

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: P948775

Luminaire Tested: **GALN-SB3D-722-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P948775
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB3D-722-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(3) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25893 lumens
Efficiency: N/A
Efficacy: 118.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 218.1
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



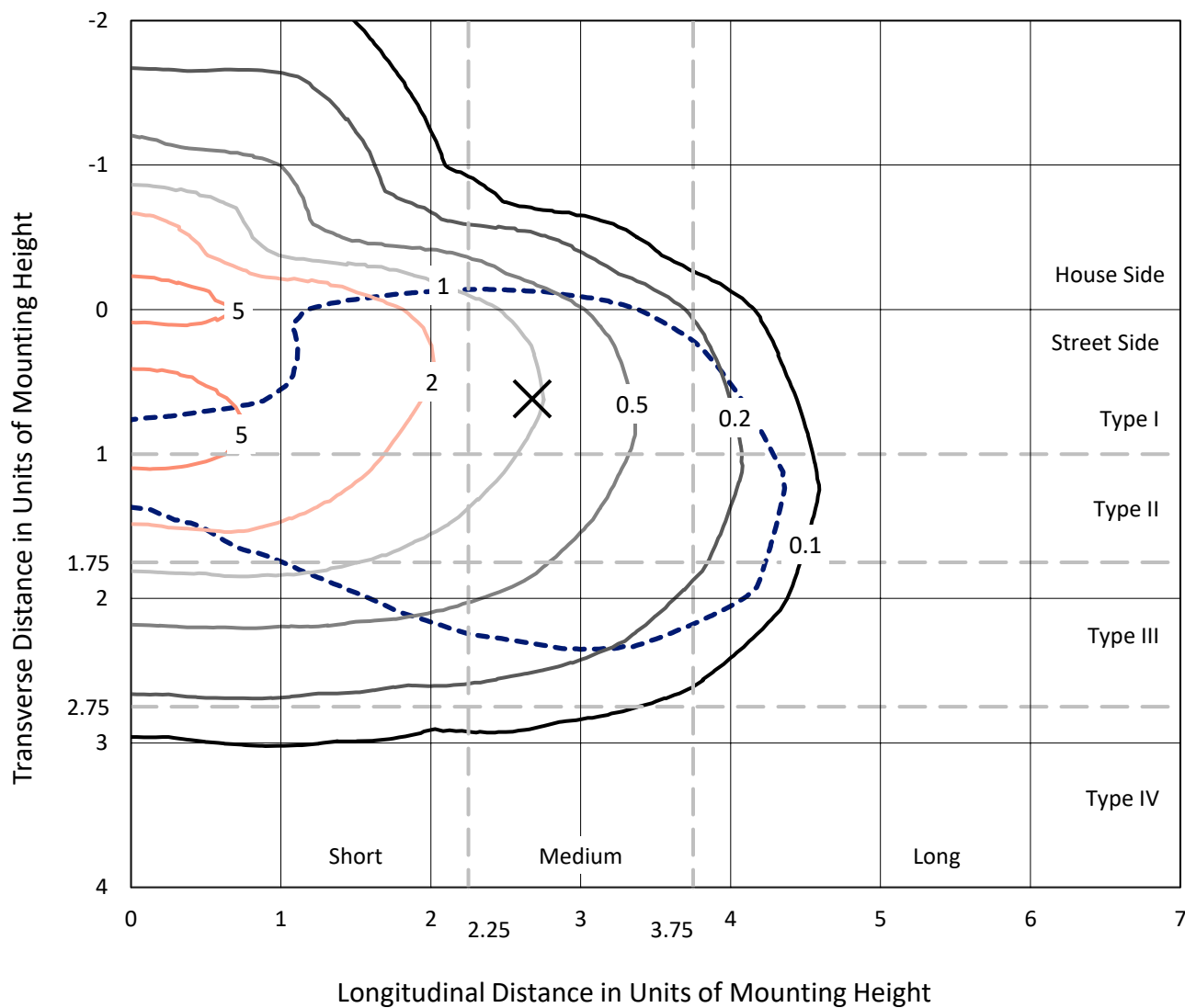
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

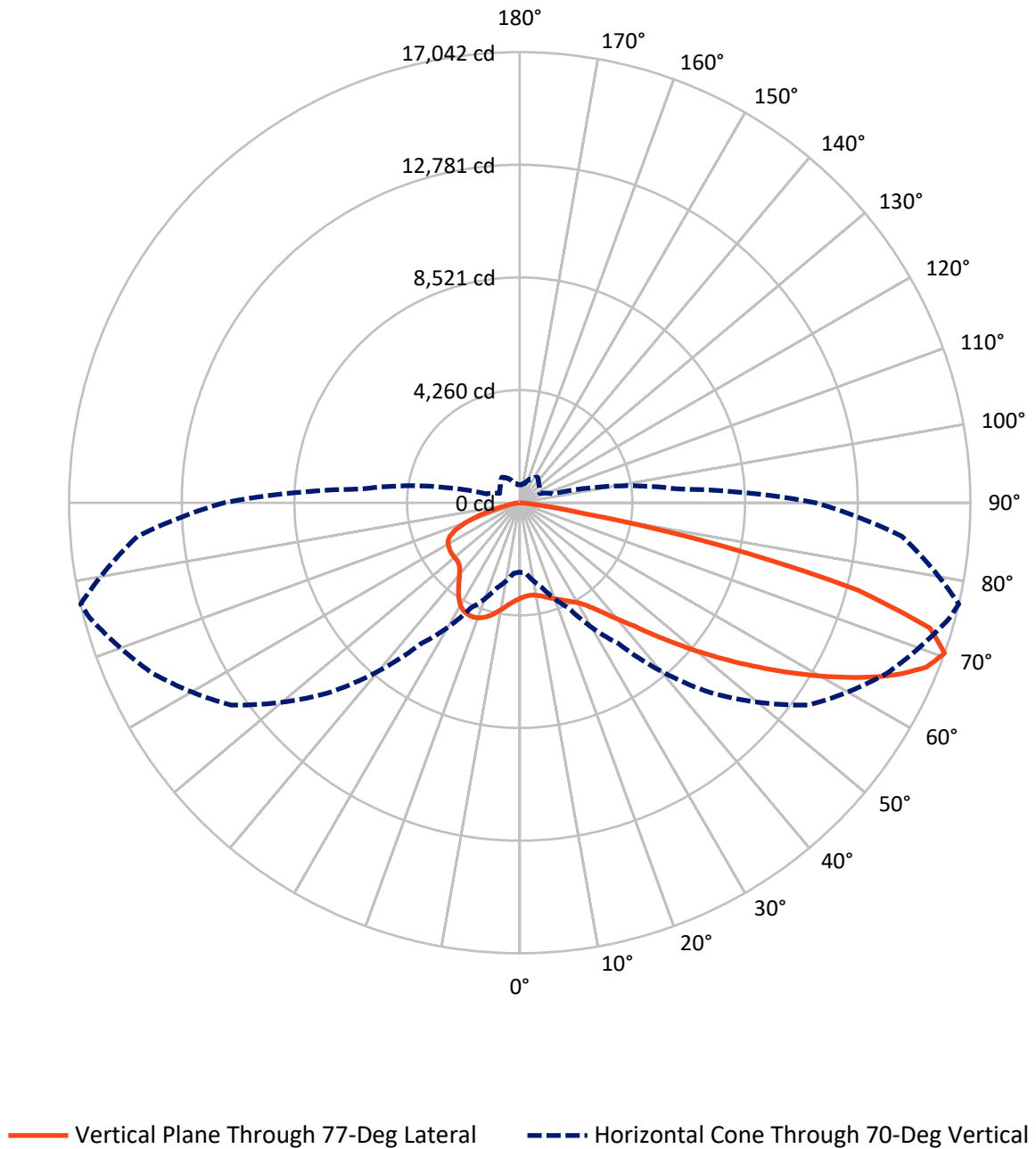


Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5670.2	0.0	5670.2
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	20222.8	0.0	20222.8
	% Fixture	78.1	0.0	78.1
Total	Lumens	25893.0	0.0	25893.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.5	1.3
10°-20°	994.3	3.8
20°-30°	1700.4	6.6
30°-40°	2734.4	10.6
40°-50°	4269.2	16.5
50°-60°	5702.6	22.0
60°-70°	6078.1	23.5
70°-80°	3741.6	14.5
80°-90°	327.9	1.3
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°	25893.0	100.0
0°-180°	25893.0	100.0

Coefficient of Utilization



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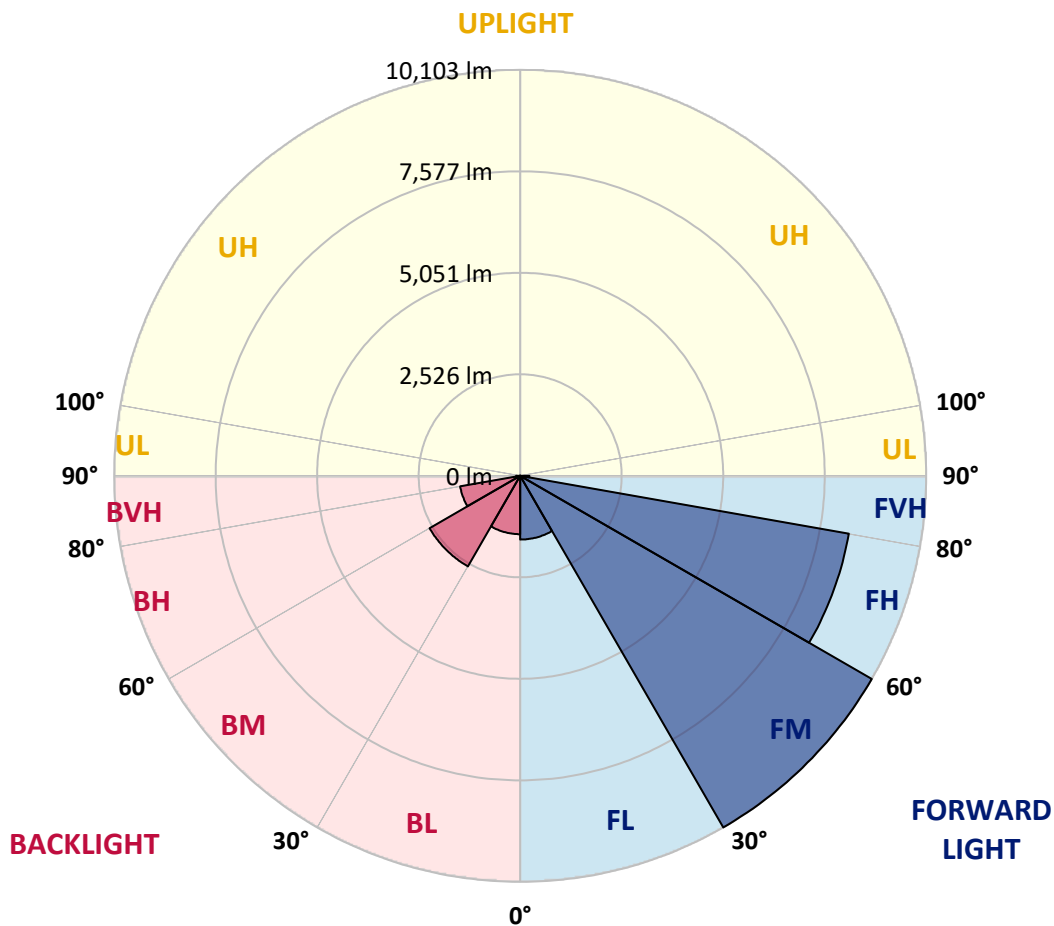
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1586.4	6.1			
FM	(30°-60°)	10102.9	39.0			
FH	(60°-80°)	8304.3	32.1			G4/12000
FVH	(80°-90°)	229.3	0.9			G3/500
BL	(0°-30°)	1452.9	5.6	B3/2500		
BM	(30°-60°)	2603.3	10.1	B3/5000		
BH	(60°-80°)	1515.4	5.9	B3/2500		G3/2500
