

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: P952330

Luminaire Tested: **GALN-SB6B-722-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952330
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-14)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-722-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2200K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28689 lumens
Efficiency: N/A
Efficacy: 130.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 220.4
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



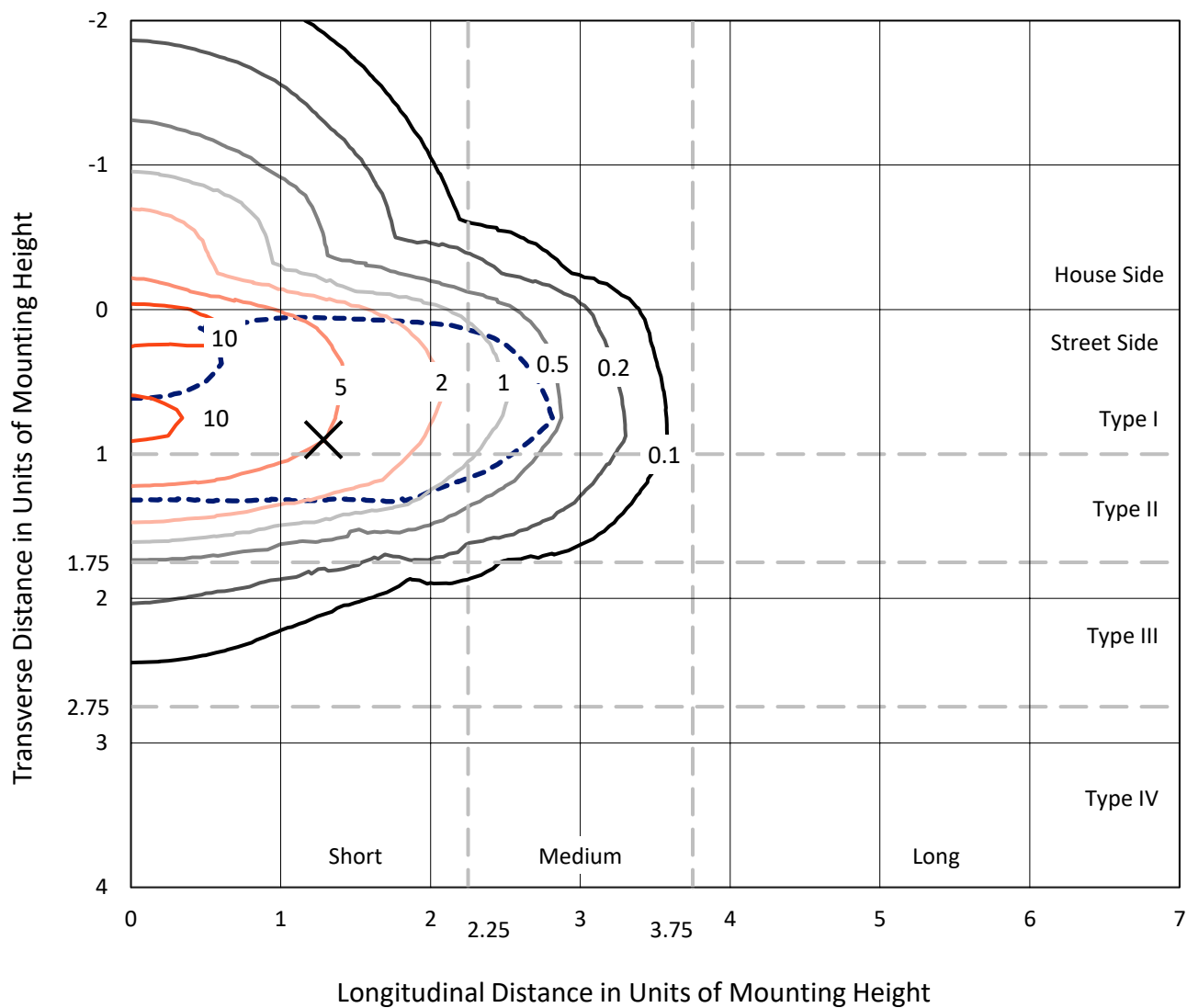
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

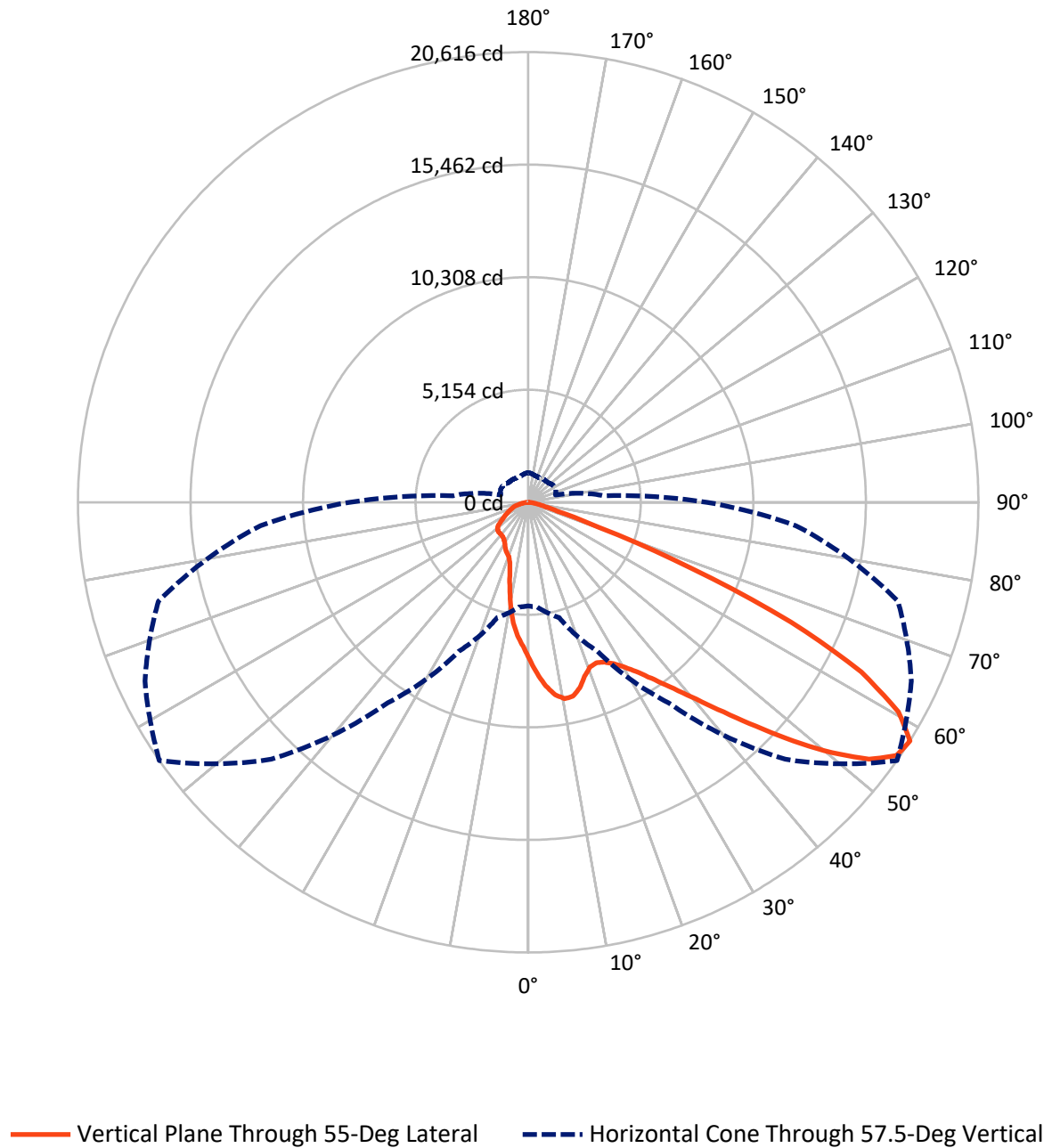


Based on 25 foot mounting height. Maximum calculated value = 13.9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5191.1	0.0	5191.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	23497.9	0.0	23497.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	28689.0	0.0	28689.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	667.0	2.3
10°-20°	1683.7	5.9
20°-30°	2686.7	9.4
30°-40°	4253.7	14.8
40°-50°	6510.6	22.7
50°-60°	6973.5	24.3
60°-70°	4387.1	15.3
70°-80°	1297.3	4.5
80°-90°	229.4	0.8
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°	28689.0	100.0
0°-180°	28689.0	100.0

Coefficient of Utilization



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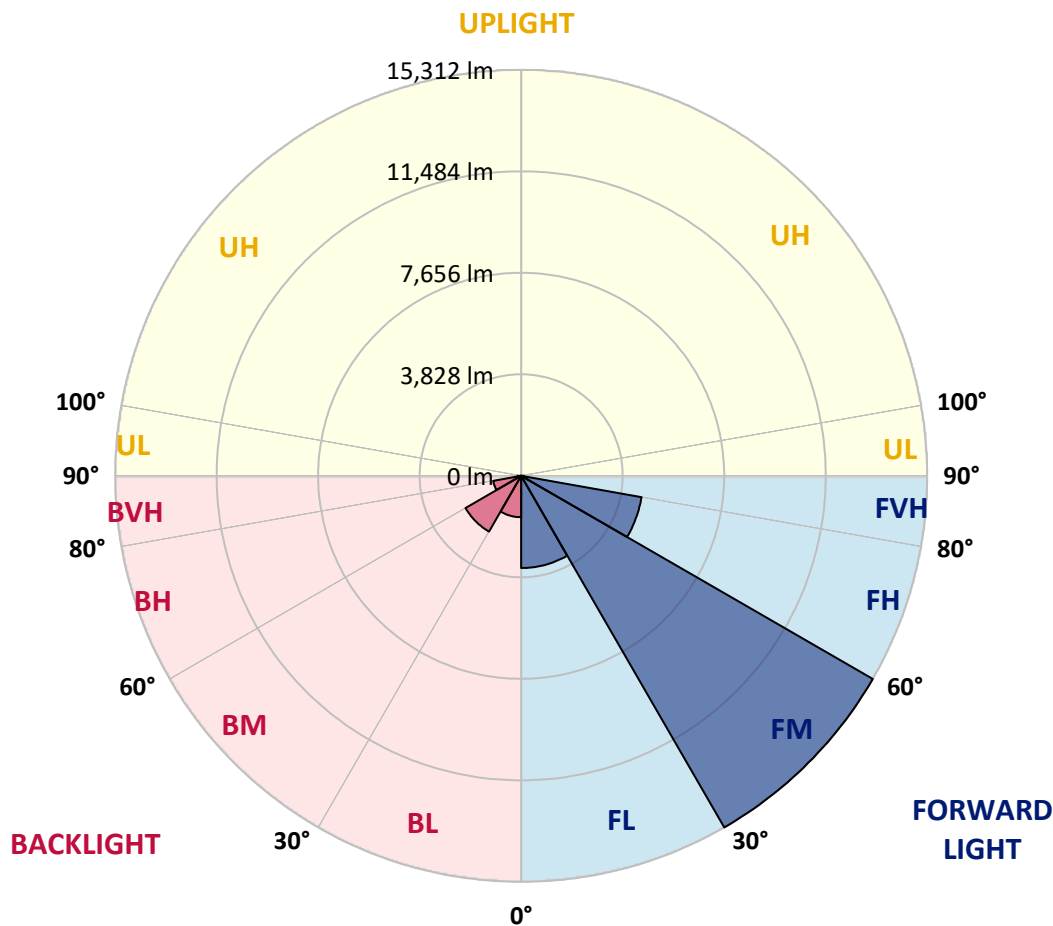
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3477.1	12.1			
FM	(30°-60°)	15311.5	53.4			
