

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: P528182

Luminaire Tested: **GALN-SA3B-730-U-SL3-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528182
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-20)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3B-730-U-SL3-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13087 lumens
Efficiency: N/A
Efficacy: 108.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

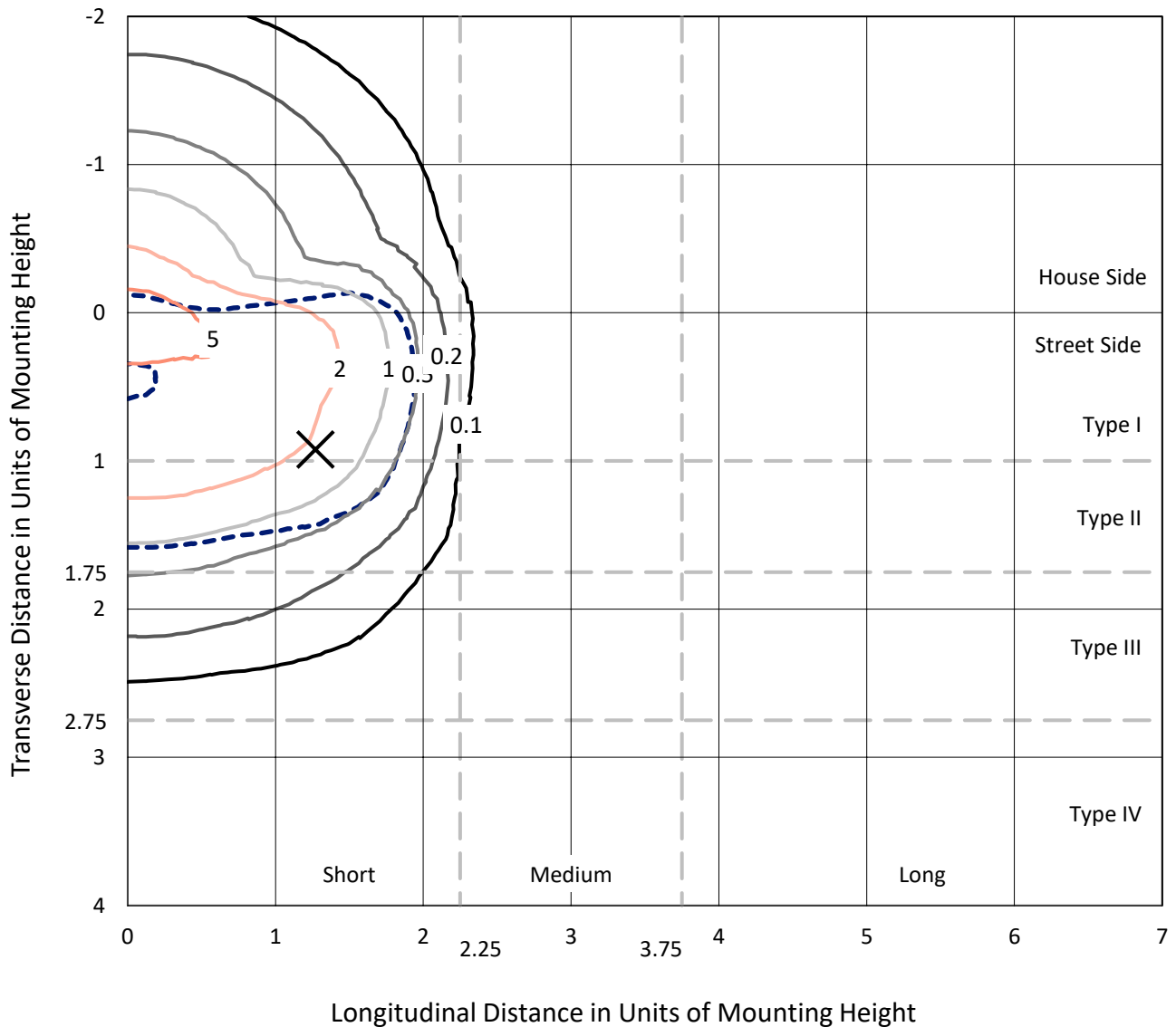
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P528182
 CATALOG NUMBER: GALN-SA3B-730-U-SL3-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

