	10873.8	11227.2	11464.0	12149.6	12987.1	11382.7
55°	10008.0	9788.9	9831.3	10693.6	11305.0	11661.9	12146.0	12393.4	13093.1	13672.7	11845.6
57.5°	10647.7	10509.8	10425.0	11290.8	12269.7	12612.5	13057.8	13379.4	13973.1	14280.5	12237.9
60°	11184.8	11149.5	11011.6	12216.7	13291.0	13584.3	14050.8	14248.7	14697.5	14842.4	12245.0
62.5°	11626.5	11506.4	11725.5	12962.4	14330.0	14662.2	15174.6	15192.3	15510.3	15192.3	11884.5
65°	11972.9	11979.9	12329.8	13863.5	15531.5	16022.7	16436.2	16390.2	16185.3	14983.8	11032.8
67.5°	12287.4	12421.7	12934.1	14853.0	17075.8	17538.8	17998.2	17390.3	16369.0	14008.4	9368.4
70°	12534.8	12669.0	13750.4	16058.1	18895.8	19574.3	19676.8	17786.1	15524.4	11866.8	7067.8
72.5°	12506.5	12750.3	14213.4	17019.3	20510.8	21097.4	20270.5	16673.0	12934.1	8272.9	4124.1
73°	12566.6	12686.7	14174.5	17287.9	21002.0	21295.3	19994.8	16323.1	12199.0	7421.2	3488.0
75°	11407.4	11813.8	13471.2	16849.7	20475.4	20422.4	18411.6	13602.0	8672.2	3897.9	1689.2
77.5°	8439.0	8696.9	10615.8	13856.4	16807.2	16468.0	13888.2	8693.4	4117.0	1445.4	911.7
80°	4124.1	4325.5	5626.0	8000.8	10990.4	11018.7	8619.2	4523.4	1763.4	816.3	622.0
82.5°	2060.3	2180.4	2703.4	3516.2	5406.9	5664.8	4371.4	2572.7	1092.0	462.9	353.4
85°	1346.4	1431.2	1664.5	1721.0	2293.5	2420.7	2035.5	2007.3	710.3	250.9	286.2
87.5°	894.1	908.2	1021.3	869.3	918.8	883.5	982.4	1265.1	208.5	106.0	77.7
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: P480757  
 CATALOG NUMBER: IFLD-L-SA7C-722-U-SL4

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5622.4	5622.4	5622.4	5622.4	5622.4	5622.4	5622.4	5622.4	5622.4	5622.4	5622.4
2.5°	5604.8	5555.3	5502.3	5428.1	5375.1	5293.8	5219.6	5187.8	5180.7	5184.2	5148.9
5°	5459.9	5389.2	5283.2	5131.2	5042.9	4908.6	4795.5	4735.4	4671.8	4682.4	4654.2
7.5°	5258.4	5180.7	5018.1	4841.4	4622.3	4431.5	4325.5	4177.1	4092.3	4028.6	4064.0
10°	5194.8	5060.5	4816.7	4572.9	4233.6	3982.7	3738.9	3569.2	3452.6	3339.5	3389.0
12.5°	5163.0	5028.7	4689.5	4329.0	3890.8	3509.2	3166.4	2957.9	2791.8	2692.8	2731.7
15°	5134.8	4968.7	4569.3	4060.5	3569.2	3067.4	2682.2	2406.6	2247.6	2152.1	2162.7
17.5°	5173.6	4936.9	4392.6	3798.9	3215.9	2678.7	2251.1	1964.9	1802.3	1742.2	1728.1
20°	5134.8	4901.5	4219.5	3537.4	2862.5	2307.6	1897.7	1660.9	1547.8	1498.4	1487.8
22.5°	5148.9	4816.7	4039.3	3247.7	2533.8	1996.7	1660.9	1480.7	1392.4	1367.6	1374.7
25°	5216.0	4767.2	3859.0	2929.6	2208.7	1767.0	1509.0	1371.2	1307.5	1282.8	1289.9
27.5°	5265.5	4809.6	3696.5	2629.2	1933.0	1562.0	1381.8	1289.9	1247.5	1229.8	1226.3
30°	5389.2	4834.4	3537.4	2360.6	1706.9	1427.7	1293.4	1219.2	1190.9	1180.3	1176.8
32.5°	5573.0	4880.3	3353.7	2113.3	1540.8	1300.5	1222.7	1159.1	1152.1	1141.5	1145.0
35°	5873.3	5039.3	3148.7	1901.2	1381.8	1215.7	1148.5	1106.1	1106.1	1106.1	1116.7
37.5°	6304.5	5262.0	2964.9	1699.8	1279.3	1141.5	1084.9	1070.8	1063.7	1074.3	1081.4
40°	6859.3	5530.6	2816.5	1540.8	1190.9	1092.0	1042.5	1035.4	1031.9	1028.4	1035.4
42.5°	7467.1	5873.3	2689.3	1417.1	1127.3	1039.0	1003.6	996.6	982.4	989.5	1000.1
45°	8071.4	6297.4	2576.2	1318.1	1084.9	1010.7	961.2	957.7	950.6	947.1	964.8
47.5°	8742.9	6714.4	2540.9	1258.1	1053.1	968.3	933.0	929.4	908.2	904.7	918.8
50°	9265.9	7021.9	2579.7	1229.8	1007.2	936.5	911.7	894.1	876.4	858.7	858.7
52.5°	9626.4	7233.9	2608.0	1208.6	982.4	894.1	862.3	855.2	837.5	819.9	812.8
55°	9951.5	7361.1	2615.1	1212.1	957.7	844.6	823.4	819.9	809.3	781.0	773.9
57.5°	10061.0	7308.1	2473.7	1180.3	943.6	812.8	784.5	791.6	777.5	752.7	749.2
60°	10050.4	6940.6	2152.1	1137.9	911.7	777.5	742.1	763.3	763.3	735.1	731.5
62.5°	9439.1	6092.4	1759.9	1056.6	876.4	742.1	703.2	735.1	745.7	728.0	724.5
65°	8170.4	4961.6	1470.1	975.4	823.4	703.2	664.4	699.7	717.4	710.3	706.8
67.5°	6760.4	3795.4	1222.7	869.3	756.3	650.2	618.4	643.2	653.8	657.3	660.8
70°	4777.8	2526.7	1021.3	752.7	664.4	593.7	558.4	561.9	558.4	569.0	569.0
72.5°	2597.4	1456.0	830.5	639.6	572.5	515.9	491.2	473.5	473.5	470.0	470.0
73°	2222.8	1307.5	791.6	622.0	547.8	501.8	473.5	459.4	459.4	455.9	452.3
75°	1247.5	957.7	678.5	533.6	473.5	438.2	417.0	395.8	392.3	392.3	392.3
77.5°	819.9	745.7	540.7	427.6	381.7	349.9	342.8	321.6	321.6	321.6	318.1
80°	614.9	586.6	417.0	325.1	293.3	268.6	261.5	247.4	243.8	229.7	233.2
82.5°	409.9	462.9	303.9	229.7	197.9	183.8	183.8	180.2	169.6	152.0	152.0
85°	325.1	378.1	219.1	141.4	116.6	98.9	102.5	98.9	95.4	77.7	74.2
87.5°	60.1	152.0	63.6	38.9	28.3	17.7	17.7	10.6	7.1	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)