

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: P323804

Luminaire Tested: **GAN-SA0B-730-U-SL4-HSS**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P323804  
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-730-U-SL4-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(10) 70 CRI, 3000K, 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: 41808 lumens  
Efficiency: N/A  
Efficacy: 99.8 lumens/watt  
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B3 - U0 - G5

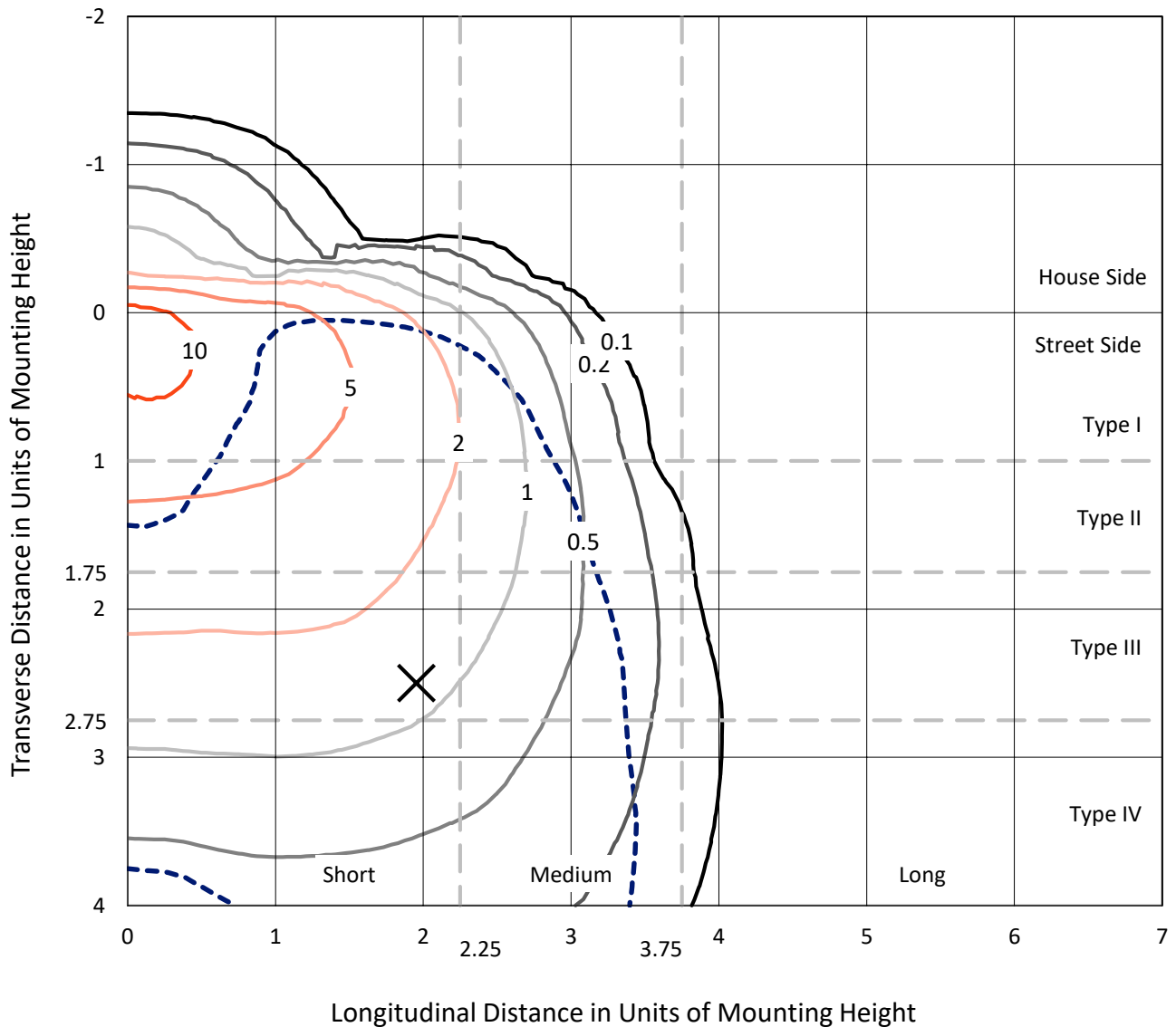
Input Watts (W): 419  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

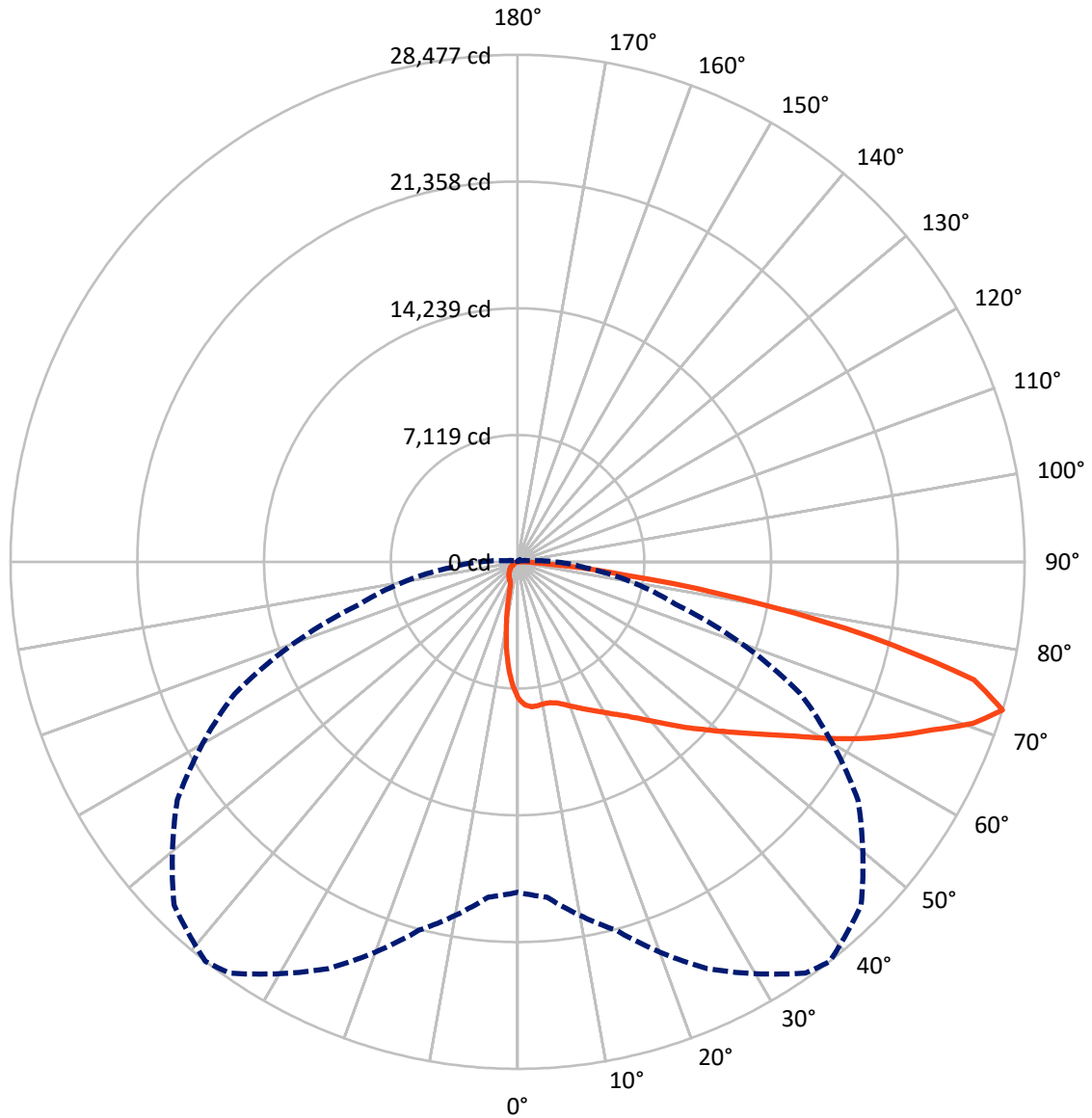
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13 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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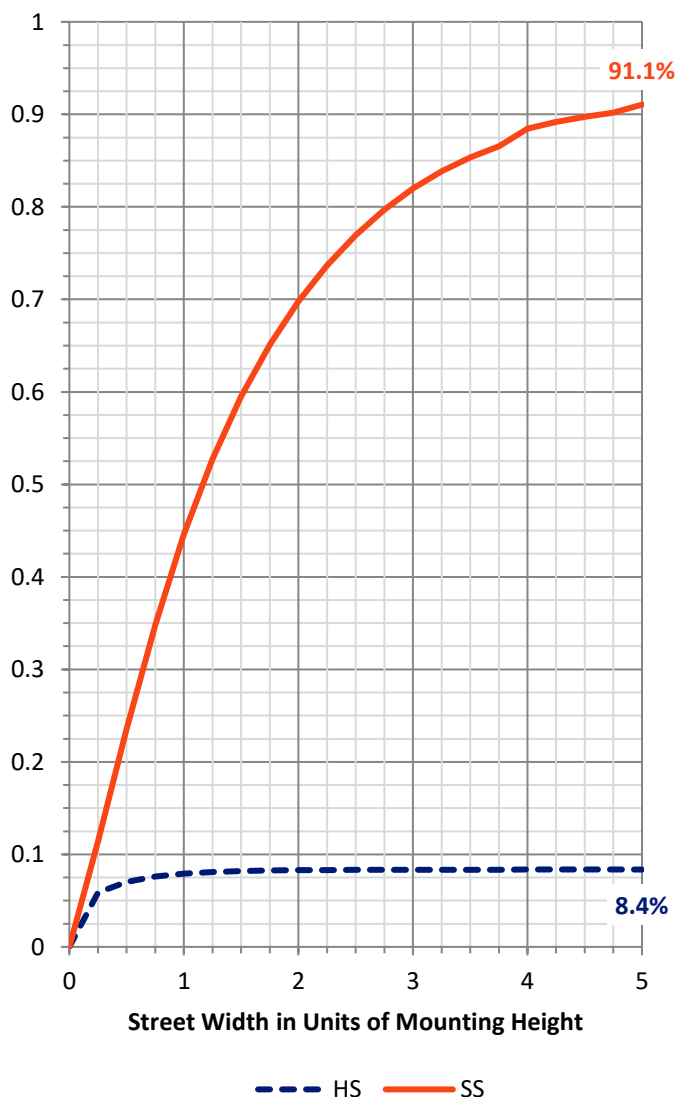
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3518.3	0.0	3518.3
	% Fixture	8.4	0.0	8.4
<b>Street Side</b>	Lumens	38289.7	0.0	38289.7
	% Fixture	91.6	0.0	91.6
<b>Total</b>	Lumens	41808.0	0.0	41808.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	655.2	1.6
10°-20°	1602.1	3.8
20°-30°	2548.1	6.1
30°-40°	3830.8	9.2
40°-50°	5844.2	14.0
50°-60°	8259.8	19.8
60°-70°	10360.5	24.8
70°-80°	7746.8	18.5
