

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: P319334

Luminaire Tested: **GAN-SA0C-730-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319334
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-20)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0C-730-U-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 62458 lumens
Efficiency: N/A
Efficacy: 111.9 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G5

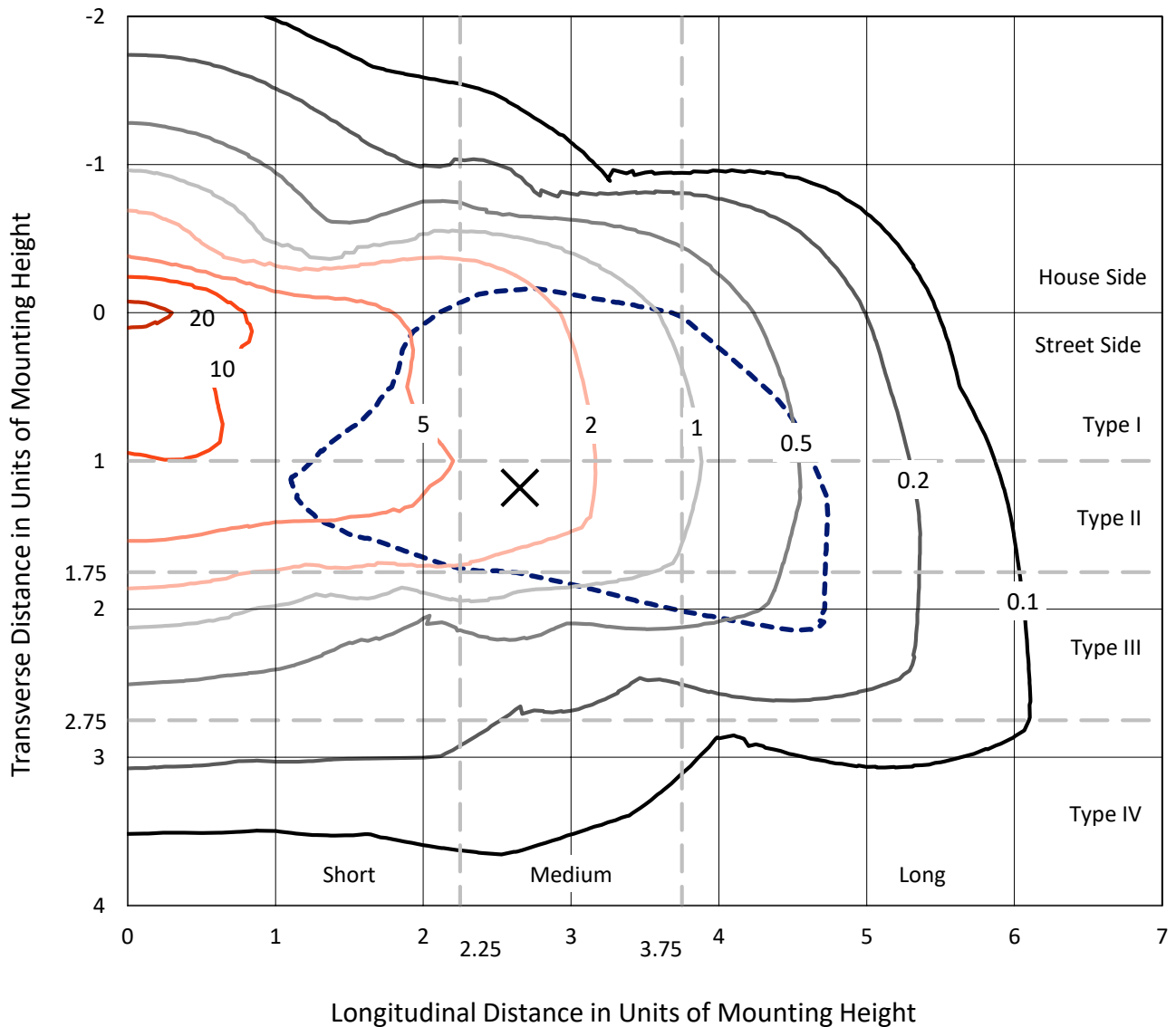
Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P319334
 CATALOG NUMBER: GAN-SAOC-730-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