BVH	(80°-90°)	98.6	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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3612.3	3612.3	3612.3	3612.3	3612.3	3612.3	3612.3	3612.3	3612.3	3612.3	3612.3
2.5°	3329.8	3328.5	3345.8	3351.1	3382.9	3405.4	3447.9	3493.0	3551.3	3557.9	3593.7
5°	3137.6	3137.6	3157.5	3178.7	3219.8	3264.9	3329.8	3408.1	3508.9	3524.8	3613.6
7.5°	2974.5	2985.1	3002.3	3043.4	3091.2	3156.1	3255.6	3367.0	3499.6	3524.8	3668.0
10°	2843.2	2855.1	2876.3	2909.5	2981.1	3071.3	3201.2	3344.4	3522.1	3561.9	3747.6
12.5°	2802.1	2814.0	2825.9	2851.1	2917.4	3023.5	3178.7	3355.0	3576.5	3616.3	3856.3
15°	2897.5	2912.1	2902.8	2896.2	2930.7	3027.5	3189.3	3393.5	3644.1	3701.2	3990.2
17.5°	3117.7	3123.0	3101.8	3039.4	3034.1	3085.8	3239.7	3446.5	3729.0	3791.3	4125.5
20°	3473.1	3463.8	3420.0	3296.7	3226.4	3215.8	3325.9	3526.1	3816.5	3882.8	4271.4
22.5°	3955.8	3945.2	3857.6	3662.7	3506.2	3402.8	3450.5	3629.5	3914.7	3988.9	4413.3
25°	4557.8	4543.2	4414.6	4149.4	3906.7	3650.8	3620.3	3766.1	4035.3	4104.3	4561.8
27.5°	5260.7	5248.7	5109.5	4759.4	4409.3	3990.2	3831.1	3926.6	4161.3	4239.6	4728.9
30°	6016.5	6051.0	5804.4	5427.7	4984.8	4433.2	4114.9	4124.2	4324.4	4394.7	4931.8
32.5°	6905.0	6964.7	6667.7	6190.3	5585.6	4914.5	4473.0	4400.0	4561.8	4620.1	5187.7
35°	7785.6	7853.2	7606.5	7078.7	6382.5	5482.1	4846.9	4717.0	4877.4	4941.1	5527.2
37.5°	8546.7	8636.9	8509.6	8050.8	7235.2	6166.4	5334.9	5089.6	5266.0	5345.5	5983.4
40°	9147.5	9285.4	9276.1	8989.7	8240.4	6996.5	5954.2	5549.7	5748.7	5834.9	6536.4
