

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: P942478

Luminaire Tested: **GALN-SB6C-730-U-T4FT-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942478
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-25)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34385 lumens
Efficiency: N/A
Efficacy: 114.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

Input Watts (W): 300.9
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

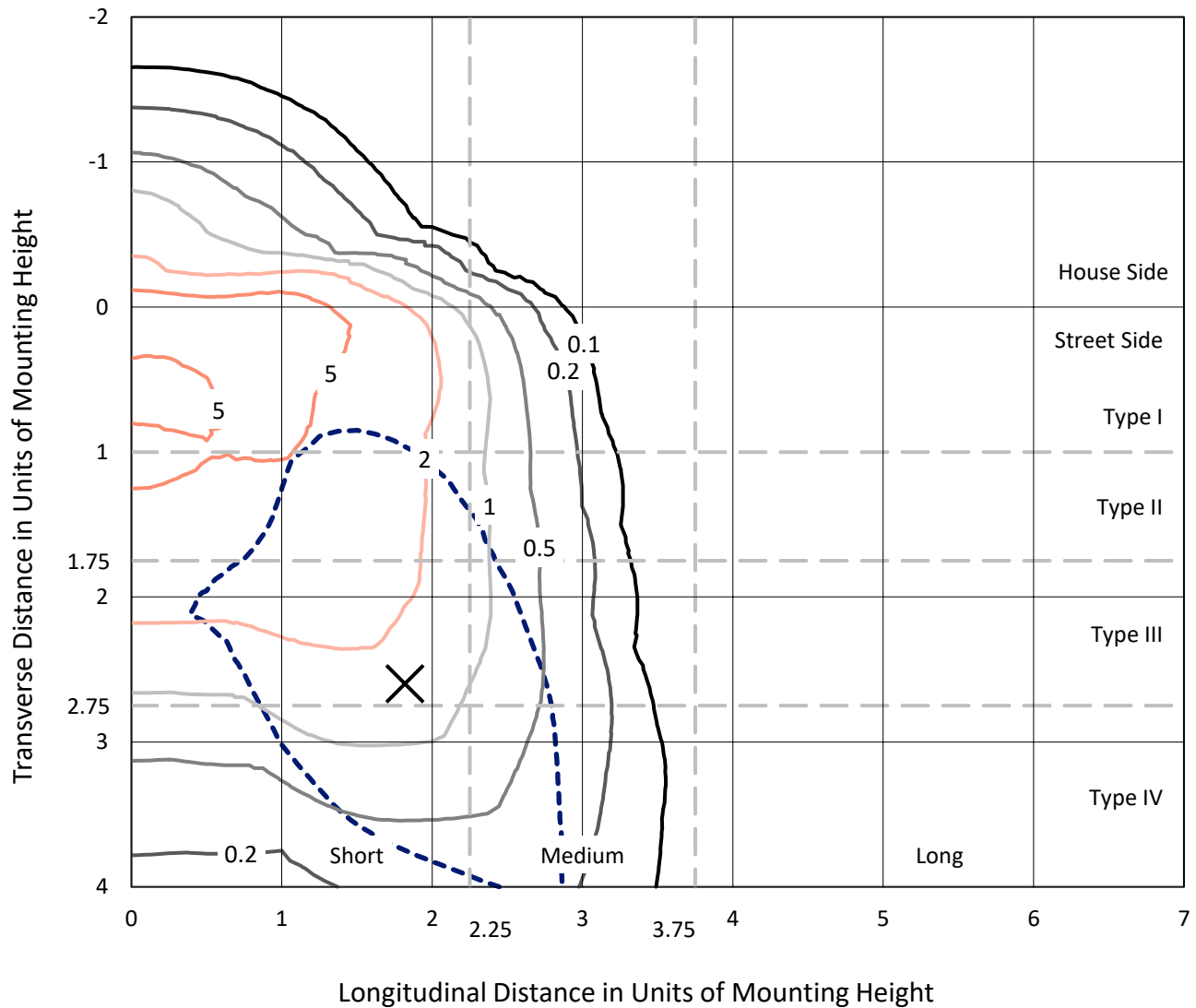


REPORT NUMBER: P942478

CATALOG NUMBER: GALN-SB6C-730-U-T4FT-HSS

Iso-Footcandle Lines of Horizontal Illumination

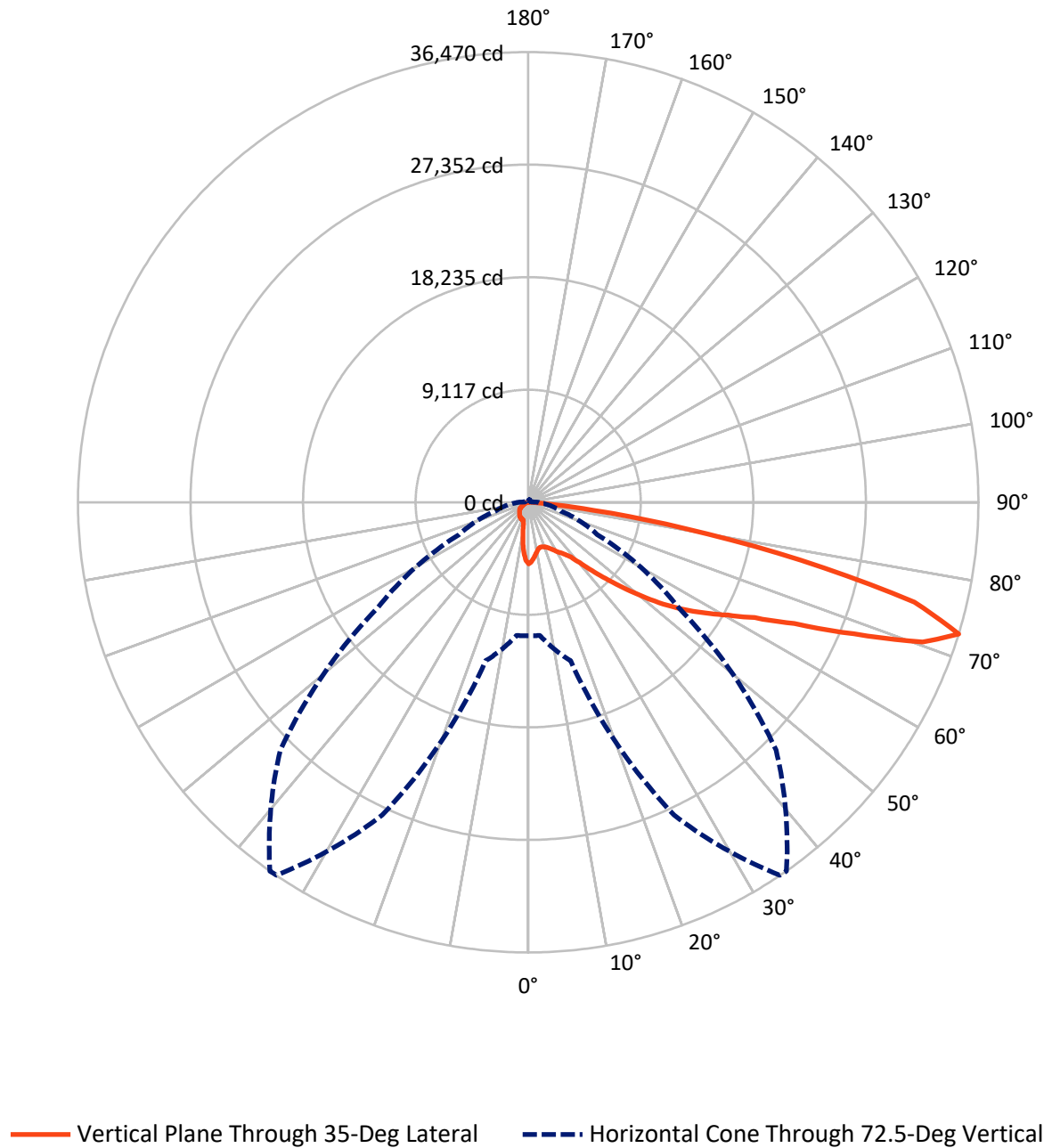
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
Type IV - Short - N/A