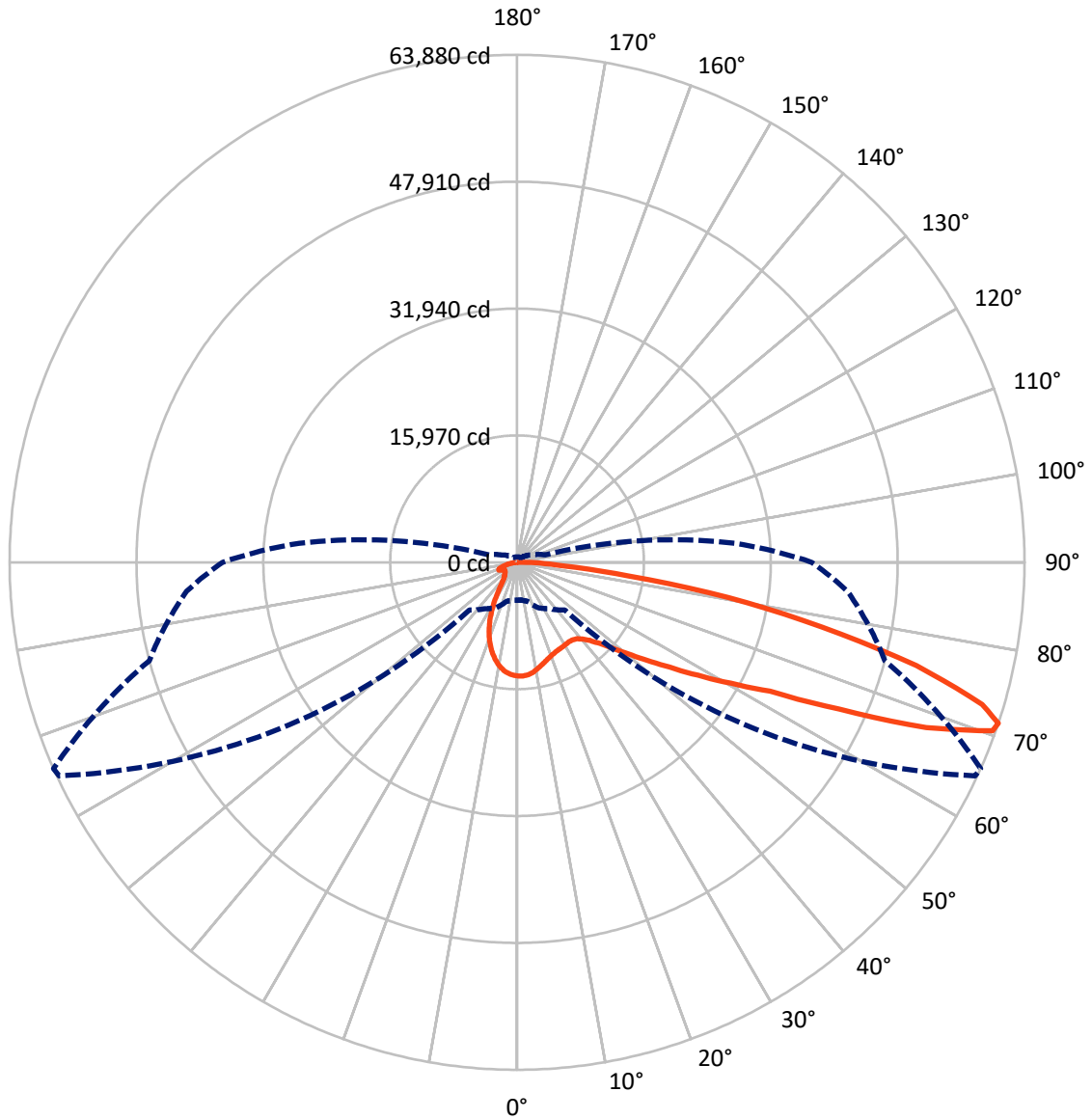
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 22.9 fc
 Type III - Medium - N/A

REPORT NUMBER: P319334
CATALOG NUMBER: GAN-SA0C-730-U-SL2

Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P319334
 CATALOG NUMBER: GAN-SAOC-730-U-SL2

