

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: P323884

Luminaire Tested: **GAN-SA0B-750-U-SL4-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323884  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)  
Test Lab: INNOVATION CENTER  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GAN-SA0B-750-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV  
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 45907 lumens  
Efficiency: N/A  
Efficacy: 109.6 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

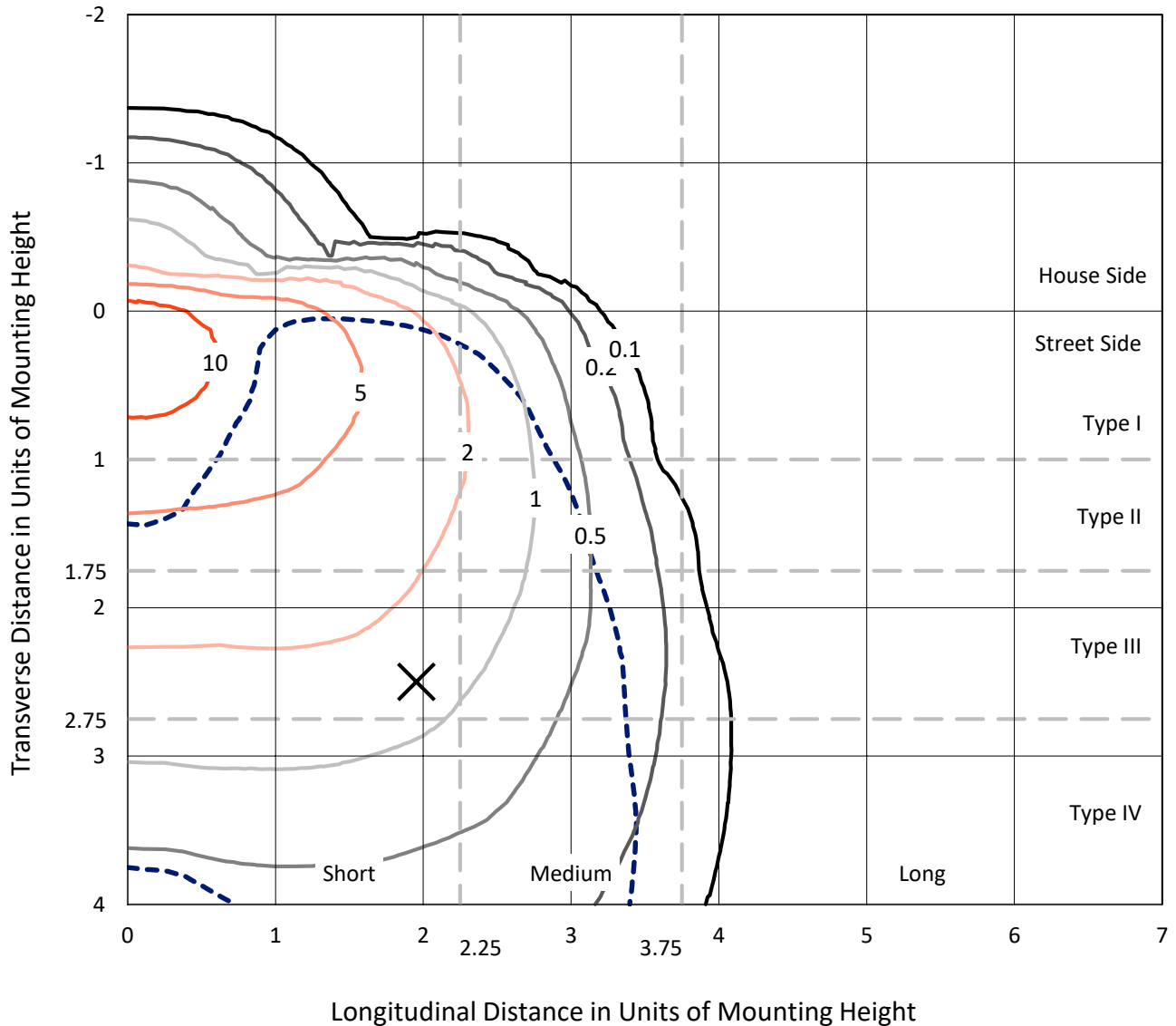
Input Watts (W): 419  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

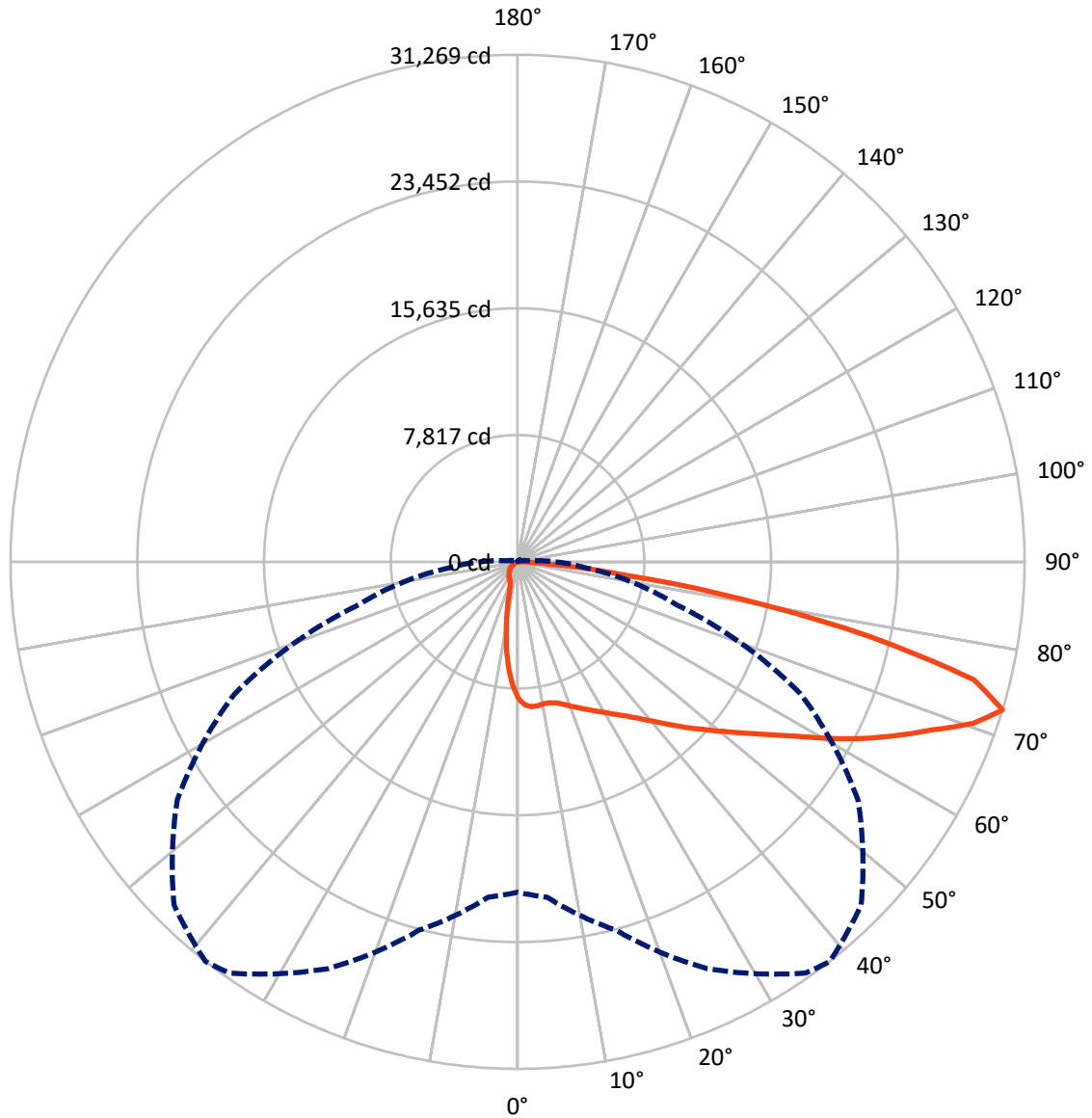
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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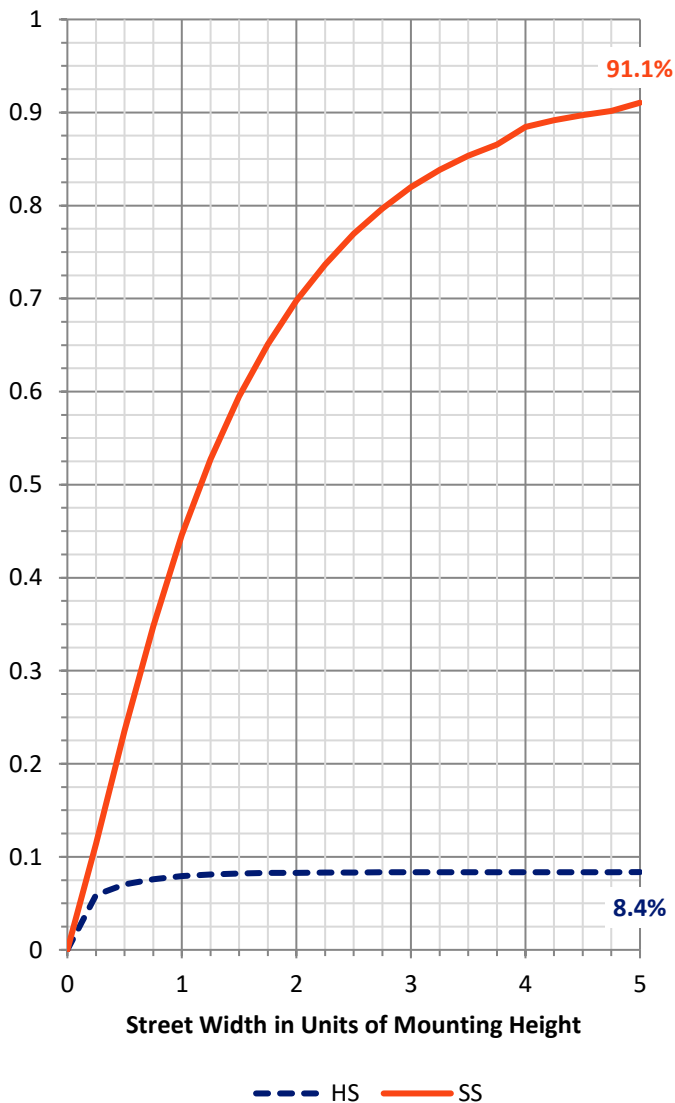
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3863.2	0.0	3863.2
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	42043.8	0.0	42043.8
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	45907.0	0.0	45907.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	719.4	1.6
10°-20°	1759.2	3.8
20°-30°	2797.9	6.1
30°-40°	4206.4	9.2
40°-50°	6417.1	14.0
50°-60°	9069.6	19.8
60°-70°	11376.3	24.8
70°-80°	8506.3	18.5
80°-90°	1054.8	2.3
