

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: P319654

Luminaire Tested: **GAN-SA0C-730-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319654
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0C-730-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 63761 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G5

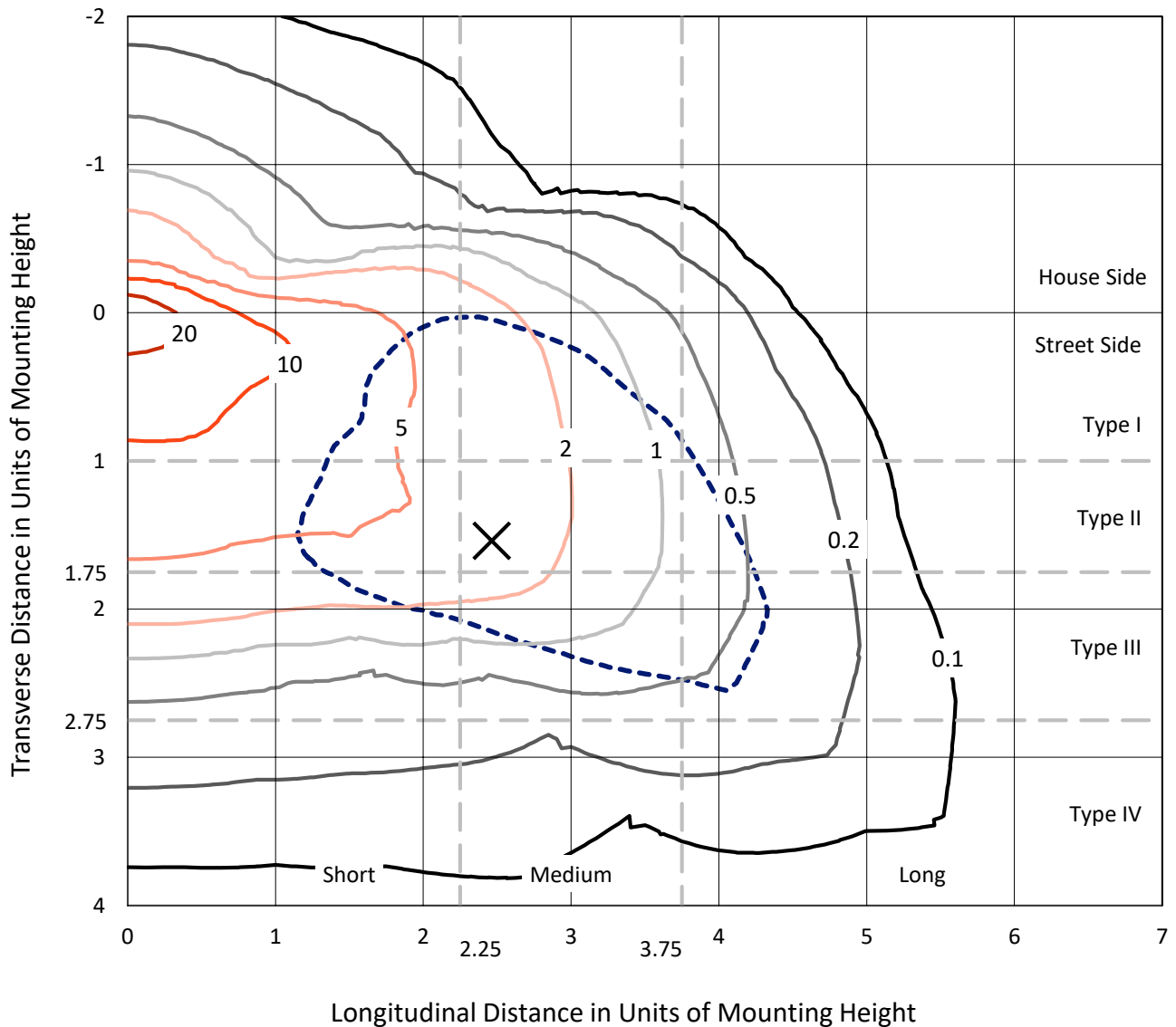
Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P319654
 CATALOG NUMBER: GAN-SAOC-730-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