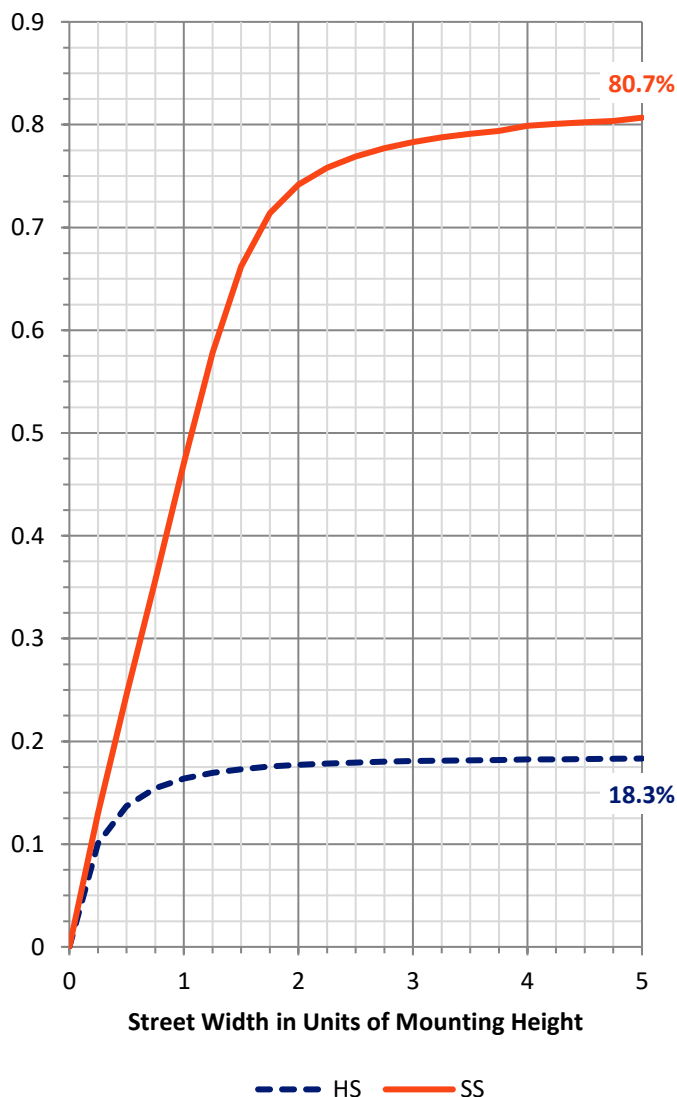
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11575.2	0.0	11575.2
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	50882.8	0.0	50882.8
	% Fixture	81.5	0.0	81.5
Total	Lumens	62458.0	0.0	62458.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1259.4	2.0
10°-20°	3020.7	4.8
20°-30°	4057.5	6.5
30°-40°	5337.6	8.5
40°-50°	7764.8	12.4
50°-60°	12129.5	19.4
60°-70°	15194.1	24.3
70°-80°	11589.7	18.6
80°-90°	2104.6	3.4
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°	62458.0	100.0
0°-180°	62458.0	100.0