FH	(60°-80°)	4612.3	16.1			G2/5000
FVH	(80°-90°)	96.9	0.3			G1/100
BL	(0°-30°)	1560.3	5.4	B3/2500		
BM	(30°-60°)	2426.3	8.5	B2/2500		
BH	(60°-80°)	1072.1	3.7	B3/2500		G3/2500
BVH	(80°-90°)	132.5	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7188.5	7188.5	7188.5	7188.5	7188.5	7188.5	7188.5	7188.5	7188.5	7188.5	7188.5
2.5°	8247.5	8241.5	8274.2	8162.9	8087.3	7985.0	7850.0	7678.0	7492.6	7296.8	7212.3
5°	8990.5	8938.6	8972.7	8889.6	8806.6	8652.3	8452.1	8171.8	7829.2	7439.2	7231.5
7.5°	8873.3	8837.7	8925.2	8999.4	9061.7	9042.4	8895.6	8601.9	8160.0	7593.4	7292.3
10°	7928.6	7888.6	8011.6	8268.2	8644.9	8972.7	9150.7	8968.2	8498.1	7762.5	7351.7
12.5°	7095.1	7075.8	7157.4	7365.0	7783.3	8412.1	9118.0	9288.6	8849.6	7962.7	7431.8
15°	6739.2	6715.4	6767.3	6872.6	7139.6	7725.4	8821.4	9508.1	9195.2	8194.1	7559.3
17.5°	6660.6	6633.9	6656.1	6711.0	6883.0	7329.4	8373.5	9616.3	9555.5	8452.1	7666.1
20°	6805.9	6783.6	6786.6	6783.6	6903.8	7258.2	8062.1	9574.8	9870.0	8689.4	7769.9
22.5°	7157.4	7120.3	7121.8	7043.2	7108.4	7382.8	7980.5	9463.6	10150.3	8897.1	7848.5
25°	7729.9	7663.1	7676.5	7476.3	7458.5	7661.6	8108.0	9377.6	10429.1	9063.2	7863.3
27.5°	8512.9	8437.3	8397.2	8099.1	7956.8	8057.6	8367.6	9407.2	10693.1	9207.0	7826.3
30°	9491.8	9399.8	9318.2	8895.6	8637.5	8600.4	8771.0	9603.0	11004.5	9358.3	7762.5
32.5°	10691.6	10584.8	10436.5	9875.9	9512.5	9318.2	9293.0	9951.5	11369.4	9551.1	7729.9
35°	12119.8	11980.4	11769.8	11044.6	10584.8	10187.3	9981.2	10454.3	11869.2	9841.8	7766.9