42.5°	9635.5	9754.8	9858.3	9843.7	9289.4	7939.4	6682.2	6147.8	6299.0	6398.5	7158.3
45°	9972.3	10099.6	10322.4	10562.4	10298.5	8948.6	7516.4	6857.3	6995.2	7145.1	7899.6
47.5°	10273.3	10417.9	10707.0	11087.6	11155.2	9961.7	8430.0	7683.5	7809.4	7964.6	8643.6
50°	10299.9	10424.5	10872.7	11412.5	11763.9	10935.1	9411.4	8610.4	8728.4	8894.2	9440.5
52.5°	9659.3	9855.6	10638.0	11403.2	12043.7	11749.3	10386.1	9574.5	9707.1	9906.0	10265.4
55°	7497.8	7785.6	9949.8	11047.8	11944.2	12275.8	11313.0	10599.6	10769.3	10977.5	11095.5
57.5°	6458.1	6584.1	7898.3	10400.6	11490.7	12412.3	12095.4	11635.2	11908.4	12136.5	11973.4
60°	5804.4	5909.1	6686.2	9394.1	10894.0	12196.2	12700.1	12600.6	13072.7	13344.6	12871.2
62.5°	5104.2	5203.6	5910.4	7843.9	10130.1	11836.8	13082.0	13491.8	14266.2	14563.3	13717.2
65°	4409.3	4494.2	5171.8	6590.7	9159.4	11477.4	13279.6	14262.3	15370.9	15678.5	14420.1
67.5°	3634.9	3705.1	4345.6	5560.4	7979.2	10985.5	13377.7	14868.3	16332.3	16596.2	14767.5
70°	2623.0	2677.4	3339.1	4397.4	6497.9	10139.4	13338.0	15297.9	16830.9	17041.8	14504.9
72.5°	1239.9	1289.0	2066.1	2855.1	4589.6	8492.4	12533.0	14957.1	16324.4	16219.6	12897.7
75°	661.7	704.2	1186.9	1566.1	2424.1	5821.6	10256.1	12884.4	13707.9	13198.7	9532.0
77.5°	448.2	481.4	734.7	940.2	1107.3	2763.6	6592.1	8920.7	8582.6	7741.8	4774.0
80°	355.4	389.9	602.1	636.5	535.7	998.6	2723.8	4129.5	2966.5	2372.4	1357.9
82.5°	273.2	311.6	506.6	461.5	291.7	409.8	793.0	1306.2	759.9	578.2	328.9
85°	167.1	208.2	397.8	294.4	164.4	187.0	269.2	363.4	232.1	193.6	118.0