80°-90°	960.6	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°	41808.0	100.0
0°-180°	41808.0	100.0

**Coefficient of Utilization**

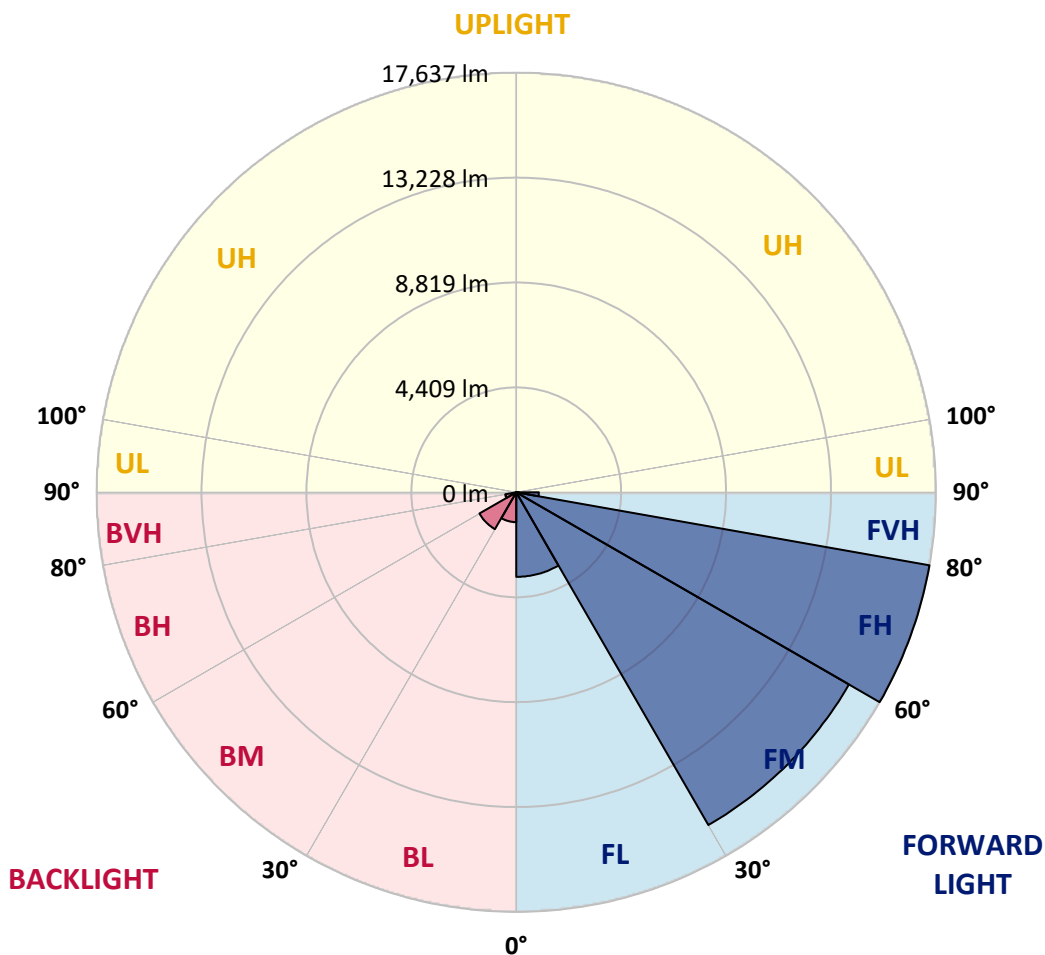


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3552.7	8.5			
FM (30°-60°)	16148.1	38.6			
FH (60°-80°)	17637.3	42.2			G5
FVH (80°-90°)	951.6	2.3			G5
BL (0°-30°)	1252.7	3.0	B3/2500		
BM (30°-60°)	1786.6	4.3	B2/2500		
BH (60°-80°)	470.0	1.1	B1/500		G1/500
BVH (80°-90°)	9.0	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°	7688.4	7688.4	7688.4	7688.4	7688.4	7688.4	7688.4	7688.4	7688.4	7688.4	7688.4
2.5°	8160.6	8162.4	8143.3	8112.0	8072.1	8051.2	8016.5	7961.0	7901.9	7796.0	7681.4
5°	8327.3	8327.3	8303.0	8261.3	8197.1	8178.0	8112.0	8023.5	7901.9	7730.0	7537.3
7.5°	8310.0	8313.4	8280.4	8237.0	8172.8	8155.4	8075.5	7976.6	7825.5	7617.2	7370.6
10°	8219.7	8228.3	8202.3	8181.5	8122.4	8103.3	8028.7	7929.7	7778.6	7556.4	7273.4
12.5°	8127.6	8136.3	8145.0	8164.1	8127.6	8120.7	8061.7	7978.3	7834.2	7603.3	7283.8
15°	8068.6	8086.0	8148.5	8223.1	8231.8	8224.9	8186.7	8108.5	7962.7	7723.1	7358.5
17.5°	8068.6	8096.4	8226.6	8369.0	8419.3	8424.5	8391.6	8282.2	8108.5	7851.6	7427.9
20°	8136.3	8174.5	8377.7	8579.1	8662.4	8662.4	8598.2	8445.4	8242.2	7967.9	7474.8
