

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: P953411

Luminaire Tested: **GALN-SB7A-722-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953411
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7A-722-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 2200K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22313 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G3

Input Watts (W): 199.1
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

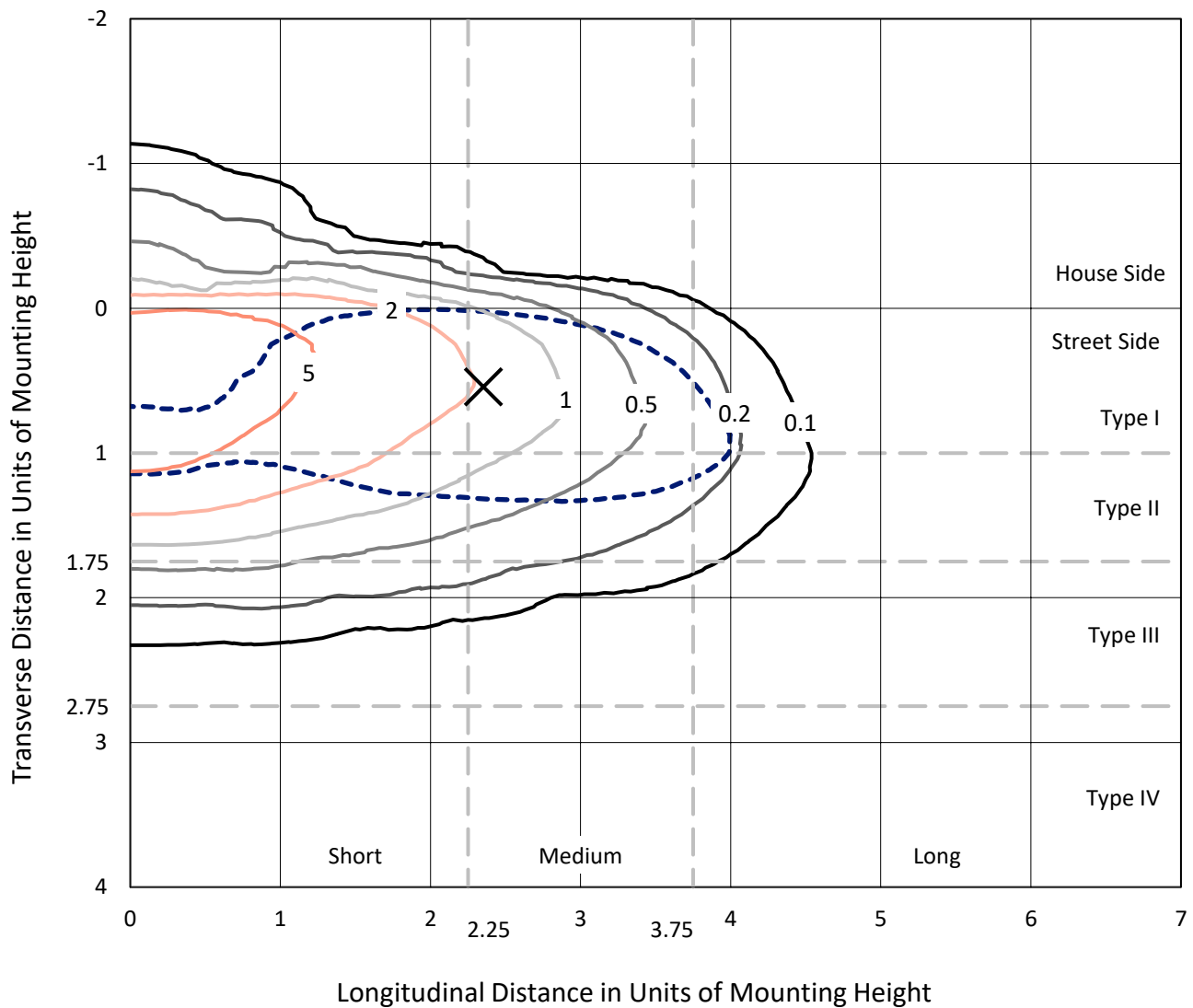


REPORT NUMBER: P953411

CATALOG NUMBER: GALN-SB7A-722-U-T2R-HSS

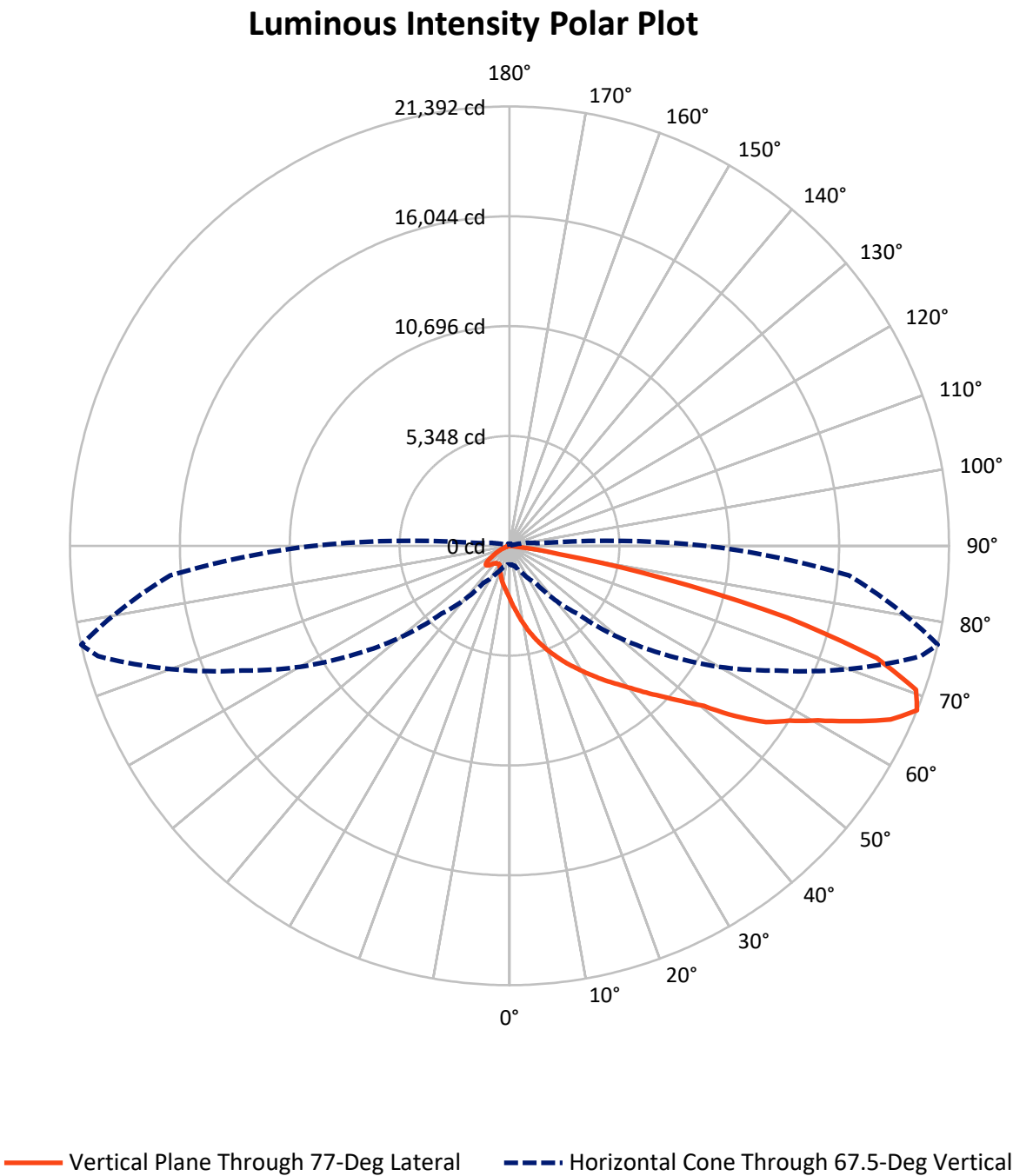
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.6 fc
Type II - Medium - N/A

REPORT NUMBER: P953411
CATALOG NUMBER: GALN-SB7A-722-U-T2R-HSS



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1641.6	0.0	1641.6
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	20671.4	0.0	20671.4
	% Fixture	92.6	0.0	92.6
Total	Lumens	22313.0	0.0	22313.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.6	1.2
10°-20°	919.7	4.1
20°-30°	1774.7	8.0
30°-40°	3081.0	13.8
40°-50°	4473.4	20.0
50°-60°	5137.1	23.0
60°-70°	4460.0	20.0
70°-80°	2100.7	9.4
80°-90°	103.9	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°	22313.0	100.0
0°-180°	22313.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953411