Coefficient of Utilization

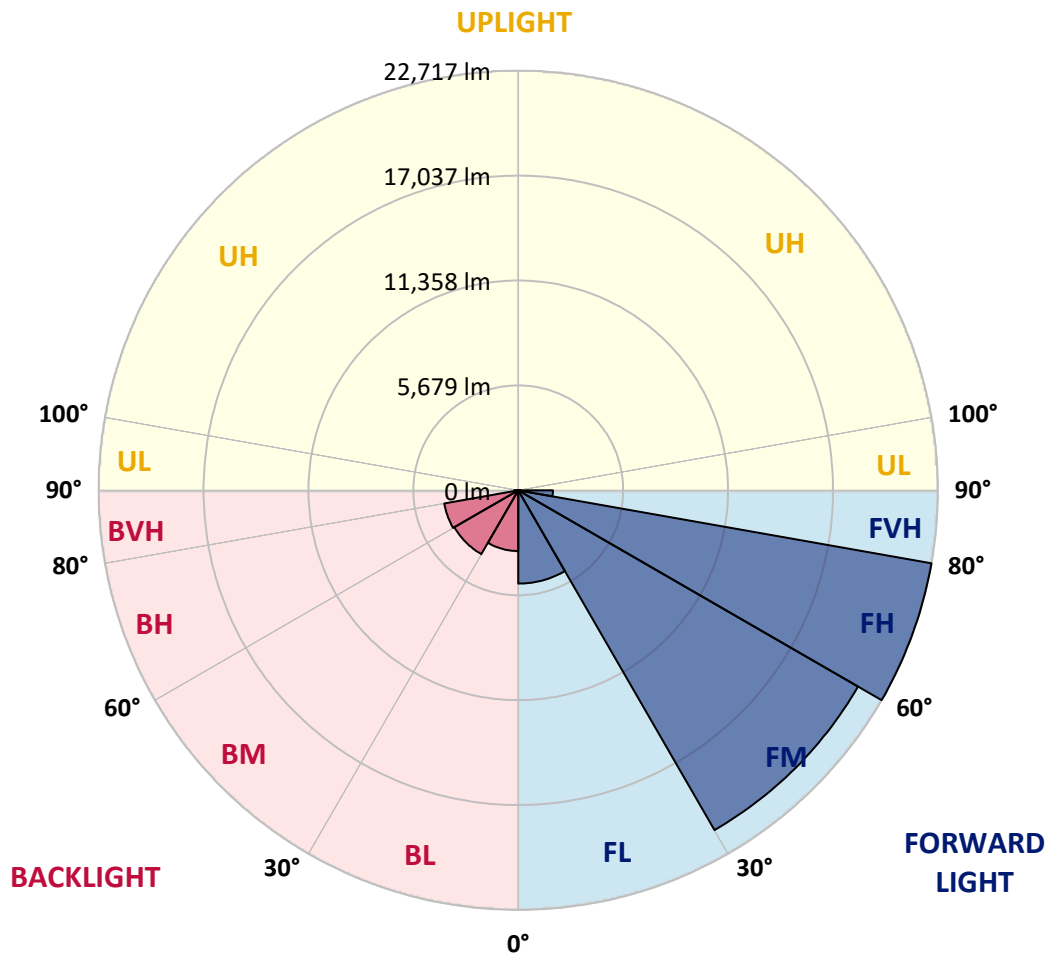


REPORT NUMBER: P319334
 CATALOG NUMBER: GAN-SAOC-730-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5050.6	8.1			
FM (30°-60°)	21238.8	34.0			
FH (60°-80°)	22716.6	36.4			G5
FVH (80°-90°)	1876.8	3.0			G5
BL (0°-30°)	3287.0	5.3	B4/5000		
BM (30°-60°)	3993.1	6.4	B3/5000		
BH (60°-80°)	4067.3	6.5	B4/5000		G4/5000
BVH (80°-90°)	227.8	0.4			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type III Medium