REPORT NUMBER: P942478
CATALOG NUMBER: GALN-SB6C-730-U-T4FT-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P942478

CATALOG NUMBER: GALN-SB6C-730-U-T4FT-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3869.9	0.0	3869.9
	% Fixture	11.3	0.0	11.3
Street Side	Lumens	30515.1	0.0	30515.1
	% Fixture	88.7	0.0	88.7
Total	Lumens	34385.0	0.0	34385.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	409.5	1.2
10°-20°	958.0	2.8
20°-30°	1556.3	4.5
30°-40°	2596.6	7.6
40°-50°	4912.9	14.3
50°-60°	7806.5	22.7
60°-70°	9657.2	28.1
70°-80°	6003.0	17.5
80°-90°	485.1	1.4
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°	34385.0	100.0
0°-180°	34385.0	100.0

Coefficient of Utilization



REPORT NUMBER: P942478

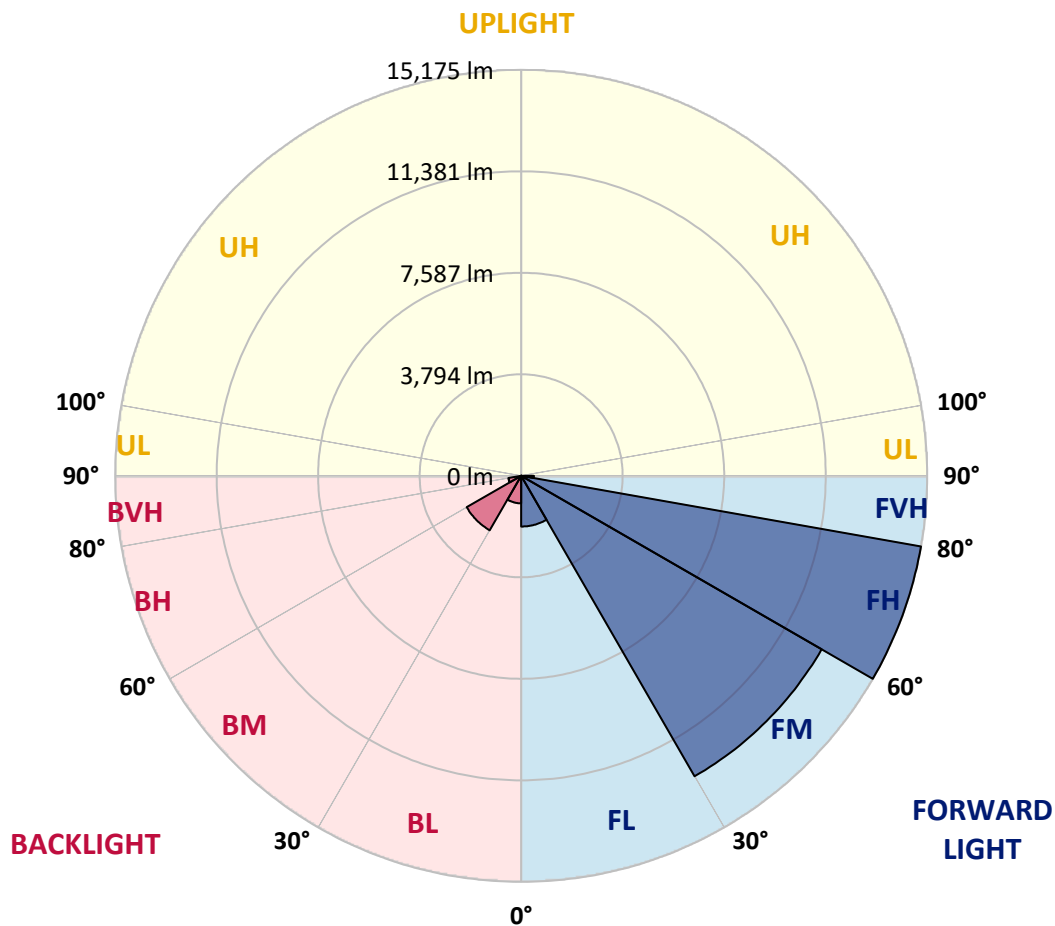
CATALOG NUMBER: GALN-SB6C-730-U-T4FT-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1895.5	5.5			
FM	(30°-60°)	12966.6	37.7			
FH	(60°-80°)	15174.5	44.1			G5
FVH	(80°-90°)	478.5	1.4			G3/500
BL	(0°-30°)	1028.3	3.0	B3/2500		
BM	(30°-60°)	2349.4	6.8	B2/2500		
BH	(60°-80°)	485.6	1.4	B1/500		G1/500
BVH	(80°-90°)	6.6	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