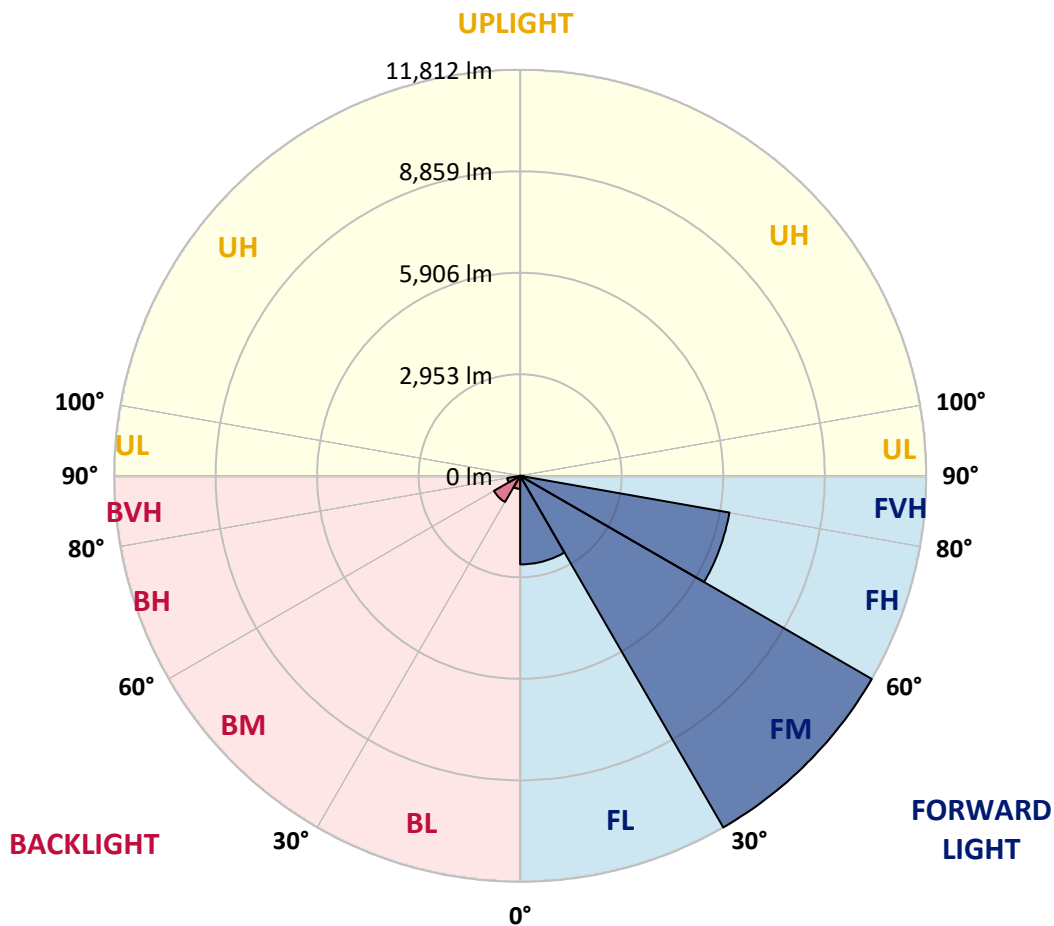
CATALOG NUMBER: GALN-SB7A-722-U-T2R-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2576.9	11.5			
FM	(30°-60°)	11811.9	52.9			
FH	(60°-80°)	6180.6	27.7			G3/7500
FVH	(80°-90°)	102.0	0.5			G2/225
BL	(0°-30°)	380.0	1.7	B1/500		
BM	(30°-60°)	879.6	3.9	B1/1000		
BH	(60°-80°)	380.0	1.7	B1/500		G1/500
BVH	(80°-90°)	1.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G3