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°	45907.0	100.0
0°-180°	45907.0	100.0

**Coefficient of Utilization**

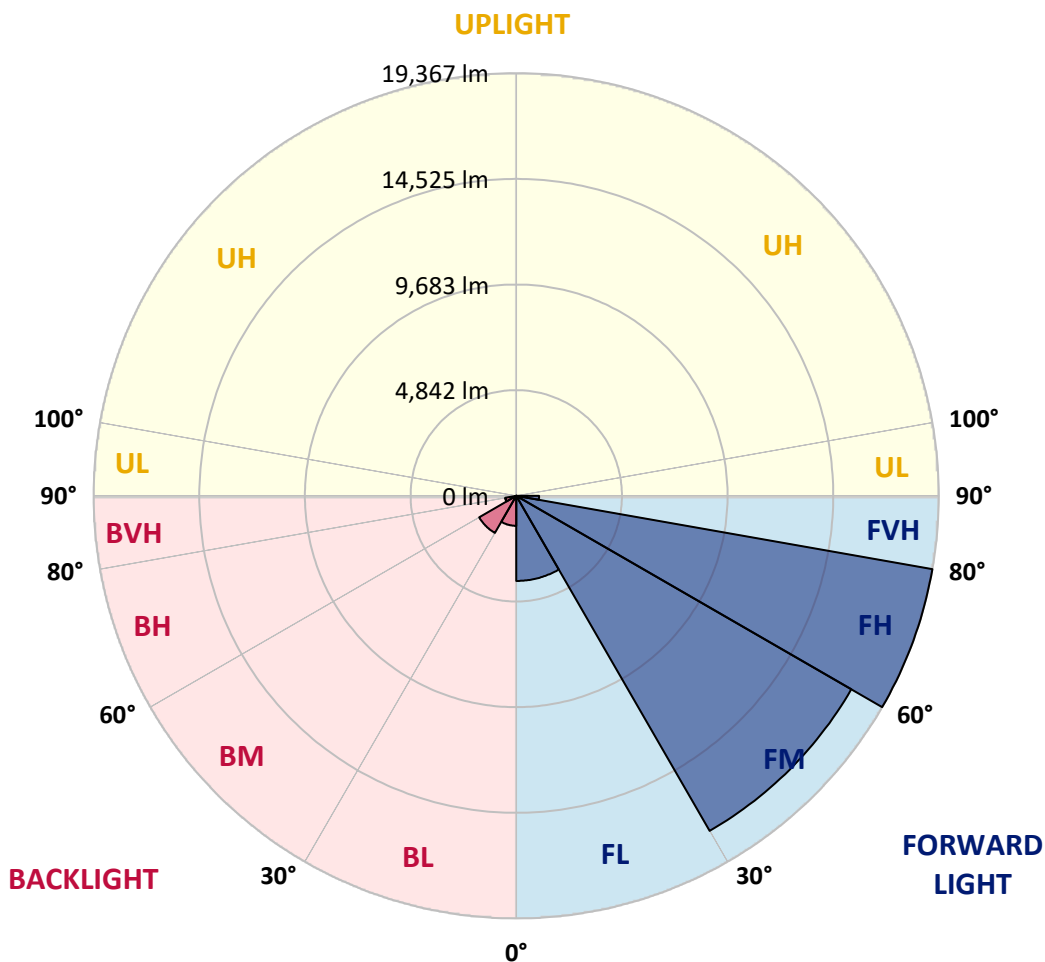


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3901.0	8.5			
FM (30°-60°)	17731.3	38.6			
FH (60°-80°)	19366.5	42.2			G5
FVH (80°-90°)	1044.9	2.3			G5
BL (0°-30°)	1375.6	3.0	B3/2500		
BM (30°-60°)	1961.8	4.3	B2/2500		
BH (60°-80°)	516.0	1.1	B2/1000		G2/1000
BVH (80°-90°)	9.8	0.0			G0/10
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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	8442.1	8442.1	8442.1	8442.1	8442.1	8442.1	8442.1	8442.1	8442.1	8442.1	8442.1
2.5°	8960.7	8962.6	8941.7	8907.3	8863.5	8840.6	8802.5	8741.5	8676.7	8560.4	8434.5
5°	9143.8	9143.8	9117.1	9071.3	9000.8	8979.8	8907.3	8810.1	8676.7	8487.9	8276.3
7.5°	9124.7	9128.5	9092.3	9044.6	8974.1	8955.0	8867.3	8758.6	8592.8	8364.0	8093.2
10°	9025.5	9035.1	9006.5	8983.6	8918.8	8897.8	8815.8	8707.2	8541.3	8297.2	7986.5
12.5°	8924.5	8934.0	8943.6	8964.5	8924.5	8916.9	8852.1	8760.5	8602.3	8348.7	7997.9
15°	8859.7	8878.7	8947.4	9029.4	9038.9	9031.3	8989.3	8903.5	8743.4	8480.3	8079.9
17.5°	8859.7	8890.2	9033.2	9189.5	9244.8	9250.5	9214.3	9094.2	8903.5	8621.4	8156.2
20°	8934.0	8976.0	9199.0	9420.2	9511.7	9511.7	9441.2	9273.4	9050.3	8749.1	8207.6