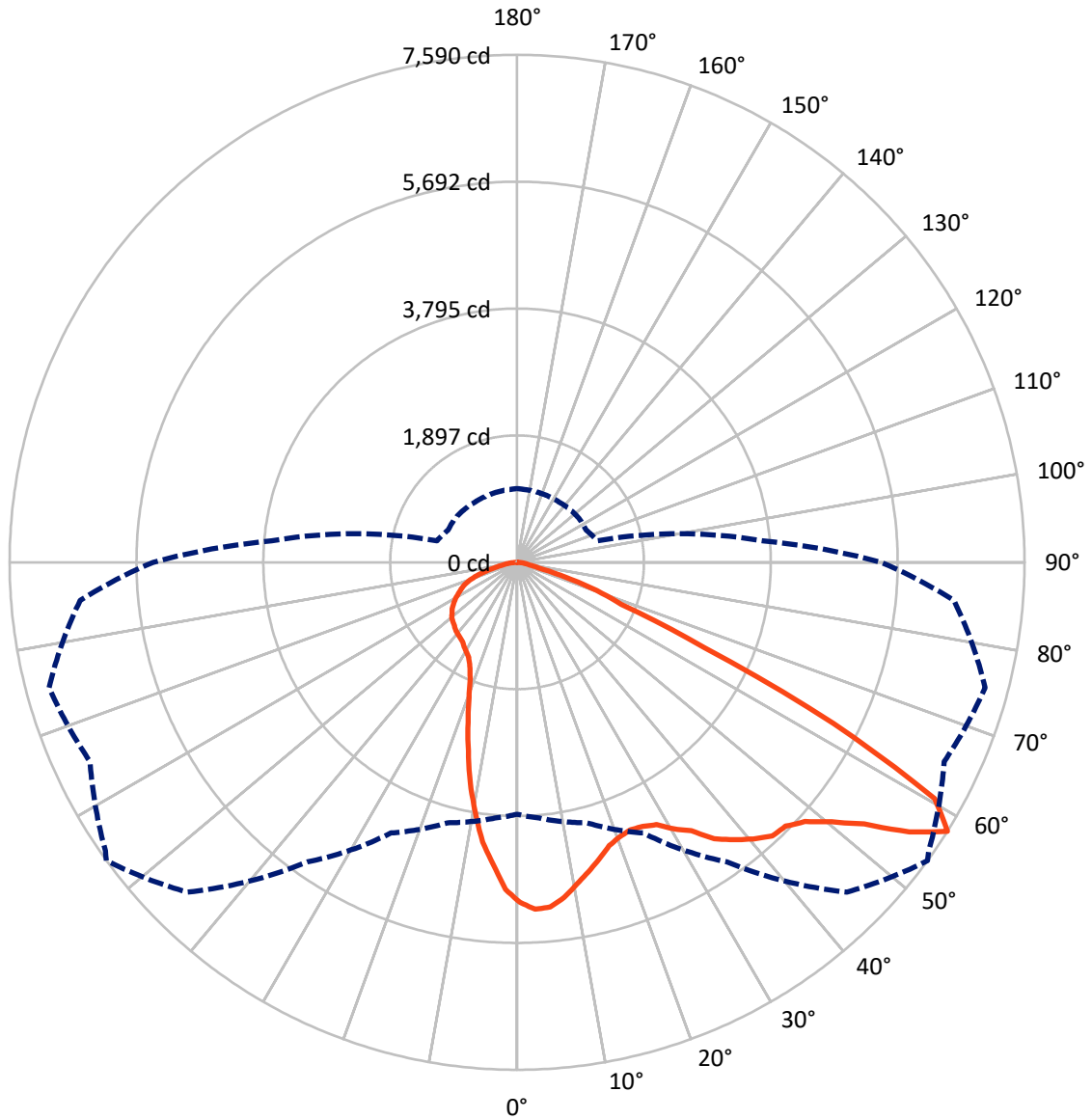
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.1 fc
 Type II - Short - N/A

REPORT NUMBER: P528182
CATALOG NUMBER: GALN-SA3B-730-U-SL3-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P528182
 CATALOG NUMBER: GALN-SA3B-730-U-SL3-GRSWH