87.5°	84.9	119.3	201.6	107.4	74.3	43.8	71.6	71.6	61.0	53.0	30.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3612.3	3612.3	3612.3	3612.3	3612.3	3612.3	3612.3	3612.3	3612.3	3612.3	3612.3
2.5°	3625.6	3652.1	3697.2	3739.6	3772.8	3804.6	3836.4	3853.7	3859.0	3880.2	3892.1
5°	3668.0	3717.1	3804.6	3886.8	3938.5	3970.4	3992.9	4006.2	4008.8	4015.4	4026.1
7.5°	3746.2	3824.5	3946.5	4028.7	4067.2	4064.5	4055.2	4022.1	4008.8	3996.9	3999.5
10°	3856.3	3959.7	4109.6	4166.6	4142.8	4079.1	3996.9	3900.1	3855.0	3811.2	3798.0
12.5°	3992.9	4124.2	4271.4	4268.7	4150.7	3987.6	3796.6	3648.1	3554.0	3486.3	3470.4
15°	4158.7	4309.8	4422.6	4332.4	4073.8	3780.7	3500.9	3307.3	3222.4	3148.2	3140.2
17.5°	4329.7	4491.5	4543.2	4312.5	3880.2	3474.4	3157.5	3005.0	2921.4	2881.6	2893.6
20°	4496.8	4657.3	4614.8	4198.4	3585.8	3127.0	2844.5	2761.0	2743.7	2753.0	2749.0
22.5°	4673.2	4816.4	4629.4	3978.3	3210.5	2771.6	2616.4	2619.1	2657.5	2685.4	2692.0
25°	4853.5	4950.3	4591.0	3660.0	2807.4	2510.3	2471.9	2514.3	2589.9	2644.3	2658.8
27.5°	5027.3	5069.7	4507.4	3266.2	2461.3	2323.3	2330.0	2417.5	2531.5	2607.1	2625.7
30°	5223.5	5175.8	4347.0	2823.3	2221.2	2162.9	2218.6	2320.7	2434.7	2502.4	2518.3
32.5°	5445.0	5267.3	4092.4	2413.5	2051.5	2034.2	2125.7	2192.1	2242.4	2262.3	2272.9
35°	5720.8	5395.9	3766.1	2125.7	1899.0	1940.1	2027.6	1994.5	1974.6	1964.0	1974.6
37.5°	6078.9	5569.6	3384.2	1938.8	1775.7	1872.5	1908.3	1804.8	1726.6	1688.1	1697.4
40°	6509.8	5824.3	3016.9	1794.2	1697.4	1814.1	1751.8	1627.1	1527.7	1473.3	1477.3