22.5°	9124.7	9180.0	9460.2	9715.7	9812.9	9792.0	9696.6	9452.6	9202.9	8894.0	8272.5
25°	9500.3	9542.2	9833.9	10091.3	10150.4	10102.7	9982.6	9670.0	9397.3	9090.4	8390.7
27.5°	9984.5	9990.3	10291.5	10508.8	10472.6	10440.2	10289.6	9942.6	9677.6	9370.6	8594.7
30°	10516.5	10516.5	10781.5	10947.3	10836.8	10810.1	10659.4	10272.4	10036.0	9751.9	8884.5
32.5°	11031.2	11054.1	11269.5	11374.4	11250.5	11223.8	11077.0	10690.0	10512.6	10333.4	9336.3
35°	11528.8	11546.0	11750.0	11807.2	11689.0	11696.6	11591.7	11263.8	11197.1	11174.2	10016.9
37.5°	12011.2	12015.0	12222.8	12259.0	12199.9	12264.8	12274.3	11984.5	12108.4	12293.4	10975.9
40°	12451.6	12455.4	12661.3	12754.7	12855.8	12939.7	13014.0	12859.6	13269.5	13698.5	12117.9
42.5°	12804.3	12844.3	13105.5	13282.8	13549.8	13709.9	13912.0	13904.4	14651.7	15296.1	13498.3
45°	13115.1	13183.7	13547.9	13858.6	14316.2	14571.7	14888.1	15136.0	16207.5	17074.9	14895.8
47.5°	13525.0	13589.8	14005.4	14514.5	15124.6	15460.1	15984.4	16520.1	17917.6	18821.3	16260.9
50°	14102.7	14074.1	14484.0	15214.2	15997.8	16438.2	17185.5	17988.2	19614.5	20342.8	17063.5
52.5°	14718.5	14707.0	15010.2	15974.9	17027.3	17542.0	18529.6	19505.8	21236.9	21391.3	17431.5
55°	15481.1	15399.1	15654.6	16842.3	18249.4	18802.3	19965.3	21008.1	22529.5	21982.4	17616.4
