

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: McGRAW-EDISON

Report Number: P319480

Luminaire Tested: **GLEON-SA6B-827-U-SL2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319480
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: McGRAW-EDISON
Catalog Number: GLEON-SA6B-827-U-SL2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 2700K, 800mA 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: 24615 lumens
Efficiency: N/A
Efficacy: 98.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

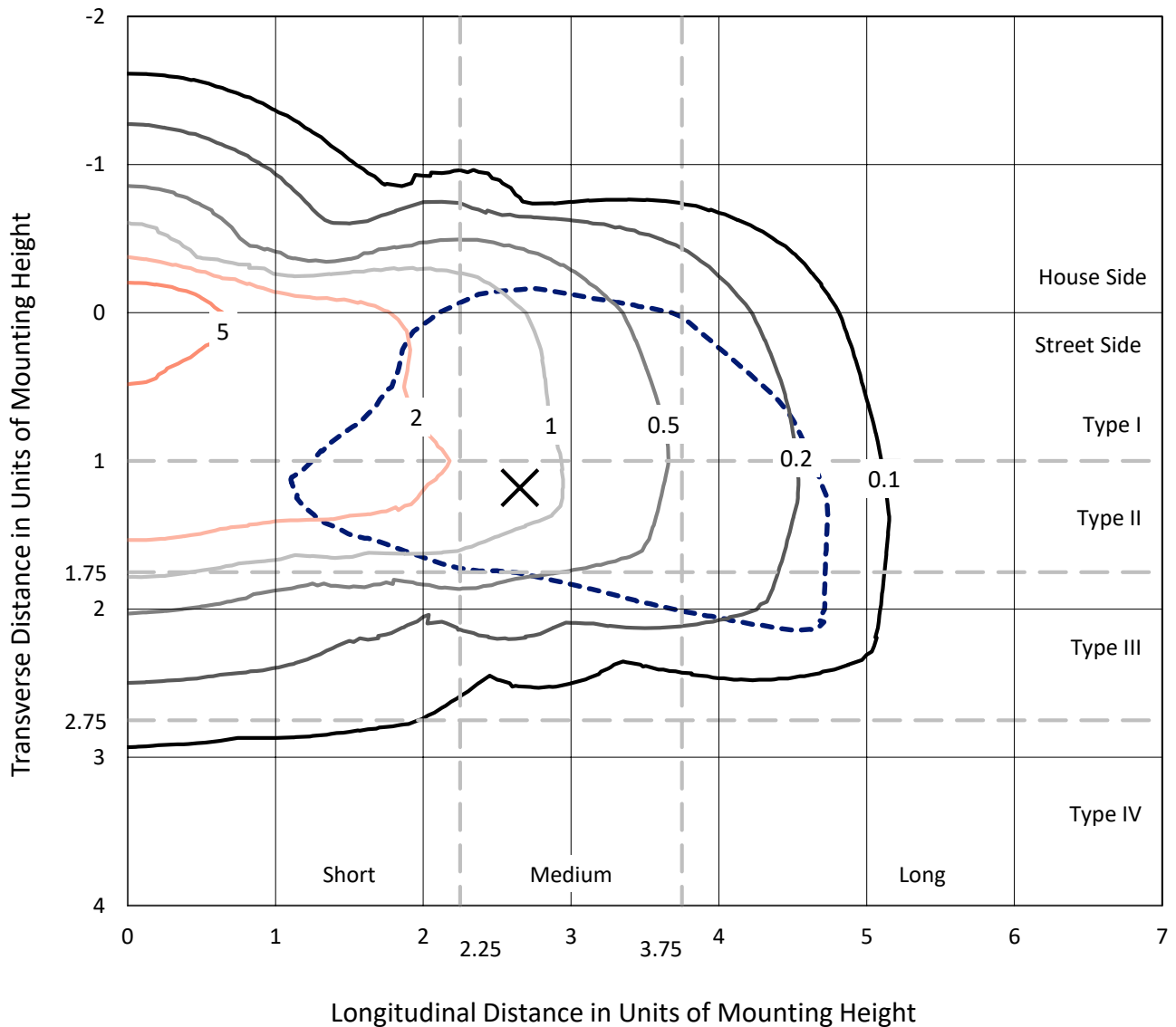
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P319480
 CATALOG NUMBER: GLEON-SA6B-827-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