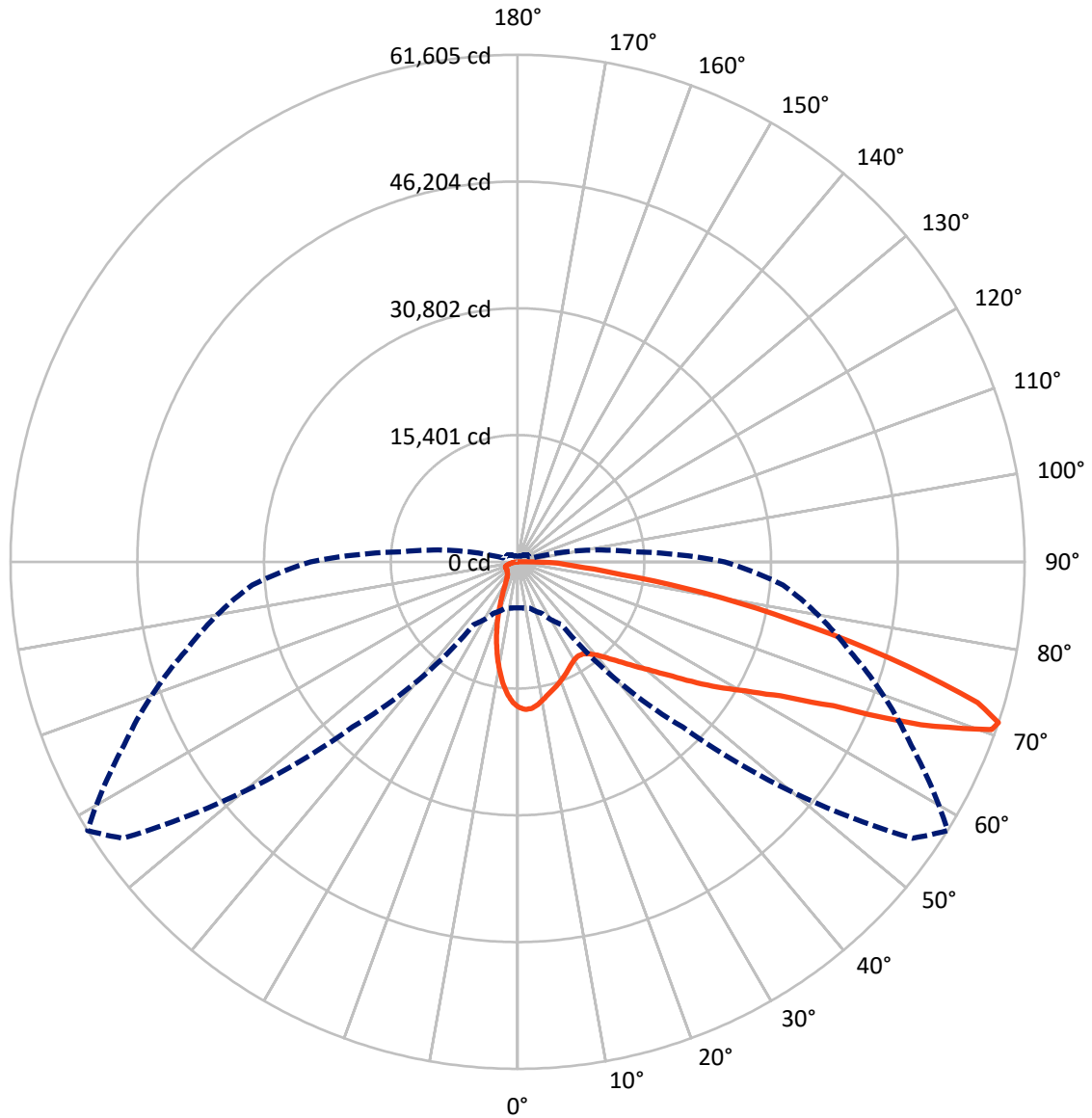
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 28.3 fc
 Type III - Medium - N/A