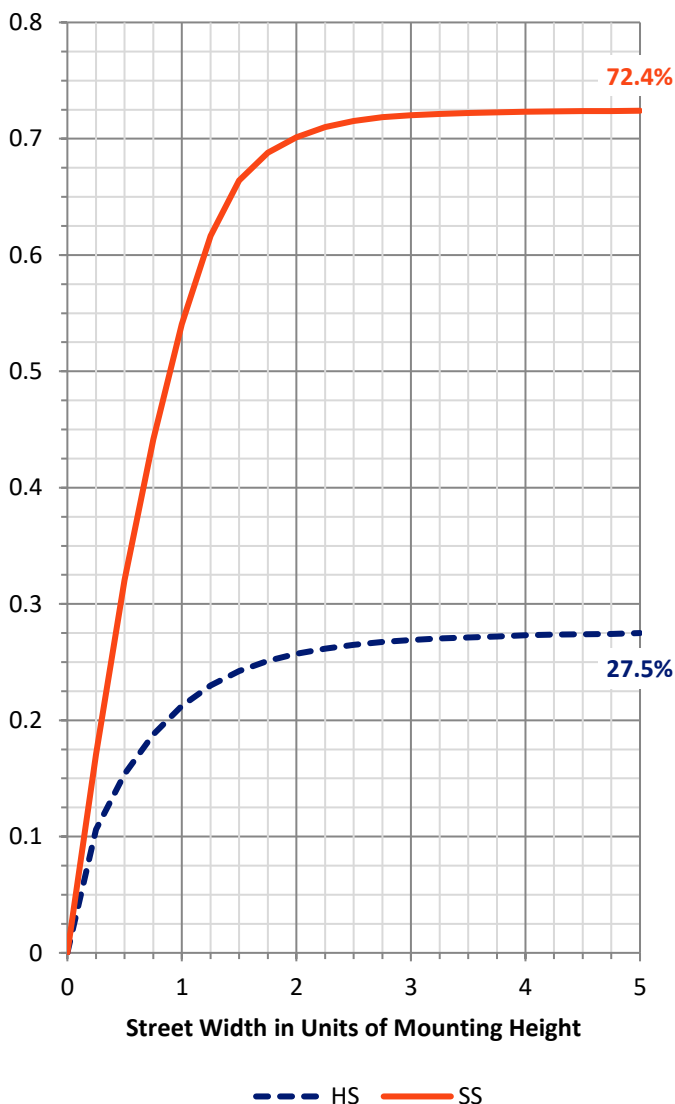
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3620.6	0.0	3620.6
	% Fixture	27.7	0.0	27.7
Street Side	Lumens	9466.4	0.0	9466.4
	% Fixture	72.3	0.0	72.3
Total	Lumens	13087.0	0.0	13087.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	438.7	3.4
10°-20°	1015.7	7.8
20°-30°	1427.1	10.9
30°-40°	1995.1	15.2
40°-50°	2701.0	20.6
50°-60°	3289.9	25.1
60°-70°	1713.5	13.1
70°-80°	439.1	3.4
80°-90°	67.0	0.5
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°	13087.0	100.0
0°-180°	13087.0	100.0