37.5°	13591.0	13433.8	13241.0	12377.9	11812.8	11227.0	10820.6	11136.5	12535.1	10236.3	7864.8
40°	14948.1	14771.6	14592.1	13823.9	13217.3	12511.3	11848.4	11999.7	13349.3	10707.9	8030.9
42.5°	15748.9	15618.4	15550.2	15134.9	14666.3	13949.9	13126.8	13023.0	14264.3	11250.7	8220.8
45°	15713.3	15659.9	15870.5	16042.6	15931.3	15533.9	14624.7	14154.6	15182.4	11720.9	8395.8
47.5°	14873.9	14909.5	15379.6	16346.6	16772.3	16979.9	16330.3	15265.4	15980.3	12072.3	8474.4
50°	12589.9	12619.6	13708.2	15793.4	16988.8	18158.9	18022.5	16349.6	16598.7	12287.4	8456.6
52.5°	10782.1	10801.3	11268.5	14153.1	16273.9	18752.2	19547.1	17371.4	17051.1	12346.7	8357.2
55°	8121.4	8188.1	8711.7	11103.9	14414.1	18282.0	20475.5	18424.4	17337.3	12352.6	8253.4
57.5°	4744.4	4817.1	5463.7	7537.1	11203.3	16643.2	20616.4	19358.8	17531.6	12305.2	8191.1
60°	2324.0	2355.1	2636.9	3961.3	6908.2	13485.7	19483.3	19811.1	17639.9	12280.0	8188.1
62.5°	1566.1	1561.7	1573.6	1954.7	3403.7	8664.2	17122.3	19019.1	17582.0	12183.6	8158.5
65°	1346.6	1330.3	1285.8	1371.9	1763.4	3962.8	13229.2	16655.1	17141.5	11941.8	7955.3
67.5°	1164.2	1165.7	1167.2	1140.5	1259.1	1828.6	8084.3	13119.4	15560.6	10796.9	7172.2
70°	964.0	977.4	983.3	983.3	1026.3	1199.8	3451.1	8992.0	12274.0	8465.5	5776.6
72.5°	878.0	849.8	852.8	837.9	837.9	913.6	1389.7	5097.4	7732.8	4762.2	3525.3
75°	716.3	734.1	737.1	726.7	692.6	697.1	824.6	2138.6	3308.8	1975.5	1742.6
77.5°	618.4	618.4	624.4	617.0	590.3	522.0	550.2	829.0	1125.7	809.8	870.6