REPORT NUMBER: P319654
CATALOG NUMBER: GAN-SA0C-730-U-SL3

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

REPORT NUMBER: P319654
 CATALOG NUMBER: GAN-SAOC-730-U-SL3

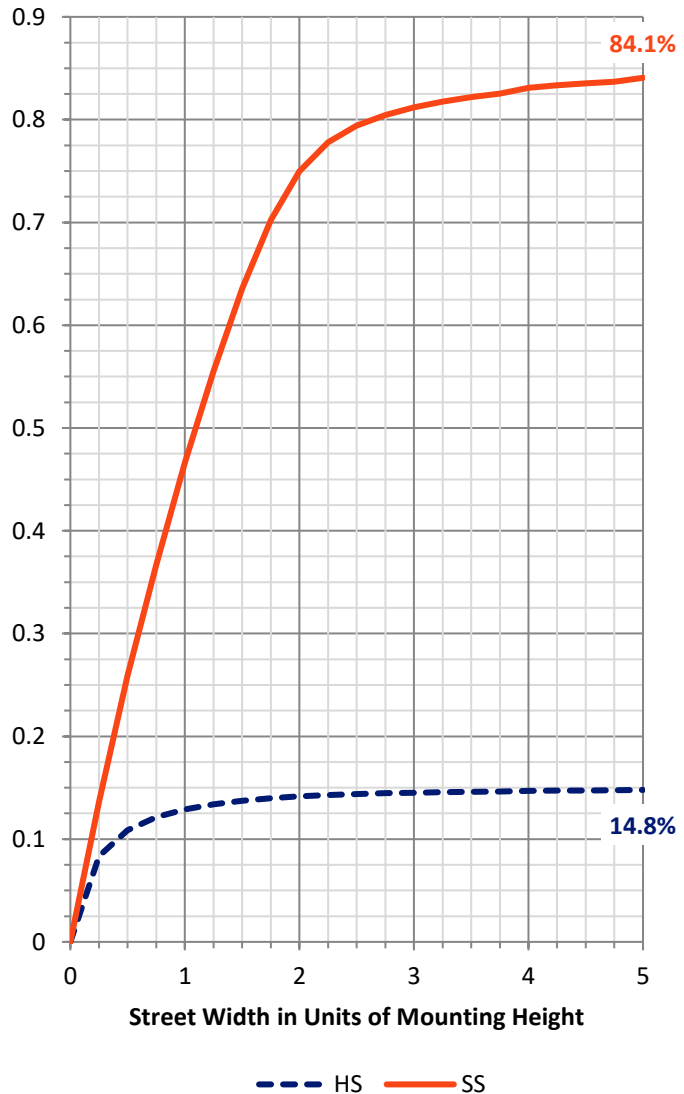
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9532.7	0.0	9532.7
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	54228.3	0.0	54228.3
	% Fixture	85.0	0.0	85.0
Total	Lumens	63761.0	0.0	63761.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1524.1	2.4
10°-20°	3388.9	5.3
20°-30°	4307.0	6.8
30°-40°	5486.2	8.6
40°-50°	7779.7	12.2
50°-60°	12039.4	18.9
60°-70°	16390.1	25.7
70°-80°	10934.1	17.1
80°-90°	1911.7	3.0
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°	63761.0	100.0
0°-180°	63761.0	100.0