REPORT NUMBER: P319334

CATALOG NUMBER: GAN-SAOC-730-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	14307.9	14307.9	14307.9	14307.9	14307.9	14307.9	14307.9	14307.9	14307.9	14307.9	14307.9
2.5°	14042.7	14021.1	14085.8	14152.7	14178.5	14221.7	14286.4	14323.0	14320.9	14327.3	14305.8
5°	13111.1	13083.1	13212.5	13318.1	13520.8	13749.4	14027.6	14226.0	14230.3	14342.4	14372.6
7.5°	12229.1	12209.7	12358.5	12528.9	12763.9	13113.3	13563.9	13990.9	14016.8	14320.9	14426.5
10°	11521.8	11517.5	11662.0	11847.4	12121.3	12511.6	13029.2	13654.5	13693.3	14217.3	14435.1
12.5°	10969.8	10978.4	11103.5	11314.8	11603.8	12011.3	12572.0	13277.1	13339.7	14053.5	14385.6
15°	10562.2	10596.7	10698.1	10911.5	11196.2	11610.2	12186.0	12927.8	13022.7	13870.2	14357.5
17.5°	10329.3	10368.1	10439.3	10616.1	10883.5	11282.4	11828.0	12641.0	12727.3	13730.0	14359.7
20°	10260.3	10292.6	10333.6	10441.4	10667.9	11030.1	11545.5	12382.2	12475.0	13617.9	14381.2
22.5°	10396.2	10419.9	10424.2	10415.6	10553.6	10849.0	11340.7	12192.5	12291.7	13544.5	14396.3
25°	10687.3	10719.6	10695.9	10616.1	10570.8	10752.0	11235.0	12067.4	12166.6	13490.6	14366.1
27.5°	11125.0	11129.3	11109.9	11006.4	10792.9	10762.7	11202.7	11994.1	12089.0	13428.1	14303.6
30°	11720.2	11748.2	11713.7	11573.6	11224.2	10935.3	11241.5	11922.9	12009.2	13348.3	14202.3
32.5°	12416.7	12485.7	12483.6	12336.9	11836.6	11321.3	11401.0	11879.8	11946.6	13264.2	14079.3
35°	13139.1	13234.0	13410.8	13348.3	12729.4	11931.5	11707.3	11948.8	11994.1	13253.4	13993.1
37.5°	13889.6	13984.5	14348.9	14517.1	13792.5	12804.9	12190.3	12192.5	12214.0	13385.0	13986.6
40°	14674.5	14775.9	15323.6	15761.4	15170.5	13911.1	12968.8	12701.4	12677.7	13708.4	14113.8
42.5°	15774.3	15864.9	16522.6	17081.1	16699.4	15327.9	14044.8	13486.3	13436.7	14342.4	14521.4
45°	17165.2	17242.8	17941.5	18538.8	18342.6	16945.2	15396.9	14566.7	14558.1	15399.1	15347.3
47.5°	18819.2	18879.6	19507.1	20085.0	20156.2	18806.2	17096.2	16233.6	16093.4	16848.2	16626.1
50°	20542.2	20609.0	21036.0	21657.0	22185.4	21296.9	19282.8	18275.8	18088.1	18760.9	18437.5
52.5°	21682.9	21771.3	22142.2	22929.3	24466.9	24027.0	21868.4	20751.3	20466.7	21079.1	20831.1
55°	21174.0	21372.4	21939.5	23201.0	26291.2	28197.5	25057.7	23638.8	23317.5	23826.4	23679.8
57.5°	18860.1	19131.9	19906.0	21853.3	26547.8	31872.0	29879.5	27039.5	26813.1	26666.4	26733.3
60°	14631.4	14892.3	15851.9	18390.0	24760.1	34554.6	37135.9	31231.6	30903.8	29517.2	29577.6
62.5°	10355.2	10223.6	10881.4	12738.0	20119.5	34869.5	45392.9	36838.3	35760.1	32527.6	32262.4
65°	7896.8	7866.7	8162.1	8753.0	12186.0	31102.2	50311.7	46261.9	44577.7	36068.5	35443.1
67.5°	6488.7	6434.8	6725.9	7586.3	7847.3	20065.6	50419.5	57195.0	55541.0	40476.2	39122.0
70°	5335.0	5274.6	5546.3	6656.9	7252.1	10176.2	42434.2	63597.5	63509.0	46057.0	41899.5
71°	4783.0	4739.8	5065.5	6298.9	7124.8	8481.2	36637.8	63614.7	63880.0	47946.1	41735.6
72.5°	3894.5	3909.6	4254.6	5606.7	7030.0	7489.3	26927.4	60649.6	61210.3	49746.7	40245.5
75°	2587.7	2600.7	3053.5	4312.9	6816.5	7327.6	14799.6	50891.8	51922.5	48668.5	36724.0
77.5°	1738.1	1733.8	2042.1	2958.6	5938.8	7327.6	8677.5	38063.2	39195.3	38725.2	28311.8
80°	1196.8	1188.2	1406.0	2042.1	4496.2	7416.0	6708.7	26675.0	27017.9	20913.1	11506.7
82.5°	733.2	739.7	918.6	1442.7	3060.0	6674.2	6333.4	14545.1	14172.1	5865.5	2874.5
85°	420.5	418.3	586.5	976.9	1964.5	5632.6	6176.0	6260.1	5742.6	1766.1	1039.4