REPORT NUMBER: P942478

CATALOG NUMBER: GALN-SB6C-730-U-T4FT-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	34°	35°	45°	55°	65°	75°	85°
0°	4983.5	4983.5	4983.5	4983.5	4983.5	4983.5	4983.5	4983.5	4983.5	4983.5	4983.5
2.5°	4761.8	4802.1	4809.7	4822.3	4822.3	4837.4	4862.6	4897.9	4955.8	4986.1	5006.2
5°	4388.9	4419.2	4457.0	4487.2	4545.1	4552.7	4651.0	4746.7	4880.2	4981.0	5051.6
7.5°	4013.5	4048.8	4099.2	4172.3	4247.9	4270.5	4419.2	4580.4	4792.1	4981.0	5099.4
10°	3749.0	3751.5	3796.9	3869.9	3990.9	4018.6	4200.0	4429.3	4693.8	4950.8	5144.8
12.5°	3600.3	3618.0	3638.1	3693.6	3809.5	3827.1	4021.1	4290.7	4595.5	4933.1	5197.7
15°	3600.3	3612.9	3625.5	3653.3	3746.5	3761.6	3932.9	4202.5	4545.1	4940.7	5283.4
17.5°	3638.1	3658.3	3648.2	3681.0	3779.2	3789.3	3940.5	4177.3	4542.6	4988.6	5414.4
20°	3728.8	3744.0	3723.8	3744.0	3842.2	3862.4	4018.6	4225.2	4585.5	5071.7	5578.1
22.5°	3872.4	3880.0	3832.1	3847.3	3948.0	3973.2	4154.6	4361.2	4688.8	5205.3	5797.3
25°	4053.8	4069.0	3995.9	4013.5	4109.3	4139.5	4348.6	4565.3	4852.5	5389.2	6077.0
27.5°	4263.0	4270.5	4207.5	4205.0	4328.5	4371.3	4582.9	4817.3	5071.7	5621.0	6429.7
30°	4502.3	4525.0	4464.5	4454.4	4610.7	4645.9	4855.0	5127.1	5394.2	5968.7	6931.1
32.5°	4691.3	4708.9	4673.6	4698.8	4857.6	4885.3	5185.1	5565.5	5900.6	6462.5	7613.9
35°	4963.4	4973.5	4892.8	4938.2	5119.6	5190.1	5636.1	6180.3	6538.1	7082.3	8505.8
37.5°	5948.5	5948.5	5605.9	5381.6	5555.5	5618.4	6253.4	6953.8	7324.1	7913.7	9629.5
40°	7311.5	7288.9	6787.5	6328.9	6306.3	6429.7	7132.7	7928.8	8339.5	8911.4	10894.2
42.5°	8765.3	8730.0	8047.2	7593.7	7518.1	7561.0	8148.0	9130.6	9548.8	10128.3	12254.8