Coefficient of Utilization



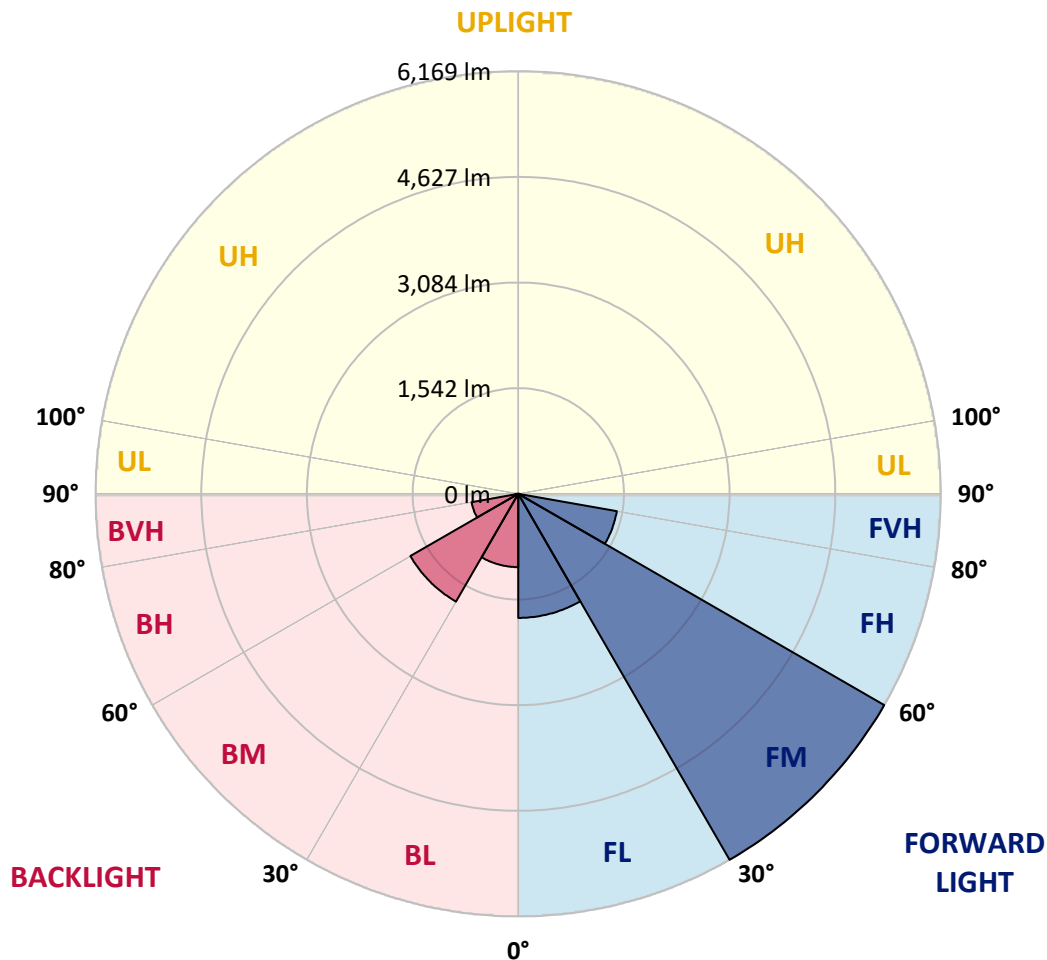
REPORT NUMBER: P528182
 CATALOG NUMBER: GALN-SA3B-730-U-SL3-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1811.4	13.8			
FM (30°-60°)	6168.8	47.1			
FH (60°-80°)	1460.9	11.2			G1/1800
FVH (80°-90°)	25.3	0.2			G1/100
BL (0°-30°)	1070.1	8.2	B3/2500		
BM (30°-60°)	1817.1	13.9	B2/2500		
BH (60°-80°)	691.7	5.3	B2/1000		G2/1000
BVH (80°-90°)	41.7	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