57.5°	16279.9	16144.6	16388.6	17809.0	19627.8	20281.7	21555.3	22472.4	23389.4	22386.6	17614.5
60°	17105.5	16945.3	17235.1	19017.7	21339.9	22096.8	23278.8	23461.8	24192.0	22590.6	17484.9
62.5°	17795.6	17700.3	18131.2	20310.3	23252.1	23995.7	24581.0	24361.7	24868.9	22748.8	17181.7
65°	18525.8	18531.5	19227.4	21818.4	25284.5	25785.9	25835.5	25528.5	25435.1	22716.4	16156.0
67.5°	19513.4	19604.9	20766.0	23866.0	27261.6	27648.6	27644.8	26792.6	25848.8	21427.6	13881.5
70°	20558.2	20773.6	22539.1	26209.2	29419.8	29812.5	29610.4	27597.1	24338.9	17326.6	9824.4
72.5°	20382.8	20756.5	23524.8	27686.7	30969.8	31269.1	29955.5	25620.0	19237.0	10070.3	4182.9
75°	15725.1	16157.9	21570.6	26222.5	29343.5	29074.7	25738.2	19936.7	10512.6	2810.2	941.8
77.5°	8306.8	8537.5	14249.5	19976.7	22880.4	22317.9	18131.2	11059.8	3204.9	695.9	423.3
80°	4350.7	4404.1	6209.6	11334.4	14121.7	14125.5	10745.2	4857.9	1321.2	356.5	284.1
82.5°	2329.8	2375.5	3281.2	5237.3	7399.3	6707.2	4114.3	2673.0	768.3	202.1	272.6
85°	560.5	570.1	1860.8	2392.7	2909.4	2078.1	1222.1	2244.0	207.8	118.2	221.2
87.5°	215.4	219.3	690.2	1035.2	741.6	480.4	572.0	837.0	26.7	45.8	34.3
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°	8442.1	8442.1	8442.1	8442.1	8442.1	8442.1	8442.1	8442.1	8442.1	8442.1	8442.1