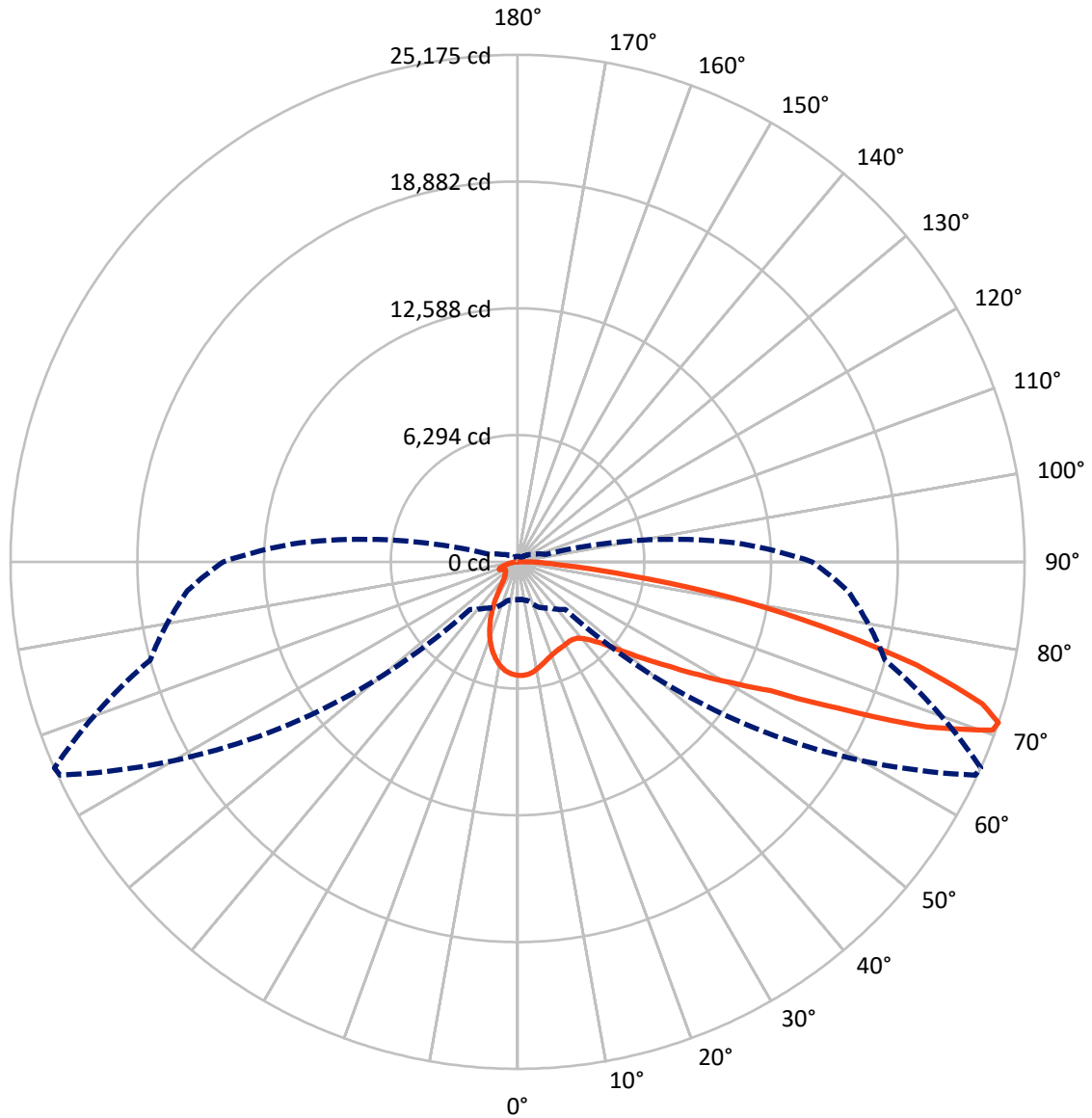
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc
 Type III - Medium - N/A

REPORT NUMBER: P319480
CATALOG NUMBER: GLEON-SA6B-827-U-SL2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P319480
 CATALOG NUMBER: GLEON-SA6B-827-U-SL2