80°	496.8	495.4	520.6	535.4	493.9	385.6	351.5	458.3	499.8	355.9	452.3
82.5°	241.7	256.6	357.4	407.8	375.2	278.8	215.0	284.8	267.0	157.2	203.2
85°	140.9	133.5	160.2	226.9	215.0	154.2	103.8	148.3	139.4	80.1	81.6
87.5°	44.5	41.5	32.6	77.1	62.3	43.0	28.2	43.0	38.6	17.8	17.8
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7188.5	7188.5	7188.5	7188.5	7188.5	7188.5	7188.5	7188.5	7188.5	7188.5
2.5°	7107.0	6932.0	6758.4	6599.7	6503.3	6441.1	6378.8	6309.1	6282.4	6242.3
5°	7035.8	6697.6	6396.6	6137.0	5901.2	5715.8	5529.0	5377.7	5309.5	5355.4
7.5°	6994.2	6504.8	6040.6	5564.5	5106.3	4740.0	4421.1	4197.1	4096.3	4121.5
10°	6957.2	6286.8	5579.4	4827.5	4169.0	3715.1	3388.9	3218.3	3154.5	3167.9
12.5°	6923.1	6042.1	5023.2	4034.0	3334.0	3034.4	2941.0	2942.4	2954.3	2963.2
15°	6917.1	5747.0	4401.8	3339.9	2883.1	2863.8	2964.7	3028.5	3062.6	3073.0
17.5°	6908.2	5394.0	3768.5	2866.8	2773.4	2903.9	2997.3	3038.8	3065.5	3067.0
20°	6872.6	4946.1	3184.2	2641.4	2749.6	2862.4	2920.2	2952.8	2975.1	2982.5
22.5°	6762.9	4447.8	2728.9	2540.5	2654.7	2745.2	2813.4	2850.5	2863.8	2872.7
25°	6565.6	3890.1	2414.5	2444.1	2522.7	2636.9	2691.8	2699.2	2694.8	2708.1
27.5°	6307.6	3292.5	2218.7	2313.6	2414.5	2512.4	2542.0	2537.6	2528.7	2543.5
30°	5996.1	2755.6	2094.1	2166.8	2304.7	2393.7	2420.4	2410.0	2392.2	2408.5
32.5°	5666.9	2316.6	1991.8	2064.5	2214.3	2301.8	2328.4	2318.1	2304.7	2318.1
35°	5359.9	2009.6	1896.9	1996.2	2143.1	2229.1	2263.2	2264.7	2264.7	2281.0
37.5°	5078.1	1830.1	1818.3	1953.2	2094.1	2171.2	2220.2	2223.2	2159.4	2163.8