2.5°	8358.3	8308.7	8186.7	8032.2	7895.0	7795.8	7647.1	7549.9	7485.1	7483.2	7458.4
5°	8146.6	8045.6	7782.5	7469.8	7185.7	6930.3	6629.0	6390.7	6213.4	6184.8	6123.8
7.5°	7919.8	7753.9	7349.7	6861.6	6385.0	5900.7	5338.3	4989.4	4690.1	4547.1	4531.8
10°	7780.6	7548.0	6974.1	6268.7	5521.3	4733.9	3998.0	3489.0	3121.0	3016.1	2938.0
12.5°	7752.0	7445.0	6684.3	5712.0	4644.3	3603.4	2789.3	2247.8	1954.2	1860.8	1836.0
15°	7780.6	7397.4	6440.3	5161.0	3755.9	2556.7	1872.2	1557.6	1447.1	1420.4	1418.5
17.5°	7797.7	7340.2	6163.8	4549.0	2894.1	1826.5	1433.7	1342.2	1325.0	1323.1	1326.9
20°	7795.8	7252.5	5834.0	3866.5	2152.5	1435.6	1296.4	1277.4	1273.6	1275.5	1273.6
22.5°	7782.5	7149.5	5471.8	3162.9	1626.3	1283.1	1237.3	1225.9	1224.0	1224.0	1224.0
25°	7807.3	7067.5	5073.3	2489.9	1340.3	1212.6	1184.0	1174.4	1172.5	1172.5	1168.7
27.5°	7896.9	7021.8	4636.7	1916.1	1210.7	1149.6	1126.8	1124.9	1119.1	1117.2	1121.0
30°	8041.8	7021.8	4158.2	1490.9	1132.5	1084.8	1067.7	1063.8	1061.9	1060.0	1061.9
32.5°	8297.2	7075.2	3635.8	1239.2	1058.1	1012.4	1000.9	1006.7	1000.9	1000.9	1000.9
35°	8758.6	7235.3	3088.6	1081.0	980.0	941.8	930.4	938.0	934.2	934.2	932.3
37.5°	9431.6	7532.7	2537.6	985.7	911.3	871.3	856.0	867.5	863.7	863.7	861.8
40°	10251.4	7965.5	2013.3	913.2	844.6	802.7	789.3	795.0	785.5	785.5	789.3
42.5°	11263.8	8514.6	1555.7	842.7	777.9	737.8	730.2	724.5	707.3	697.8	699.7