22.5°	8310.0	8360.3	8615.5	8848.2	8936.8	8917.7	8830.8	8608.6	8381.1	8099.9	7533.8
25°	8652.0	8690.2	8955.9	9190.3	9244.1	9200.7	9091.3	8806.5	8558.2	8278.7	7641.5
27.5°	9093.0	9098.2	9372.6	9570.5	9537.5	9508.0	9370.8	9054.8	8813.5	8533.9	7827.3
30°	9577.5	9577.5	9818.8	9969.9	9869.2	9844.8	9707.7	9355.2	9139.9	8881.2	8091.2
32.5°	10046.3	10067.1	10263.3	10358.8	10245.9	10221.6	10087.9	9735.5	9574.0	9410.8	8502.7
35°	10499.4	10515.1	10700.8	10752.9	10645.3	10652.2	10556.7	10258.1	10197.3	10176.5	9122.5
37.5°	10938.7	10942.2	11131.4	11164.4	11110.6	11169.6	11178.3	10914.4	11027.3	11195.7	9995.9
40°	11339.8	11343.3	11530.8	11615.9	11707.9	11784.3	11852.0	11711.4	12084.7	12475.3	11035.9
42.5°	11661.0	11697.5	11935.4	12096.8	12339.9	12485.8	12669.8	12662.9	13343.5	13930.4	12293.0
45°	11944.0	12006.5	12338.2	12621.2	13037.9	13270.6	13558.8	13784.5	14760.3	15550.3	13565.7
47.5°	12317.3	12376.4	12754.9	13218.5	13774.1	14079.7	14557.2	15045.1	16317.8	17140.8	14808.9
50°	12843.4	12817.4	13190.7	13855.7	14569.3	14970.4	15651.0	16382.0	17863.1	18526.4	15539.9
52.5°	13404.3	13393.8	13669.9	14548.5	15506.9	15975.7	16875.1	17764.1	19340.7	19481.3	15875.0
55°	14098.8	14024.1	14256.8	15338.5	16619.9	17123.4	18182.6	19132.3	20517.9	20019.6	16043.4
57.5°	14826.3	14703.0	14925.3	16218.8	17875.2	18470.8	19630.7	20465.8	21301.0	20387.7	16041.7