42.5°	6988.6	6090.8	2707.9	1685.5	1653.7	1766.4	1636.4	1487.9	1327.4	1310.2	1327.4
45°	7491.2	6365.3	2497.1	1601.9	1632.4	1725.3	1570.1	1330.1	1216.0	1286.3	1323.5
47.5°	7993.8	6617.3	2369.7	1539.6	1621.8	1678.8	1511.8	1242.6	1161.7	1263.8	1311.5
50°	8553.4	6842.7	2312.7	1494.5	1609.9	1660.3	1424.2	1220.0	1104.6	1172.3	1222.7
52.5°	9109.0	7017.7	2270.3	1449.4	1592.7	1645.7	1381.8	1193.5	1035.7	1039.7	1067.5
55°	9663.3	7131.8	2223.9	1389.8	1554.2	1613.9	1377.8	1164.3	984.0	965.4	978.7
57.5°	10254.8	7196.8	2166.9	1323.5	1487.9	1533.0	1373.8	1141.8	968.1	937.6	941.5
60°	10856.8	7292.3	2092.6	1242.6	1399.0	1436.2	1364.6	1133.8	958.8	907.1	911.0
62.5°	11396.5	7325.4	2003.7	1165.6	1285.0	1340.7	1344.7	1127.2	933.6	844.7	844.7
65°	11750.6	7182.2	1848.6	1078.1	1161.7	1242.6	1306.2	1104.6	888.5	799.6	799.6
67.5°	11736.0	6773.7	1605.9	965.4	1042.3	1133.8	1250.5	1066.2	834.1	743.9	747.9
70°	11189.7	5967.5	1298.3	834.1	911.0	1017.1	1178.9	1009.2	769.1	682.9	690.9
72.5°	9597.0	4670.5	942.9	680.3	758.5	896.4	1086.1	940.2	702.8	628.6	624.6
75°	6856.0	2955.9	639.2	522.5	590.1	759.9	970.7	859.3	641.8	631.2	595.4
77.5°	3502.2	1412.3	423.0	381.9	411.1	599.4	815.6	767.8	651.1	521.2	464.1
80°	1139.1	521.2	266.5	259.9	273.2	399.2	631.2	629.9	493.3	354.1	313.0
82.5°	363.4	224.1	173.7	167.1	160.5	250.6	440.3	498.6	332.9	224.1	222.8
85°	144.5	133.9	102.1	94.2	67.6	118.0	230.7	331.5	248.0	161.8	165.8
87.5°	53.0	53.0	27.8	19.9	14.6	39.8	62.3	99.5	141.9	83.5	82.2
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)