Type II Medium



REPORT NUMBER: P953411

CATALOG NUMBER: GALN-SB7A-722-U-T2R-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	2573.0	2573.0	2573.0	2573.0	2573.0	2573.0	2573.0	2573.0	2573.0	2573.0	2573.0
2.5°	3562.3	3584.5	3552.6	3491.7	3400.2	3340.6	3195.1	3058.0	2905.6	2857.1	2704.6
5°	4342.4	4361.8	4325.8	4259.3	4137.3	4020.9	3829.7	3542.9	3245.0	3149.4	2879.2
7.5°	4920.2	4931.3	4917.4	4856.4	4740.1	4608.4	4395.1	4055.6	3613.6	3508.3	3094.0
10°	5335.9	5371.9	5367.7	5344.2	5266.6	5159.9	4932.7	4546.1	4026.5	3890.7	3336.5
12.5°	5611.6	5651.8	5675.3	5728.0	5723.8	5655.9	5456.4	5047.7	4438.0	4278.7	3609.4
15°	5692.0	5734.9	5825.0	5946.9	6055.0	6089.6	5949.7	5539.5	4891.1	4687.4	3889.3
17.5°	5646.2	5712.7	5820.8	6013.4	6250.3	6406.9	6391.7	6014.8	5302.6	5069.8	4163.7
20°	5747.4	5811.1	5895.6	6057.7	6333.5	6617.5	6731.1	6469.3	5711.3	5467.5	4451.9
22.5°	6307.1	6296.1	6304.4	6330.7	6495.6	6776.9	7011.0	6882.2	6115.9	5866.5	4756.7
25°	7193.9	7144.0	7059.5	6916.8	6875.2	7011.0	7254.9	7248.0	6542.7	6275.3	5068.4
27.5°	8210.9	8202.6	8004.5	7660.9	7466.9	7414.2	7530.6	7604.0	6965.3	6679.9	5381.6
30°	9185.0	9207.2	8939.7	8557.3	8201.2	7994.8	7889.5	7942.1	7394.8	7116.3	5704.4
32.5°	10033.0	10056.5	9765.5	9318.0	8877.4	8628.0	8406.3	8276.1	7863.2	7559.7	6059.1
35°	10749.3	10772.9	10438.9	9944.3	9474.6	9248.7	8997.9	8641.8	8334.2	8051.6	6454.0
37.5°	11389.4	11382.5	10935.0	10436.2	9974.8	9796.0	9664.4	9092.2	8819.2	8546.2	6891.9
40°	11767.7	11796.8	11414.4	10864.3	10416.8	10286.5	10278.2	9650.5	9379.0	9114.3	7371.3
42.5°	11878.6	11929.8	11652.7	11201.0	10795.0	10653.7	10871.2	10254.7	10030.2	9772.5	7913.0
45°	11679.0	11728.9	11602.8	11289.7	11052.7	10961.3	11381.1	10880.9	10725.8	10470.8	8524.1
47.5°	11097.1	11159.4	11189.9	11123.4	11120.6	11213.5	11838.4	11540.5	11551.6	11291.1	9232.1
50°	9970.6	10075.9	10355.8	10591.4	10955.8	11413.0	12283.1	12255.4	12482.7	12258.2	10154.9
52.5°	7922.7	8072.4	9036.7	9681.0	10499.9	11375.6	12772.3	13402.7	14116.3	13787.9	11456.0
55°	6366.7	6366.7	7151.0	8356.4	9610.4	11129.0	12985.6	14148.1	15228.9	15151.3	12371.8
57.5°	5190.4	5252.7	5752.9	6818.4	8323.2	10541.5	13117.3	14616.5	16125.3	16068.5	13266.9
60°	3203.5	3337.9	4282.8	5334.5	6858.6	9495.4	13034.1	15090.3	17213.0	17258.7	14344.9
62.5°	1804.0	1853.9	2275.1	3838.0	5333.1	8089.0	12398.1	15355.0	18604.1	18798.1	15456.1
65°	1245.6	1270.6	1432.7	2388.7	3696.7	6440.2	11155.3	15190.1	19998.0	20390.2	16398.3
67.5°	904.8	917.3	1018.4	1459.0	2193.4	4669.4	9207.2	14358.7	20736.5	21391.9	16578.4
70°	695.6	703.9	777.3	958.8	1295.5	2882.0	6686.8	12705.7	20201.7	20984.6	15655.6
72.5°	565.3	573.6	630.4	709.4	859.1	1704.3	4052.8	10318.4	17840.7	18685.9	13327.9
75°	476.6	487.7	539.0	590.3	673.4	1094.6	1901.0	7185.6	13416.5	13970.8	9268.1
77.5°	264.6	243.9	437.8	489.1	568.1	692.8	889.5	4228.8	7514.0	7667.8	4112.4
80°	164.9	170.4	347.8	393.5	436.5	349.2	407.4	1628.1	2604.9	2474.6	796.7
82.5°	9.7	22.2	267.4	284.0	299.3	149.6	153.8	552.8	627.7	576.4	141.3
85°	0.0	0.0	121.9	98.4	103.9	43.0	44.3	128.9	84.5	91.4	27.7
87.5°	0.0	0.0	0.0	2.8	0.0	4.2	8.3	11.1	4.2	5.5	9.7
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: P953411