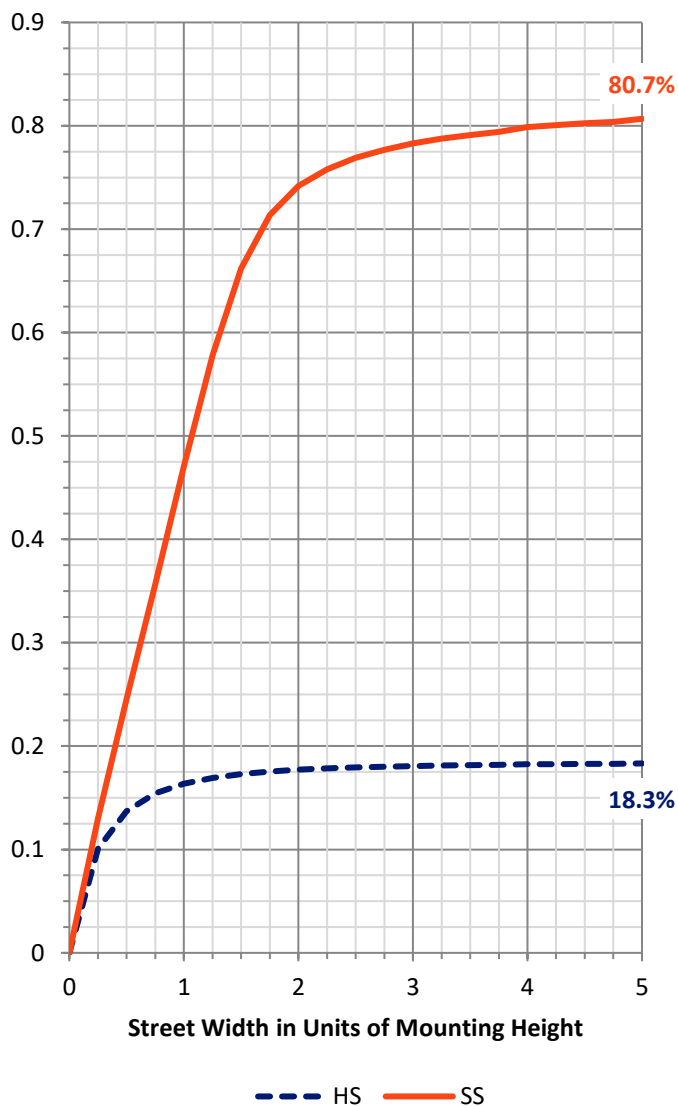
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4561.8	0.0	4561.8
	% Fixture	18.5	0.0	18.5
Street Side	Lumens	20053.2	0.0	20053.2
	% Fixture	81.5	0.0	81.5
Total	Lumens	24615.0	0.0	24615.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	496.3	2.0
10°-20°	1190.5	4.8
20°-30°	1599.1	6.5
30°-40°	2103.6	8.5
40°-50°	3060.1	12.4
50°-60°	4780.3	19.4
60°-70°	5988.1	24.3
70°-80°	4567.6	18.6
80°-90°	829.4	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°	24615.0	100.0
0°-180°	24615.0	100.0