60°	15578.1	15432.3	15696.2	17319.6	19434.4	20123.8	21200.3	21367.0	22032.0	20573.5	15923.6
62.5°	16206.7	16119.8	16512.2	18496.8	21176.0	21853.1	22386.2	22186.5	22648.3	20717.6	15647.6
65°	16871.7	16876.9	17510.6	19870.3	23026.9	23483.5	23528.7	23249.1	23164.0	20688.1	14713.4
67.5°	17771.1	17854.4	18911.8	21735.1	24827.4	25179.9	25176.4	24400.3	23540.8	19514.3	12642.0
70°	18722.6	18918.8	20526.6	23869.0	26792.9	27150.6	26966.5	25133.0	22165.7	15779.5	8947.2
72.5°	18562.8	18903.1	21424.3	25214.6	28204.5	28477.1	27280.8	23332.5	17519.3	9171.2	3809.5
75°	14321.0	14715.2	19644.5	23881.1	26723.5	26478.6	23440.1	18156.5	9574.0	2559.3	857.7
77.5°	7565.1	7775.2	12977.1	18193.0	20837.4	20325.2	16512.2	10072.3	2918.7	633.8	385.5
80°	3962.2	4010.9	5655.1	10322.3	12860.8	12864.3	9785.8	4424.1	1203.3	324.7	258.7
82.5°	2121.8	2163.4	2988.2	4769.6	6738.6	6108.3	3746.9	2434.3	699.7	184.0	248.3
85°	510.5	519.2	1694.6	2179.1	2649.6	1892.6	1113.0	2043.6	189.3	107.7	201.4
87.5°	196.2	199.7	628.5	942.8	675.4	437.5	520.9	762.2	24.3	41.7	31.3
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°	7688.4	7688.4	7688.4	7688.4	7688.4	7688.4	7688.4	7688.4	7688.4	7688.4	7688.4
2.5°	7612.0	7566.8	7455.7	7315.0	7190.0	7099.7	6964.3	6875.8	6816.7	6815.0	6792.4