45°	10055.3	10045.2	9420.4	8810.6	8674.6	8810.6	9415.3	10536.5	10836.3	11446.0	13612.8
47.5°	11136.1	11136.1	10680.1	10282.0	10211.5	10292.1	11131.1	12096.0	12068.3	12849.4	14935.5
50°	12380.7	12370.7	11937.3	11766.0	11839.1	11952.4	13106.4	13738.7	13343.2	14227.5	16117.1
52.5°	13252.5	13313.0	13164.3	13136.6	13509.5	13706.0	15111.9	15346.2	14484.5	15535.1	17001.5
55°	13942.8	14013.4	14184.7	14378.7	15096.7	15353.7	17054.4	16870.5	15439.4	16668.9	17510.4
57.5°	14920.4	14819.6	15084.2	15467.1	16628.6	16938.5	18936.4	18309.1	16207.8	17588.5	17565.8
60°	16107.1	16122.2	16167.5	16651.3	18157.9	18556.0	20790.8	19669.6	16701.7	18152.9	16951.1
62.5°	17533.1	17555.8	17649.0	18392.2	20211.3	20586.7	22766.1	20783.2	16928.4	17994.2	15363.8
65°	17434.8	17530.6	18571.1	21113.3	23332.9	23703.3	25071.4	21564.3	16585.8	16542.9	12509.2
67.5°	15882.8	16039.0	17780.0	24363.4	28039.3	28452.5	27857.9	21718.0	15106.8	12864.5	8160.6
70°	13847.1	13902.5	15996.2	27286.0	33489.0	33907.2	30352.2	20027.4	11463.7	7175.5	3655.8
72.5°	10813.6	10826.2	13282.7	27963.8	36446.9	36469.5	28394.6	14867.5	6165.2	2756.3	1269.8
75°	7724.7	7649.2	8896.3	22677.9	32065.5	32322.5	21287.1	6973.9	2355.7	1302.6	632.4
77.5°	4142.0	4225.2	5033.9	13449.0	22151.3	22589.7	11614.8	2010.5	1199.3	886.9	418.2
80°	1279.9	1350.4	2063.5	6157.6	12547.0	12811.6	4305.8	894.4	836.5	632.4	274.6
82.5°	403.1	418.2	962.4	2587.5	5207.8	5328.7	1247.1	506.4	571.9	418.2	161.2
85°	115.9	118.4	428.3	965.0	1287.5	1312.7	350.2	196.5	327.5	259.5	83.1
87.5°	12.6	40.3	161.2	161.2	113.4	110.9	37.8	42.8	93.2	32.8	15.1
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: P942478