REPORT NUMBER: P528182

CATALOG NUMBER: GALN-SA3B-730-U-SL3-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	5086.8	5086.8	5086.8	5086.8	5086.8	5086.8	5086.8	5086.8	5086.8	5086.8	5086.8
2.5°	5231.4	5211.2	5214.6	5241.5	5207.9	5194.4	5194.4	5128.8	5133.9	5088.4	5076.7
5°	5110.3	5063.2	5095.2	5135.5	5142.3	5155.7	5177.6	5160.8	5113.7	5064.9	4985.8
7.5°	4794.1	4836.1	4847.9	4876.5	4937.1	4992.6	5061.5	5014.4	5012.8	4964.0	4916.9
10°	4516.5	4491.3	4555.2	4597.3	4698.2	4790.7	4896.7	4891.6	4916.9	4861.4	4780.6
12.5°	4240.7	4220.5	4250.7	4346.6	4487.9	4622.5	4748.7	4701.6	4836.1	4826.0	4652.8
15°	3948.0	3963.1	4006.8	4096.0	4281.0	4442.5	4602.3	4604.0	4723.4	4763.8	4531.7
17.5°	3742.7	3725.9	3781.4	3914.3	4079.2	4272.6	4454.3	4491.3	4674.6	4698.2	4494.7
20°	3589.7	3613.2	3685.6	3752.8	3942.9	4176.7	4382.0	4395.4	4664.6	4728.5	4435.8
22.5°	3552.7	3539.2	3562.8	3672.1	3828.5	4082.5	4343.3	4393.7	4662.9	4718.4	4324.8
25°	3514.0	3557.7	3556.0	3665.4	3779.8	4006.8	4375.2	4430.7	4752.0	4770.5	4339.9
27.5°	3601.4	3596.4	3643.5	3651.9	3793.2	4027.0	4442.5	4484.6	4900.1	4884.9	4351.7
30°	3688.9	3663.7	3692.3	3791.5	3857.1	4143.1	4627.5	4624.2	5091.8	5081.7	4388.7
32.5°	3796.6	3784.8	3803.3	3890.8	4001.8	4297.8	4784.0	4883.2	5286.9	5350.9	4516.5
35°	3816.8	3865.5	3909.3	4027.0	4185.1	4548.5	5078.4	5160.8	5512.3	5712.5	4760.4
37.5°	3944.6	3963.1	4065.7	4274.3	4419.0	4883.2	5265.1	5317.2	5717.6	5944.7	5017.8
40°	4080.9	4102.7	4257.5	4476.2	4674.6	5101.9	5440.0	5456.8	5783.2	6123.0	5186.0
42.5°	4265.9	4286.1	4439.1	4713.3	4979.1	5288.6	5594.8	5613.3	5778.1	6328.2	5453.5
45°	4457.6	4506.4	4686.4	4997.6	5236.5	5507.3	5630.1	5705.8	5825.2	6511.5	5670.5
47.5°	4726.8	4772.2	4920.2	5224.7	5503.9	5699.1	5793.3	5867.3	5937.9	6671.3	5810.1
50°	5012.8	5021.2	5201.2	5477.0	5682.2	5916.1	6097.7	6123.0	6086.0	6856.4	6047.3
52.5°	5223.0	5249.9	5389.6	5658.7	5964.8	6252.5	6501.4	6528.4	6456.0	6925.3	6128.0
55°	4874.8	4859.7	5086.8	5445.1	6154.9	6753.8	7115.4	7135.6	6725.2	7139.0	6392.1
57.5°	3768.0	3840.3	4033.8	4466.1	5468.6	6975.8	7589.8	7517.4	7048.1	7246.6	6560.3
60°	2738.5	2721.7	2851.2	3140.5	4121.2	6011.9	7176.0	7250.0	6784.0	6531.7	5409.7
62.5°	2230.5	2207.0	2217.0	2227.1	2659.5	3990.0	5312.2	5310.5	5224.7	4694.8	3648.5
65°	1783.1	1838.6	1843.6	1919.3	1974.8	2383.6	3078.3	3243.2	2824.3	2316.3	1680.4
67.5°	1344.0	1323.8	1391.1	1660.3	1764.6	1720.8	1680.4	1699.0	1207.8	871.3	820.9
70°	792.3	783.9	864.6	1157.3	1453.4	1367.6	1266.6	1268.3	829.3	608.9	677.9
72.5°	434.0	432.3	449.1	587.1	825.9	857.9	760.3	783.9	494.5	492.9	529.9
75°	242.2	237.2	232.1	259.0	297.7	314.6	321.3	324.7	339.8	380.2	395.3
77.5°	89.2	85.8	85.8	99.2	126.2	158.1	200.2	203.5	240.5	275.9	291.0
80°	30.3	33.6	45.4	62.2	84.1	112.7	136.3	139.6	169.9	193.4	198.5
82.5°	18.5	20.2	30.3	43.7	60.6	79.1	100.9	102.6	126.2	141.3	148.0
85°	8.4	10.1	16.8	26.9	38.7	52.1	53.8	53.8	52.1	53.8	50.5
87.5°	0.0	0.0	3.4	3.4	3.4	5.0	6.7	5.0	8.4	10.1	10.1
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: P528182