40°	4817.1	1754.5	1782.7	1925.0	2046.7	2120.8	2123.8	1957.7	1840.5	1837.5
42.5°	4603.5	1739.7	1793.1	1922.1	2012.6	2015.5	1806.4	1677.4	1644.7	1646.2
45°	4403.3	1735.2	1816.8	1922.1	1962.1	1741.1	1600.3	1566.1	1569.1	1581.0
47.5°	4179.3	1717.4	1821.2	1895.4	1816.8	1548.3	1506.8	1492.0	1486.1	1489.0
50°	3934.6	1653.6	1764.9	1842.0	1567.6	1465.3	1413.4	1408.9	1416.3	1420.8
52.5°	3676.6	1549.8	1668.5	1745.6	1453.4	1392.6	1334.8	1345.2	1377.8	1388.2
55°	3507.5	1428.2	1540.9	1552.8	1373.3	1324.4	1275.5	1299.2	1360.0	1379.3
57.5°	3463.0	1299.2	1395.6	1382.2	1271.0	1265.1	1235.4	1256.2	1333.3	1361.5
60°	3449.7	1183.5	1253.2	1242.8	1171.6	1199.8	1192.4	1202.8	1229.5	1238.4
62.5°	3345.8	1091.6	1125.7	1110.8	1082.7	1131.6	1149.4	1127.1	1147.9	1158.3
65°	3081.9	1017.4	1001.1	990.7	1002.6	1047.1	1082.7	1038.2	1057.4	1087.1
67.5°	2645.8	916.5	872.1	883.9	921.0	944.7	990.7	940.3	956.6	1007.0
70°	2140.1	789.0	749.0	783.1	818.7	867.6	875.0	840.9	879.5	935.8
72.5°	1514.2	660.0	631.8	701.5	713.4	777.1	760.8	744.5	797.9	817.2
75°	1050.0	532.4	516.1	569.5	612.5	667.4	655.5	674.8	787.5	796.4
77.5°	664.4	413.8	403.4	437.5	496.8	557.6	576.9	796.4	1345.2	1398.6
80°	385.6	308.5	296.6	323.3	375.2	431.6	556.2	977.4	886.9	876.5
82.5°	215.0	212.1	197.3	204.7	250.6	311.4	786.0	688.2	559.1	576.9
85°	100.9	124.6	106.8	102.3	140.9	364.8	525.0	393.0	261.0	255.1
87.5°	26.7	23.7	23.7	26.7	59.3	314.4	209.1	167.6	99.4	96.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)