Coefficient of Utilization

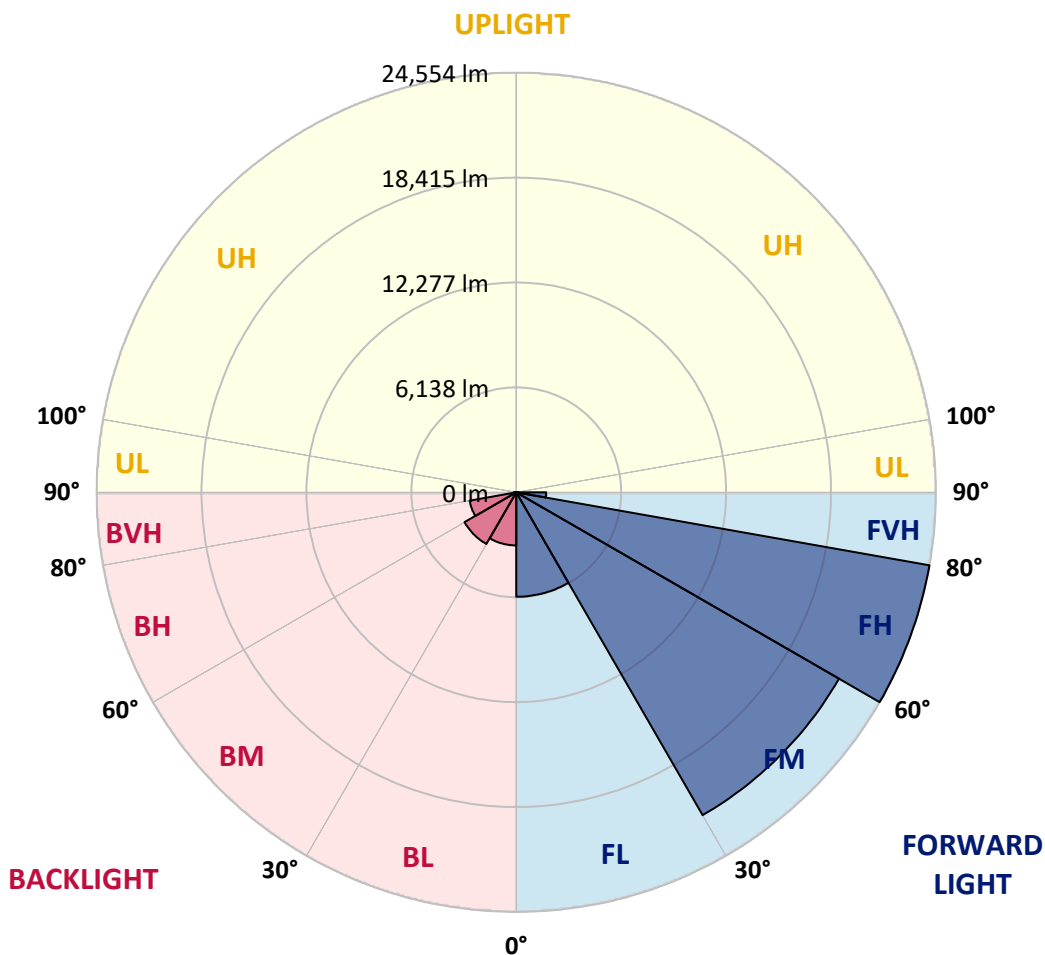


REPORT NUMBER: P319654
 CATALOG NUMBER: GAN-SAOC-730-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	6112.5	9.6			
FM (30°-60°)	21809.3	34.2			
FH (60°-80°)	24553.6	38.5			G5
FVH (80°-90°)	1752.8	2.7			G5
BL (0°-30°)	3107.4	4.9	B4/5000		
BM (30°-60°)	3495.9	5.5	B3/5000		
BH (60°-80°)	2770.6	4.3	B4/5000		G4/5000
BVH (80°-90°)	158.8	0.2			G2/225
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: P319654