87.5°	151.0	161.7	314.8	541.3	1125.7	3922.5	5240.1	3256.2	2934.9	797.9	470.1
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: P319334
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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	14307.9	14307.9	14307.9	14307.9	14307.9	14307.9	14307.9	14307.9	14307.9	14307.9	14307.9
2.5°	14290.7	14303.6	14288.5	14202.3	14128.9	14010.3	13943.5	13850.8	13822.7	13809.8	13844.3
5°	14344.6	14348.9	14221.7	13995.2	13740.8	13441.0	13225.4	12960.1	12835.1	12781.2	12815.7
7.5°	14394.2	14374.8	14096.6	13663.1	13193.0	12671.2	12207.6	11782.7	11534.7	11433.4	11442.0
10°	14400.6	14318.7	13872.3	13201.7	12472.8	11707.3	10995.6	10340.1	9926.1	9656.5	9738.4
12.5°	14333.8	14195.8	13542.4	12604.3	11593.0	10549.3	9587.5	8604.2	8013.3	7739.4	7748.1
15°	14282.0	14031.9	13137.0	11901.3	10542.8	9160.5	7847.3	6691.4	6061.7	5781.4	5649.8
17.5°	14238.9	13855.1	12666.9	11109.9	9302.8	7549.7	5971.2	4940.4	4595.4	4513.4	4478.9
20°	14178.5	13667.5	12142.9	10193.4	7890.4	5746.9	4360.3	3851.4	3853.5	3948.4	3961.4
22.5°	14094.4	13454.0	11584.3	9164.8	6374.4	4185.6	3417.9	3271.3	3420.1	3601.2	3633.6
25°	13969.4	13201.7	10963.3	8028.4	4860.6	3217.4	2919.8	2913.3	3094.5	3284.2	3312.3
27.5°	13792.5	12871.7	10273.2	6807.9	3581.8	2734.4	2615.8	2661.0	2794.7	2932.7	2943.5
30°	13555.3	12487.9	9512.0	5520.5	2807.7	2434.6	2421.7	2462.6	2544.6	2641.6	2650.3
32.5°	13294.4	12097.6	8699.0	4274.0	2404.4	2272.9	2285.8	2305.2	2344.0	2382.9	2391.5
35°	13057.2	11698.6	7866.7	3247.6	2212.5	2167.2	2158.6	2154.3	2158.6	2145.6	2147.8
37.5°	12904.1	11368.7	6999.8	2585.6	2102.5	2074.5	2048.6	2016.3	1979.6	1958.0	1962.4
40°	12848.0	11122.9	6122.1	2234.1	2011.9	1992.5	1942.9	1873.9	1830.8	1817.9	1817.9
42.5°	12999.0	10995.6	5274.6	2057.2	1936.5	1904.1	1822.2	1742.4	1710.0	1707.9	1705.7
45°	13460.4	11047.4	4468.1	1960.2	1867.5	1804.9	1697.1	1630.3	1608.7	1613.0	1610.9
47.5°	14288.5	11373.0	3778.1	1895.5	1798.5	1716.5	1595.8	1541.8	1516.0	1516.0	1518.1
50°	15696.7	12134.2	3228.2	1841.6	1740.2	1634.6	1522.4	1455.6	1421.1	1418.9	1418.9
52.5°	17747.4	13497.1	2885.3	1796.3	1675.5	1561.3	1449.1	1365.0	1324.0	1315.4	1311.1
55°	20317.9	15450.8	2790.4	1766.1	1589.3	1481.5	1360.7	1276.6	1231.3	1211.9	1209.8
57.5°	23192.4	17827.2	2978.0	1729.5	1500.9	1386.6	1263.7	1183.9	1136.4	1112.7	1110.6
60°	26101.4	20421.4	3743.6	1677.7	1427.6	1283.1	1164.5	1091.2	1043.7	1017.8	1013.5
62.5°	29014.8	23155.8	5307.0	1673.4	1375.8	1183.9	1063.1	1000.6	955.3	927.3	920.8
65°	32301.2	26148.9	7083.9	1787.7	1358.6	1093.3	959.6	910.0	871.2	845.3	843.2
67.5°	36074.9	29528.0	6913.5	2022.7	1416.8	1011.4	862.6	823.8	795.7	774.2	772.0
70°	37845.4	28999.7	4297.8	2188.8	1498.7	931.6	769.8	741.8	720.2	705.2	698.7
71°	37103.5	27535.5	3603.4	2169.4	1490.1	897.1	733.2	711.6	690.1	677.1	670.6
72.5°	35080.8	25111.6	3006.1	2018.4	1393.1	834.5	685.7	664.2	644.8	629.7	625.4
75°	31479.6	22426.9	2406.6	1613.0	1110.6	705.2	601.6	577.9	562.8	554.2	545.6
77.5°	23140.7	16005.0	1861.0	1274.5	817.3	575.8	513.2	496.0	480.9	467.9	461.5
80°	8865.1	6199.7	1252.9	951.0	599.5	455.0	414.0	405.4	390.3	381.7	381.7
82.5°	2387.2	1852.4	668.5	575.8	401.1	332.1	317.0	312.7	299.7	282.5	284.6
85°	966.1	817.3	375.2	317.0	245.8	196.2	213.5	215.6	200.5	179.0	181.1
87.5°	424.8	347.2	209.2	140.2	107.8	75.5	97.0	97.0	88.4	73.3	66.8
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)