5°	7419.2	7327.2	7087.6	6802.8	6544.1	6311.5	6037.1	5820.1	5658.6	5632.6	5577.0
7.5°	7212.6	7061.5	6693.5	6249.0	5814.9	5373.9	4861.7	4543.9	4271.3	4141.1	4127.2
10°	7085.9	6874.0	6351.4	5709.0	5028.3	4311.2	3641.0	3177.4	2842.3	2746.8	2675.6
12.5°	7059.8	6780.3	6087.5	5202.0	4229.6	3281.6	2540.2	2047.1	1779.7	1694.6	1672.1
15°	7085.9	6736.9	5865.2	4700.2	3420.5	2328.4	1705.1	1418.6	1317.9	1293.5	1291.8
17.5°	7101.5	6684.8	5613.5	4142.8	2635.7	1663.4	1305.7	1222.4	1206.7	1205.0	1208.5
20°	7099.7	6604.9	5313.1	3521.2	1960.3	1307.4	1180.7	1163.3	1159.9	1161.6	1159.9
22.5°	7087.6	6511.1	4983.2	2880.5	1481.1	1168.5	1126.9	1116.4	1114.7	1114.7	1114.7
25°	7110.2	6436.5	4620.3	2267.6	1220.6	1104.3	1078.2	1069.6	1067.8	1067.8	1064.4
27.5°	7191.8	6394.8	4222.7	1745.0	1102.6	1047.0	1026.2	1024.4	1019.2	1017.5	1020.9
30°	7323.7	6394.8	3786.9	1357.8	1031.4	988.0	972.3	968.9	967.1	965.4	967.1
32.5°	7556.4	6443.4	3311.1	1128.6	963.6	922.0	911.6	916.8	911.6	911.6	911.6
35°	7976.6	6589.3	2812.8	984.5	892.5	857.7	847.3	854.3	850.8	850.8	849.1
37.5°	8589.5	6860.1	2311.0	897.7	830.0	793.5	779.6	790.0	786.5	786.5	784.8
40°	9336.1	7254.3	1833.5	831.7	769.2	731.0	718.8	724.0	715.4	715.4	718.8
42.5°	10258.1	7754.3	1416.8	767.4	708.4	671.9	665.0	659.8	644.2	635.5	637.2