CATALOG NUMBER: GAN-SAOC-730-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	17666.1	17666.1	17666.1	17666.1	17666.1	17666.1	17666.1	17666.1	17666.1	17666.1	17666.1
2.5°	18134.7	18110.3	18119.1	18101.4	18059.2	18017.0	17954.8	17965.9	17879.3	17750.5	17590.5
5°	17792.7	17783.8	17850.4	17888.2	17919.3	17894.8	17877.1	17899.3	17772.7	17595.0	17317.4
7.5°	17075.3	16977.5	17061.9	17188.5	17308.5	17399.5	17519.5	17535.0	17455.1	17268.5	16904.2
10°	16055.8	15962.5	16086.9	16284.6	16524.5	16742.1	16984.2	17028.6	17044.2	16875.4	16433.4
12.5°	14998.6	14927.5	15051.9	15329.5	15727.1	16062.5	16448.9	16515.6	16653.3	16540.0	15998.1
15°	14052.4	14025.8	14176.8	14450.0	14907.5	15420.6	15978.1	16100.2	16333.4	16295.7	15658.2
17.5°	13235.1	13228.4	13343.9	13630.5	14136.8	14785.4	15509.4	15716.0	16062.5	16106.9	15378.4
20°	12626.5	12613.2	12693.2	12904.2	13426.1	14161.3	15003.0	15287.3	15787.1	15942.5	15089.7
22.5°	12300.1	12297.8	12300.1	12400.0	12826.4	13510.5	14510.0	14856.5	15518.3	15811.5	14769.8
25°	12244.5	12237.9	12189.0	12177.9	12420.0	12966.4	14021.4	14403.4	15262.9	15720.4	14465.6
27.5°	12388.9	12397.8	12333.4	12229.0	12277.8	12608.8	13597.1	14005.8	15058.6	15702.7	14254.6
30°	12688.7	12684.3	12628.8	12519.9	12424.4	12475.5	13295.1	13703.7	14920.9	15780.4	14110.2
32.5°	13019.7	13044.1	13033.0	12973.0	12830.9	12626.5	13204.0	13603.8	14880.9	15967.0	14048.0
35°	13417.2	13443.9	13523.8	13570.5	13403.9	13075.2	13399.5	13745.9	14996.4	16317.9	14148.0
37.5°	13794.8	13863.7	14088.0	14285.7	14143.5	13777.0	13919.2	14165.7	15354.0	16870.9	14416.7
40°	14230.1	14290.1	14656.6	15076.3	15054.1	14674.3	14756.5	14920.9	15984.7	17663.8	14903.1
42.5°	14658.8	14778.7	15309.5	15904.8	16075.8	15740.4	15871.5	15958.1	16873.2	18714.4	15751.5
45°	15229.6	15358.4	16095.8	16813.2	17213.0	17024.2	17233.0	17266.3	17990.3	20144.7	16984.2
47.5°	16093.6	16240.2	17099.7	17852.6	18463.4	18483.4	18827.7	18814.3	19385.1	21781.6	18536.7
50°	17439.5	17650.5	18354.6	19058.6	19800.5	20213.6	20673.3	20608.9	21057.6	23525.1	20324.6
52.5°	19203.0	19300.7	19822.7	20342.4	21264.1	22190.3	22849.9	22792.2	22954.3	25317.5	22354.7
55°	21030.9	21104.2	21319.7	21603.9	22843.3	24353.6	25748.4	25657.3	25246.4	27178.7	24360.2
57.5°	22674.5	22823.3	22972.1	23089.8	24433.5	26614.6	28713.5	28720.1	27734.0	29186.5	26432.5
60°	22929.9	23060.9	24044.9	24973.2	27154.3	29630.7	31887.3	31820.7	30308.2	31365.4	28742.3
62.5°	20269.1	20564.5	22208.1	24677.8	29775.1	35147.8	35936.2	35854.1	33386.5	34050.6	31432.0
65°	14525.5	14860.9	16844.3	20555.6	28504.7	41226.7	43243.4	42137.3	37584.2	37353.3	34581.4
67.5°	8379.9	8459.9	9319.4	12300.1	21703.9	41544.3	54390.8	52842.7	44103.0	41100.1	36122.8
70°	6196.7	6194.4	6398.8	7569.3	11744.8	33906.2	59692.4	61080.5	50965.9	42332.8	33944.0
71°	5603.7	5610.3	5839.1	6889.6	9301.7	28380.3	58566.3	61604.7	52773.9	41724.2	32367.0
72.5°	4793.0	4815.2	5132.8	6178.9	7824.7	19571.7	53715.6	58459.7	53631.2	40222.8	29899.5
75°	3635.8	3686.9	4126.7	5208.3	7151.7	9925.8	39423.3	46681.6	47643.3	35492.0	22216.9
77.5°	2594.2	2651.9	3149.4	4379.9	6798.6	7480.4	26401.4	34050.6	35061.2	22745.6	10021.3
80°	1639.1	1708.0	2083.3	3484.8	6387.7	7102.8	16591.1	22887.7	19118.6	7278.3	2549.7
82.5°	961.7	1015.0	1292.6	2276.6	5217.2	6840.8	9761.4	12686.5	7440.4	2198.8	1159.4
85°	557.5	581.9	806.2	1450.3	3789.1	6456.5	7171.7	7091.7	3229.4	1075.0	548.6