Coefficient of Utilization

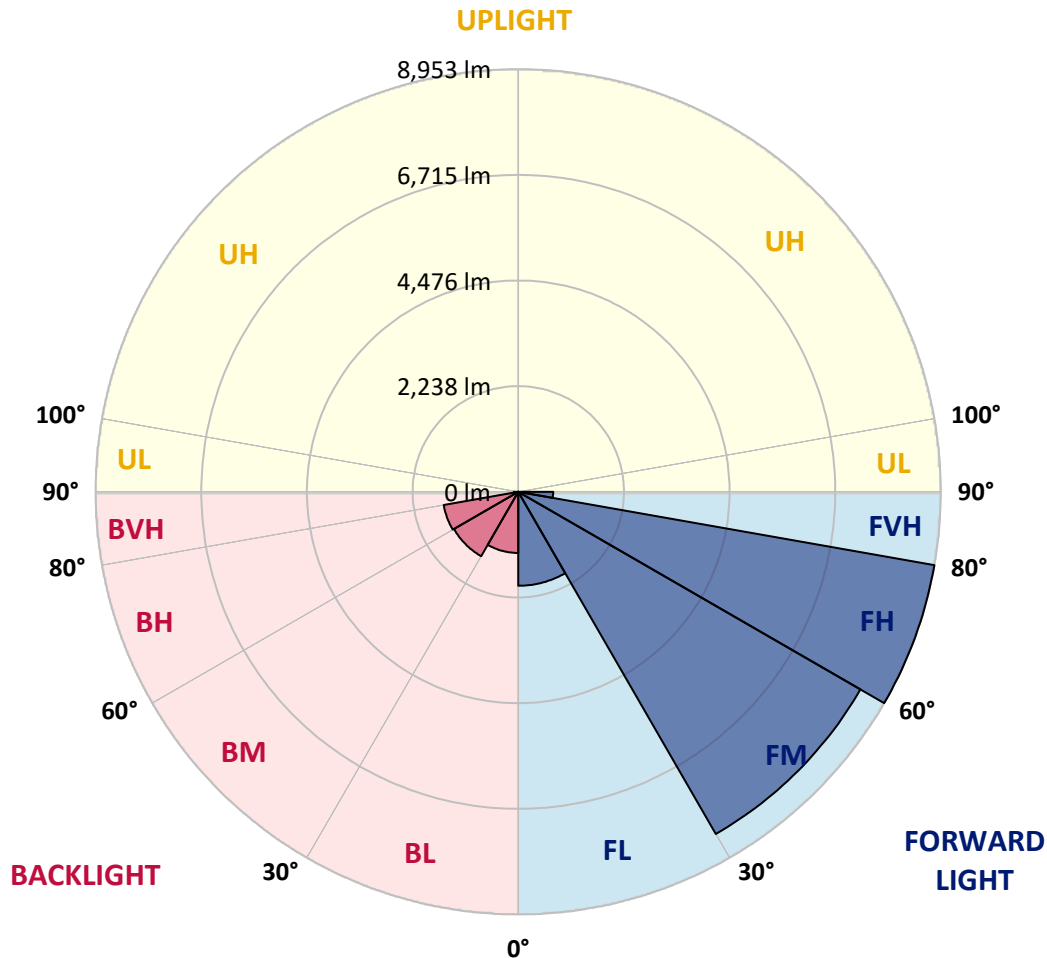


REPORT NUMBER: P319480
 CATALOG NUMBER: GLEON-SA6B-827-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1990.5	8.1			
FM (30°-60°)	8370.3	34.0			
FH (60°-80°)	8952.7	36.4			G4/12000
FVH (80°-90°)	739.6	3.0			G4/750
BL (0°-30°)	1295.4	5.3	B3/2500		
BM (30°-60°)	1573.7	6.4	B2/2500		
BH (60°-80°)	1602.9	6.5	B3/2500		G3/2500
BVH (80°-90°)	89.8	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Medium