CATALOG NUMBER: GALN-SA3B-730-U-SL3-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5086.8	5086.8	5086.8	5086.8	5086.8	5086.8	5086.8	5086.8	5086.8	5086.8	5086.8
2.5°	5041.3	5022.8	4965.7	4915.2	4900.1	4832.8	4733.5	4745.3	4673.0	4706.6	4671.3
5°	4972.4	4910.1	4763.8	4701.6	4538.4	4464.4	4413.9	4287.8	4228.9	4217.1	4166.6
7.5°	4795.8	4757.1	4573.7	4405.5	4232.2	4084.2	3894.1	3764.6	3672.1	3646.9	3572.8
10°	4656.1	4570.4	4316.4	4060.7	3813.4	3556.0	3308.8	3115.3	3021.1	2911.8	2874.8
12.5°	4518.2	4388.7	4045.5	3717.5	3397.9	3073.3	2773.8	2538.3	2333.1	2284.3	2267.5
15°	4432.4	4207.0	3803.3	3408.0	2953.8	2529.9	2230.5	2075.8	1949.6	1897.4	1934.5
17.5°	4319.7	4057.3	3571.2	3044.7	2545.1	2154.8	1904.2	1808.3	1762.9	1767.9	1752.8
20°	4178.4	3916.0	3266.7	2715.0	2180.0	1868.8	1725.9	1690.5	1697.3	1709.0	1704.0
22.5°	4077.5	3744.4	3046.3	2378.5	1884.0	1710.7	1651.9	1626.6	1648.5	1658.6	1650.2
25°	4000.1	3598.1	2778.9	2080.8	1712.4	1621.6	1594.7	1593.0	1626.6	1640.1	1631.7
27.5°	3929.5	3461.8	2513.1	1853.7	1598.0	1552.6	1544.2	1564.4	1586.3	1599.7	1611.5
30°	3887.4	3357.5	2264.1	1663.6	1540.8	1519.0	1503.8	1522.3	1534.1	1547.6	1540.8
32.5°	3927.8	3283.5	2023.6	1556.0	1493.7	1471.9	1492.1	1480.3	1500.5	1512.2	1493.7
35°	4053.9	3217.9	1852.0	1498.8	1439.9	1448.3	1451.7	1446.6	1455.0	1445.0	1466.8
37.5°	4178.4	3194.4	1693.9	1450.0	1414.7	1414.7	1411.3	1401.2	1418.0	1414.7	1424.8
40°	4336.5	3209.5	1559.3	1397.9	1391.1	1387.8	1374.3	1372.6	1365.9	1367.6	1370.9
42.5°	4474.5	3243.2	1482.0	1364.2	1369.3	1376.0	1350.8	1330.6	1339.0	1322.2	1322.2
45°	4620.8	3273.4	1413.0	1340.7	1335.6	1333.9	1313.7	1302.0	1295.2	1296.9	1312.1
47.5°	4851.3	3317.2	1360.8	1308.7	1312.1	1286.8	1281.8	1266.6	1273.4	1283.5	1285.1
50°	5014.4	3409.7	1320.5	1271.7	1283.5	1266.6	1236.4	1229.6	1229.6	1246.5	1243.1
52.5°	5128.8	3539.2	1281.8	1231.3	1236.4	1222.9	1212.8	1197.7	1187.6	1211.1	1222.9
55°	5478.7	3754.5	1271.7	1197.7	1196.0	1182.5	1164.0	1148.9	1143.8	1147.2	1170.8
57.5°	5445.1	3687.2	1239.7	1138.8	1135.4	1116.9	1098.4	1093.4	1091.7	1095.1	1101.8
60°	4420.6	2723.4	1106.8	1071.5	1066.5	1063.1	1044.6	1024.4	1014.3	1024.4	1016.0
62.5°	2925.2	1823.4	975.6	990.8	994.1	985.7	955.5	935.3	938.6	950.4	931.9
65°	1436.5	1071.5	884.8	925.2	928.5	905.0	876.4	852.8	841.1	851.2	842.7
67.5°	820.9	819.2	810.8	852.8	851.2	827.6	782.2	762.0	741.8	745.2	740.1
70°	696.4	709.9	726.7	751.9	750.2	723.3	669.5	654.3	625.8	622.4	614.0
72.5°	548.4	571.9	608.9	627.4	612.3	578.7	543.3	518.1	492.9	477.7	482.8
75°	407.1	440.7	460.9	472.7	449.1	430.6	402.0	371.8	341.5	328.0	323.0
77.5°	296.1	306.1	324.7	333.1	317.9	299.4	282.6	252.3	223.7	205.2	200.2
80°	206.9	213.6	227.1	227.1	227.1	218.7	196.8	166.5	148.0	131.2	127.8
82.5°	144.7	151.4	164.8	158.1	156.4	146.3	132.9	109.3	89.2	77.4	74.0
85°	50.5	55.5	67.3	80.7	85.8	84.1	75.7	60.6	47.1	38.7	35.3
87.5°	11.8	11.8	13.5	11.8	11.8	13.5	11.8	11.8	11.8	8.4	6.7
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)