CATALOG NUMBER: GALN-SB7A-722-U-T2R-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2573.0	2573.0	2573.0	2573.0	2573.0	2573.0	2573.0	2573.0	2573.0	2573.0	2573.0
2.5°	2607.7	2510.7	2313.9	2121.3	1964.7	1819.3	1715.3	1617.0	1567.1	1564.3	1561.5
5°	2686.6	2483.0	2089.5	1741.7	1461.8	1237.3	1091.8	987.9	935.3	917.3	914.5
7.5°	2797.5	2491.3	1892.7	1409.1	1079.4	886.8	803.6	770.4	759.3	746.8	744.1
10°	2937.4	2510.7	1716.7	1134.8	850.7	753.8	720.5	706.6	698.3	690.0	687.2
12.5°	3094.0	2528.7	1542.1	942.2	748.2	698.3	674.8	658.1	647.1	637.4	634.6
15°	3246.4	2539.8	1360.6	807.8	695.6	655.4	630.4	612.4	597.2	586.1	584.7
17.5°	3397.4	2555.0	1190.2	727.4	652.6	612.4	587.5	565.3	552.8	540.4	539.0
20°	3565.1	2552.2	1029.5	670.6	609.7	569.5	543.1	522.4	509.9	496.0	494.7
22.5°	3720.3	2538.4	888.2	622.1	565.3	526.5	497.4	476.6	464.2	453.1	451.7
25°	3899.0	2527.3	770.4	577.8	523.7	485.0	453.1	433.7	419.8	410.1	408.7
27.5°	4070.8	2510.7	684.5	537.6	483.6	446.2	415.7	393.5	381.0	374.1	374.1
30°	4239.9	2506.5	652.6	498.8	447.5	410.1	379.6	358.9	349.2	346.4	345.0
32.5°	4443.5	2517.6	666.5	485.0	414.3	376.9	347.8	332.5	322.8	322.8	322.8
35°	4661.1	2514.8	687.2	497.4	392.1	343.6	321.5	311.8	302.1	302.1	302.1
37.5°	4934.0	2519.0	703.9	518.2	383.8	315.9	303.4	291.0	285.4	285.4	285.4
40°	5341.4	2656.2	695.6	536.2	381.0	296.5	271.6	267.4	263.3	263.3	263.3
42.5°	5840.2	2954.1	706.6	537.6	379.6	282.7	249.4	257.7	248.0	246.6	245.2
45°	6386.1	3279.7	777.3	508.5	378.3	275.7	238.3	248.0	232.8	232.8	232.8
47.5°	6927.9	3602.5	849.4	466.9	374.1	274.3	228.6	223.1	218.9	220.3	220.3
50°	7674.7	3865.8	877.1	410.1	364.4	271.6	210.6	212.0	209.2	212.0	212.0
52.5°	8488.0	3921.2	843.8	346.4	336.7	263.3	198.1	203.7	202.3	205.1	205.1
55°	8995.2	3861.6	696.9	288.2	293.7	230.0	185.7	196.8	196.8	196.8	196.8
57.5°	9518.9	3608.0	494.7	234.2	243.9	188.4	174.6	189.8	188.4	187.1	187.1
60°	9895.8	3197.9	325.6	192.6	194.0	155.2	162.1	178.7	177.4	170.4	170.4
62.5°	10177.1	2744.8	209.2	163.5	148.3	139.9	148.3	162.1	156.6	141.3	138.6
65°	10145.2	2117.2	160.7	139.9	121.9	121.9	128.9	141.3	124.7	99.8	97.0
67.5°	9553.6	1432.7	133.0	117.8	102.5	101.1	106.7	117.8	106.7	84.5	81.7
70°	8496.4	936.7	106.7	91.4	81.7	74.8	85.9	101.1	90.1	67.9	65.1
72.5°	6896.0	570.9	80.4	66.5	59.6	48.5	67.9	83.1	72.1	49.9	47.1
75°	4461.6	291.0	55.4	43.0	31.9	29.1	49.9	62.4	49.9	30.5	26.3
77.5°	1707.0	121.9	30.5	19.4	16.6	13.9	27.7	37.4	20.8	6.9	5.5
80°	328.4	51.3	15.2	9.7	8.3	5.5	4.2	2.8	0.0	0.0	0.0
82.5°	56.8	16.6	5.5	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	19.4	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	6.9	0.0	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)