REPORT NUMBER: P319480
 CATALOG NUMBER: GLEON-SA6B-827-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	5638.8	5638.8	5638.8	5638.8	5638.8	5638.8	5638.8	5638.8	5638.8	5638.8	5638.8
2.5°	5534.3	5525.8	5551.3	5577.6	5587.8	5604.8	5630.3	5644.8	5643.9	5646.5	5638.0
5°	5167.1	5156.1	5207.1	5248.7	5328.6	5418.7	5528.3	5606.5	5608.2	5652.4	5664.3
7.5°	4819.6	4811.9	4870.5	4937.7	5030.3	5168.0	5345.6	5513.9	5524.1	5643.9	5685.6
10°	4540.8	4539.1	4596.0	4669.1	4777.1	4930.9	5134.9	5381.3	5396.6	5603.1	5689.0
12.5°	4323.2	4326.6	4375.9	4459.2	4573.1	4733.7	4954.7	5232.6	5257.2	5538.5	5669.4
15°	4162.6	4176.2	4216.2	4300.3	4412.5	4575.6	4802.6	5094.9	5132.3	5466.3	5658.4
17.5°	4070.8	4086.1	4114.2	4183.9	4289.2	4446.5	4661.5	4981.9	5015.9	5411.1	5659.2
20°	4043.6	4056.4	4072.5	4115.0	4204.3	4347.0	4550.1	4879.9	4916.4	5366.9	5667.7
22.5°	4097.2	4106.5	4108.2	4104.8	4159.2	4275.6	4469.4	4805.1	4844.2	5338.0	5673.7
25°	4211.9	4224.7	4215.3	4183.9	4166.0	4237.4	4427.8	4755.8	4794.9	5316.7	5661.8
27.5°	4384.4	4386.1	4378.5	4337.7	4253.5	4241.7	4415.0	4726.9	4764.3	5292.1	5637.1
30°	4619.0	4630.0	4616.4	4561.2	4423.5	4309.6	4430.3	4698.9	4732.9	5260.6	5597.2
32.5°	4893.5	4920.7	4919.8	4862.0	4664.9	4461.8	4493.2	4681.9	4708.2	5227.5	5548.7
35°	5178.2	5215.6	5285.3	5260.6	5016.7	4702.3	4613.9	4709.1	4726.9	5223.2	5514.7
37.5°	5473.9	5511.3	5655.0	5721.3	5435.7	5046.5	4804.3	4805.1	4813.6	5275.1	5512.2
40°	5783.3	5823.2	6039.1	6211.6	5978.8	5482.4	5111.1	5005.7	4996.3	5402.6	5562.3
42.5°	6216.7	6252.4	6511.6	6731.7	6581.3	6040.8	5535.1	5315.0	5295.5	5652.4	5723.0
45°	6764.9	6795.5	7070.8	7306.2	7228.9	6678.2	6068.0	5740.8	5737.4	6068.8	6048.5
47.5°	7416.7	7440.5	7687.8	7915.6	7943.6	7411.6	6737.7	6397.7	6342.5	6640.0	6552.4
50°	8095.8	8122.1	8290.4	8535.1	8743.4	8393.2	7599.4	7202.6	7128.6	7393.8	7266.3
52.5°	8545.3	8580.2	8726.4	9036.6	9642.5	9469.1	8618.4	8178.2	8066.0	8307.4	8209.6
55°	8344.8	8423.0	8646.5	9143.6	10361.5	11112.8	9875.4	9316.2	9189.5	9390.1	9332.3
57.5°	7432.9	7540.0	7845.1	8612.5	10462.6	12560.9	11775.7	10656.4	10567.2	10509.4	10535.7
60°	5766.3	5869.1	6247.3	7247.6	9758.1	13618.2	14635.4	12308.5	12179.3	11632.9	11656.7
62.5°	4081.0	4029.2	4288.4	5020.1	7929.2	13742.2	17889.5	14518.2	14093.2	12819.3	12714.8
65°	3112.2	3100.3	3216.7	3449.6	4802.6	12257.5	19828.1	18232.0	17568.3	14214.8	13968.3
67.5°	2557.2	2536.0	2650.7	2989.8	3092.6	7907.9	19870.6	22540.8	21889.0	15951.9	15418.2
70°	2102.6	2078.8	2185.8	2623.5	2858.1	4010.5	16723.5	25064.1	25029.2	18151.3	16512.8
71°	1885.0	1868.0	1996.3	2482.4	2807.9	3342.5	14439.1	25070.9	25175.4	18895.8	16448.2
72.5°	1534.8	1540.8	1676.8	2209.6	2770.5	2951.6	10612.2	23902.3	24123.3	19605.4	15860.9
75°	1019.8	1024.9	1203.4	1699.7	2686.4	2887.8	5832.6	20056.7	20462.9	19180.5	14473.1
77.5°	685.0	683.3	804.8	1166.0	2340.5	2887.8	3419.8	15000.9	15447.1	15261.8	11157.8
80°	471.7	468.3	554.1	804.8	1772.0	2922.7	2643.9	10512.8	10647.9	8241.9	4534.9
82.5°	289.0	291.5	362.0	568.6	1206.0	2630.3	2496.0	5732.3	5585.3	2311.6	1132.9
85°	165.7	164.9	231.2	385.0	774.2	2219.8	2434.0	2467.1	2263.2	696.0	409.6