45°	11282.5	8275.2	1104.3	704.9	651.1	621.6	611.2	597.3	571.2	553.9	555.6
47.5°	12197.5	8676.3	897.7	644.2	599.0	576.5	560.8	534.8	496.6	475.7	477.5
50°	12678.5	8737.1	764.0	583.4	550.4	527.8	505.3	465.3	420.2	397.6	395.9
52.5°	12801.8	8452.3	665.0	527.8	501.8	475.7	446.2	392.4	342.1	317.7	314.3
55°	12846.9	8018.3	576.5	475.7	449.7	420.2	382.0	321.2	274.3	250.0	248.3
57.5°	12697.6	7370.6	507.0	428.9	397.6	361.2	314.3	257.0	211.8	192.7	192.7
60°	12366.0	6493.8	453.2	378.5	343.8	302.1	253.5	199.7	158.0	142.4	142.4
62.5°	11704.4	5358.2	402.8	326.4	293.4	250.0	204.9	151.1	111.1	102.4	104.2
65°	10456.0	4064.7	352.5	279.5	250.0	206.6	159.7	107.7	74.7	74.7	78.1
67.5°	8527.0	2823.2	300.4	237.9	215.3	168.4	121.5	74.7	52.1	59.0	66.0
70°	5644.7	1583.5	257.0	196.2	184.0	133.7	90.3	50.4	41.7	55.6	67.7
72.5°	2130.4	616.4	215.3	158.0	159.7	102.4	64.2	38.2	38.2	60.8	79.9
75°	593.8	302.1	154.5	116.3	125.0	74.7	46.9	33.0	36.5	69.5	93.8
77.5°	349.0	222.2	100.7	67.7	85.1	52.1	31.3	26.0	31.3	59.0	90.3
80°	281.3	118.1	59.0	34.7	46.9	29.5	20.8	15.6	8.7	22.6	46.9
82.5°	281.3	71.2	27.8	24.3	24.3	15.6	10.4	6.9	1.7	0.0	12.2
85°	189.3	29.5	17.4	15.6	12.2	5.2	3.5	1.7	0.0	0.0	0.0
87.5°	31.3	12.2	6.9	3.5	1.7	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)