CATALOG NUMBER: GALN-SB6C-730-U-T4FT-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4983.5	4983.5	4983.5	4983.5	4983.5	4983.5	4983.5	4983.5	4983.5	4983.5	4983.5
2.5°	4993.6	4996.1	4963.4	4908.0	4847.5	4797.1	4734.1	4683.7	4648.4	4638.4	4656.0
5°	5028.9	5011.3	4918.0	4749.2	4547.7	4373.8	4179.8	4026.1	3925.4	3882.5	3897.6
7.5°	5081.8	5031.4	4827.3	4494.8	4109.3	3766.6	3418.9	3149.4	2978.0	2892.4	2905.0
10°	5127.1	5026.4	4676.2	4126.9	3537.4	3018.3	2549.7	2224.7	2043.3	1957.6	1960.2
12.5°	5170.0	5023.9	4479.6	3691.0	2892.4	2257.5	1821.6	1660.3	1610.0	1592.3	1587.3
15°	5250.6	5031.4	4232.7	3192.2	2249.9	1705.7	1547.0	1544.4	1554.5	1549.5	1547.0
17.5°	5361.5	5039.0	3953.1	2663.1	1735.9	1504.1	1496.6	1519.2	1534.4	1526.8	1524.3
20°	5505.1	5069.2	3655.8	2139.0	1491.5	1453.7	1471.4	1491.5	1504.1	1491.5	1489.0
22.5°	5706.6	5122.1	3330.8	1718.3	1413.4	1423.5	1438.6	1461.3	1473.9	1456.3	1453.7
25°	5953.5	5205.3	3010.8	1494.1	1375.6	1388.2	1410.9	1436.1	1451.2	1433.6	1431.1
27.5°	6273.5	5338.8	2716.0	1443.7	1337.8	1345.4	1378.2	1416.0	1436.1	1413.4	1413.4
30°	6737.1	5558.0	2461.5	1466.3	1315.2	1297.5	1342.9	1395.8	1418.5	1398.3	1395.8
32.5°	7351.9	5867.9	2305.3	1501.6	1305.1	1242.1	1284.9	1353.0	1390.8	1378.2	1378.2
35°	8158.1	6339.0	2244.9	1541.9	1297.5	1184.2	1214.4	1287.5	1353.0	1365.6	1365.6
37.5°	9135.6	6994.1	2262.5	1559.6	1274.9	1136.3	1151.4	1214.4	1300.1	1340.4	1350.4
40°	10246.7	7757.5	2363.3	1541.9	1249.7	1096.0	1098.5	1146.4	1221.9	1282.4	1302.6
42.5°	11393.1	8649.4	2549.7	1476.4	1227.0	1060.7	1053.1	1085.9	1136.3	1179.1	1196.8
45°	12484.0	9566.5	2733.6	1385.7	1199.3	1025.4	1007.8	1020.4	1030.5	1048.1	1058.2
47.5°	13436.4	10211.5	2680.7	1302.6	1161.5	985.1	954.9	949.8	919.6	917.1	914.6
50°	14094.0	10352.6	2380.9	1219.4	1106.1	939.8	891.9	861.7	808.8	783.6	786.1
52.5°	14303.1	9795.8	1945.0	1136.3	1015.4	879.3	811.3	763.4	697.9	675.2	672.7
55°	14026.0	8704.8	1554.5	1035.5	889.4	798.7	723.1	660.1	607.2	579.5	579.5
57.5°	13348.2	7316.6	1229.5	917.1	755.8	708.0	632.4	569.4	524.1	496.3	491.3
60°	12224.5	5809.9	972.5	776.0	645.0	609.7	531.6	491.3	451.0	418.2	410.7
62.5°	10518.8	4147.1	763.4	614.8	539.2	498.9	453.5	423.3	375.4	330.1	322.5
65°	8208.5	2537.1	589.6	451.0	433.4	413.2	385.5	357.8	299.8	254.5	246.9
67.5°	5177.5	1201.8	420.8	340.1	342.6	332.6	320.0	297.3	254.5	214.2	209.1
70°	2280.1	582.0	277.1	259.5	254.5	254.5	264.5	257.0	216.7	178.9	171.3
72.5°	776.0	312.4	206.6	196.5	183.9	181.4	221.7	214.2	173.8	138.6	131.0
75°	405.6	209.1	151.2	141.1	110.9	133.5	176.4	166.3	123.5	90.7	83.1
77.5°	264.5	148.6	103.3	90.7	63.0	88.2	131.0	115.9	73.1	45.4	40.3
80°	166.3	98.3	60.5	42.8	30.2	47.9	70.5	50.4	27.7	10.1	7.6
82.5°	88.2	50.4	22.7	15.1	12.6	15.1	17.6	12.6	5.0	0.0	0.0
85°	35.3	17.6	7.6	5.0	2.5	0.0	5.0	2.5	0.0	0.0	0.0
87.5°	12.6	2.5	0.0	0.0	0.0	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)