45°	12388.7	9086.6	1212.6	774.1	715.0	682.5	671.1	655.8	627.3	608.2	610.1
47.5°	13393.4	9527.0	985.7	707.3	657.8	633.0	615.8	587.2	545.3	522.4	524.3
50°	13921.5	9593.7	838.9	640.6	604.4	579.6	554.8	511.0	461.4	436.6	434.7
52.5°	14056.9	9281.0	730.2	579.6	551.0	522.4	490.0	430.9	375.6	348.9	345.1
55°	14106.5	8804.4	633.0	522.4	493.8	461.4	419.4	352.7	301.2	274.5	272.6
57.5°	13942.5	8093.2	556.7	470.9	436.6	396.6	345.1	282.2	232.6	211.6	211.6
60°	13578.4	7130.4	497.6	415.6	377.5	331.7	278.4	219.3	173.5	156.3	156.3
62.5°	12852.0	5883.6	442.3	358.4	322.2	274.5	225.0	165.9	122.0	112.5	114.4
65°	11481.2	4463.2	387.0	307.0	274.5	226.9	175.4	118.2	82.0	82.0	85.8
67.5°	9363.0	3100.0	329.8	261.2	236.4	184.9	133.5	82.0	57.2	64.8	72.4
70°	6198.2	1738.8	282.2	215.4	202.1	146.8	99.1	55.3	45.8	61.0	74.4
72.5°	2339.3	676.8	236.4	173.5	175.4	112.5	70.5	41.9	41.9	66.7	87.7
75°	652.0	331.7	169.7	127.7	137.3	82.0	51.5	36.2	40.0	76.3	103.0
77.5°	383.2	244.0	110.6	74.4	93.4	57.2	34.3	28.6	34.3	64.8	99.1
80°	308.9	129.6	64.8	38.1	51.5	32.4	22.9	17.2	9.5	24.8	51.5
82.5°	308.9	78.2	30.5	26.7	26.7	17.2	11.4	7.6	1.9	0.0	13.3
85°	207.8	32.4	19.1	17.2	13.3	5.7	3.8	1.9	0.0	0.0	0.0
87.5°	34.3	13.3	7.6	3.8	1.9	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)