87.5°	259.9	288.7	477.5	757.4	2103.3	4679.7	5668.1	4897.4	2007.8	504.2	257.6
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: P319654
 CATALOG NUMBER: GAN-SAOC-730-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	17666.1	17666.1	17666.1	17666.1	17666.1	17666.1	17666.1	17666.1	17666.1	17666.1	17666.1
2.5°	17512.8	17475.1	17317.4	17177.4	17030.8	16839.8	16628.8	16602.2	16473.4	16497.8	16453.4
5°	17166.3	17070.8	16691.0	16346.8	15940.3	15576.1	15180.7	14998.6	14736.5	14718.8	14652.1
7.5°	16671.0	16493.4	15904.8	15251.8	14598.8	13976.9	13361.7	12957.5	12544.4	12368.9	12353.4
10°	16113.6	15811.5	14945.3	13979.2	13037.4	12129.0	11249.5	10598.7	10012.4	9734.8	9723.7
12.5°	15585.0	15138.5	13950.3	12635.4	11347.2	10170.1	8964.1	8109.0	7373.8	7127.3	7022.9
15°	15136.3	14507.8	12981.9	11300.6	9737.0	8102.3	6729.7	5830.2	5150.6	4915.1	4870.7
17.5°	14701.0	13892.5	11989.1	9952.4	8062.3	6265.5	4890.7	4222.2	3860.1	3764.6	3762.4
20°	14267.9	13259.5	10951.9	8573.2	6443.2	4686.4	3760.2	3460.4	3338.2	3327.1	3309.3
22.5°	13777.0	12588.8	9861.4	7189.5	5028.4	3684.7	3196.1	3076.1	3060.6	3100.6	3100.6
25°	13317.3	11922.5	8755.3	5834.6	3911.2	3073.9	2854.0	2829.6	2871.8	2942.9	2949.5
27.5°	12888.6	11280.6	7675.9	4630.8	3133.9	2707.4	2616.4	2645.2	2720.8	2802.9	2805.2
30°	12535.5	10674.3	6627.5	3649.1	2647.5	2434.2	2418.7	2476.4	2558.6	2623.0	2638.6
32.5°	12262.3	10156.8	5614.8	2934.0	2329.9	2229.9	2243.2	2292.1	2343.2	2378.7	2403.2
35°	12135.7	9712.6	4679.7	2474.2	2127.7	2072.2	2090.0	2116.6	2138.9	2165.5	2185.5
37.5°	12157.9	9368.3	3844.6	2187.7	1992.3	1963.4	1963.4	1963.4	1963.4	1976.7	1978.9
40°	12364.5	9170.6	3165.0	2005.6	1901.2	1870.1	1845.7	1823.5	1805.7	1814.6	1810.1
42.5°	12893.1	9152.9	2667.5	1890.1	1827.9	1776.8	1728.0	1696.9	1674.7	1683.5	1688.0
45°	13790.4	9375.0	2332.1	1807.9	1759.1	1681.3	1619.1	1585.8	1570.3	1599.1	1603.6
47.5°	14952.0	9859.1	2127.7	1747.9	1694.6	1592.5	1525.8	1494.8	1499.2	1541.4	1552.5
50°	16448.9	10645.4	2030.0	1710.2	1650.2	1517.0	1448.1	1421.5	1434.8	1494.8	1508.1
52.5°	18092.5	11778.1	2041.1	1699.1	1621.4	1461.4	1388.1	1357.0	1379.3	1434.8	1445.9
55°	19989.3	13139.6	2225.5	1714.6	1579.2	1425.9	1339.3	1286.0	1303.7	1354.8	1363.7
57.5°	22097.0	14698.8	2596.4	1710.2	1525.8	1392.6	1288.2	1208.2	1221.6	1252.7	1261.5
60°	24291.4	16582.2	3171.6	1723.5	1501.4	1352.6	1219.3	1119.4	1115.0	1141.6	1146.1
62.5°	26925.5	18761.0	3829.1	1732.4	1517.0	1301.5	1128.3	1030.6	1017.2	1023.9	1028.3
65°	29639.6	20338.0	3582.5	1696.9	1565.8	1259.3	1048.3	943.9	919.5	915.1	917.3
67.5°	29724.0	18647.8	2512.0	1625.8	1585.8	1237.1	988.4	870.6	830.7	815.1	812.9
70°	26656.8	15149.6	1956.7	1550.3	1505.9	1201.6	932.8	810.7	750.7	726.3	724.1
71°	25159.8	13945.8	1854.6	1512.5	1445.9	1166.0	908.4	784.0	721.8	695.2	690.7
72.5°	22812.2	12502.2	1730.2	1452.6	1330.4	1075.0	861.8	746.3	681.9	650.8	644.1
75°	16371.2	8175.6	1485.9	1294.9	1101.6	857.3	755.1	670.8	615.2	577.5	573.0
77.5°	6307.7	3253.8	1123.8	1077.2	844.0	670.8	621.9	579.7	539.7	502.0	499.7
80°	1950.1	1454.8	819.6	810.7	610.8	499.7	484.2	473.1	457.5	417.6	408.7
82.5°	1041.7	835.1	564.1	524.2	399.8	333.2	350.9	355.4	357.6	315.4	310.9
85°	497.5	442.0	317.6	297.6	233.2	186.6	215.4	233.2	235.4	193.2	179.9
87.5°	237.7	231.0	148.8	113.3	86.6	62.2	75.5	93.3	102.2	73.3	64.4
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)