87.5°	59.5	63.7	124.1	213.3	443.6	1545.9	2065.2	1283.3	1156.7	314.4	185.3
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: P319480
 CATALOG NUMBER: GLEON-SA6B-827-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5638.8	5638.8	5638.8	5638.8	5638.8	5638.8	5638.8	5638.8	5638.8	5638.8	5638.8
2.5°	5632.0	5637.1	5631.2	5597.2	5568.3	5521.5	5495.2	5458.6	5447.6	5442.5	5456.1
5°	5653.3	5655.0	5604.8	5515.6	5415.3	5297.2	5212.2	5107.7	5058.4	5037.1	5050.7
7.5°	5672.8	5665.2	5555.5	5384.7	5199.4	4993.8	4811.1	4643.6	4545.9	4506.0	4509.4
10°	5675.4	5643.1	5467.1	5202.8	4915.6	4613.9	4333.4	4075.1	3911.9	3805.7	3838.0
12.5°	5649.0	5594.6	5337.1	4967.4	4568.8	4157.5	3778.5	3390.9	3158.1	3050.1	3053.5
15°	5628.6	5530.0	5177.3	4690.4	4155.0	3610.2	3092.6	2637.1	2389.0	2278.5	2226.6
17.5°	5611.6	5460.3	4992.1	4378.5	3666.3	2975.4	2353.3	1947.0	1811.1	1778.8	1765.2
20°	5587.8	5386.4	4785.6	4017.3	3109.6	2264.9	1718.4	1517.8	1518.7	1556.1	1561.2
22.5°	5554.7	5302.3	4565.4	3611.9	2512.2	1649.6	1347.0	1289.2	1347.9	1419.3	1432.0
25°	5505.4	5202.8	4320.7	3164.0	1915.6	1268.0	1150.7	1148.2	1219.5	1294.3	1305.4
27.5°	5435.7	5072.8	4048.7	2683.0	1411.6	1077.6	1030.9	1048.7	1101.4	1155.8	1160.1
30°	5342.2	4921.5	3748.7	2175.6	1106.5	959.5	954.4	970.5	1002.8	1041.1	1044.5
32.5°	5239.4	4767.7	3428.3	1684.4	947.6	895.8	900.9	908.5	923.8	939.1	942.5
35°	5145.9	4610.5	3100.3	1279.9	872.0	854.1	850.7	849.0	850.7	845.6	846.5
37.5°	5085.6	4480.5	2758.6	1019.0	828.6	817.6	807.4	794.6	780.2	771.7	773.4
40°	5063.5	4383.6	2412.8	880.5	792.9	785.3	765.7	738.5	721.5	716.4	716.4
42.5°	5123.0	4333.4	2078.8	810.8	763.2	750.4	718.1	686.7	673.9	673.1	672.2
45°	5304.8	4353.8	1760.9	772.5	736.0	711.3	668.8	642.5	634.0	635.7	634.8
47.5°	5631.2	4482.2	1489.0	747.0	708.8	676.5	628.9	607.6	597.5	597.5	598.3
50°	6186.1	4782.2	1272.2	725.8	685.8	644.2	600.0	573.7	560.1	559.2	559.2
52.5°	6994.3	5319.3	1137.1	707.9	660.3	615.3	571.1	538.0	521.8	518.4	516.7
55°	8007.4	6089.2	1099.7	696.0	626.3	583.9	536.3	503.1	485.3	477.6	476.8
57.5°	9140.2	7025.8	1173.7	681.6	591.5	546.5	498.0	466.6	447.9	438.5	437.7
60°	10286.7	8048.2	1475.4	661.2	562.6	505.7	458.9	430.0	411.3	401.1	399.4
62.5°	11434.9	9125.8	2091.5	659.5	542.2	466.6	419.0	394.3	376.5	365.4	362.9
65°	12730.1	10305.4	2791.8	704.5	535.4	430.9	378.2	358.6	343.3	333.1	332.3
67.5°	14217.3	11637.1	2724.7	797.2	558.4	398.6	339.9	324.6	313.6	305.1	304.2
70°	14915.0	11428.9	1693.8	862.6	590.7	367.1	303.4	292.4	283.9	277.9	275.4
71°	14622.7	10851.9	1420.1	855.0	587.3	353.5	289.0	280.5	272.0	266.9	264.3
72.5°	13825.5	9896.6	1184.7	795.5	549.0	328.9	270.3	261.8	254.1	248.2	246.5
75°	12406.3	8838.5	948.4	635.7	437.7	277.9	237.1	227.8	221.8	218.4	215.0
77.5°	9119.8	6307.7	733.4	502.3	322.1	226.9	202.3	195.5	189.5	184.4	181.9
80°	3493.8	2443.3	493.8	374.8	236.3	179.3	163.2	159.8	153.8	150.4	150.4
82.5°	940.8	730.0	263.5	226.9	158.1	130.9	124.9	123.2	118.1	111.3	112.2
85°	380.7	322.1	147.9	124.9	96.9	77.3	84.1	85.0	79.0	70.5	71.4
87.5°	167.4	136.8	82.4	55.2	42.5	29.7	38.2	38.2	34.8	28.9	26.3
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)