

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: P956614

Luminaire Tested: **GALN-SB9B-722-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P956614
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-SB9B-722-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 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: 43091 lumens
Efficiency: N/A
Efficacy: 130.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 329.5
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



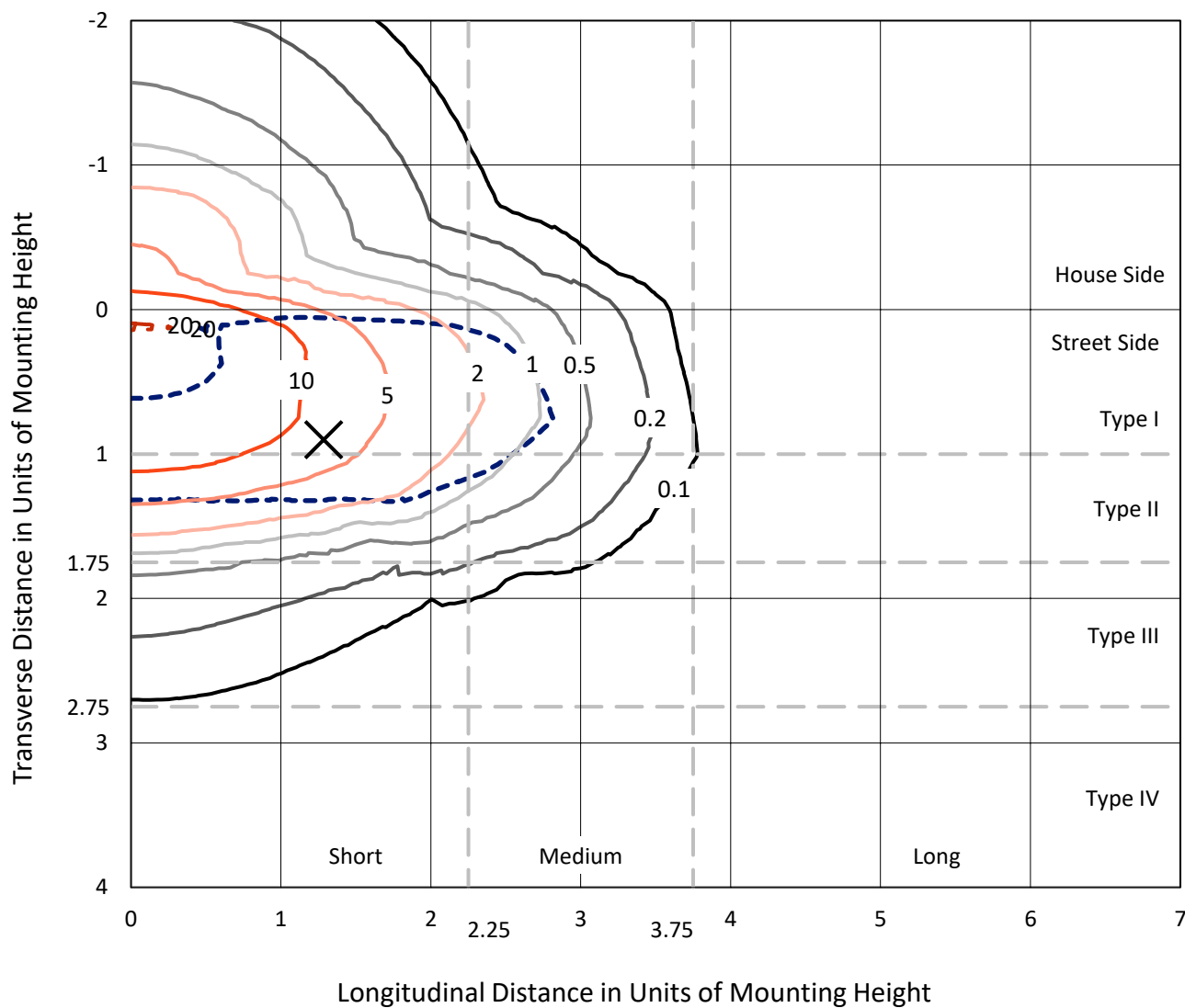
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Iso-Footcandle Lines of Horizontal Illumination

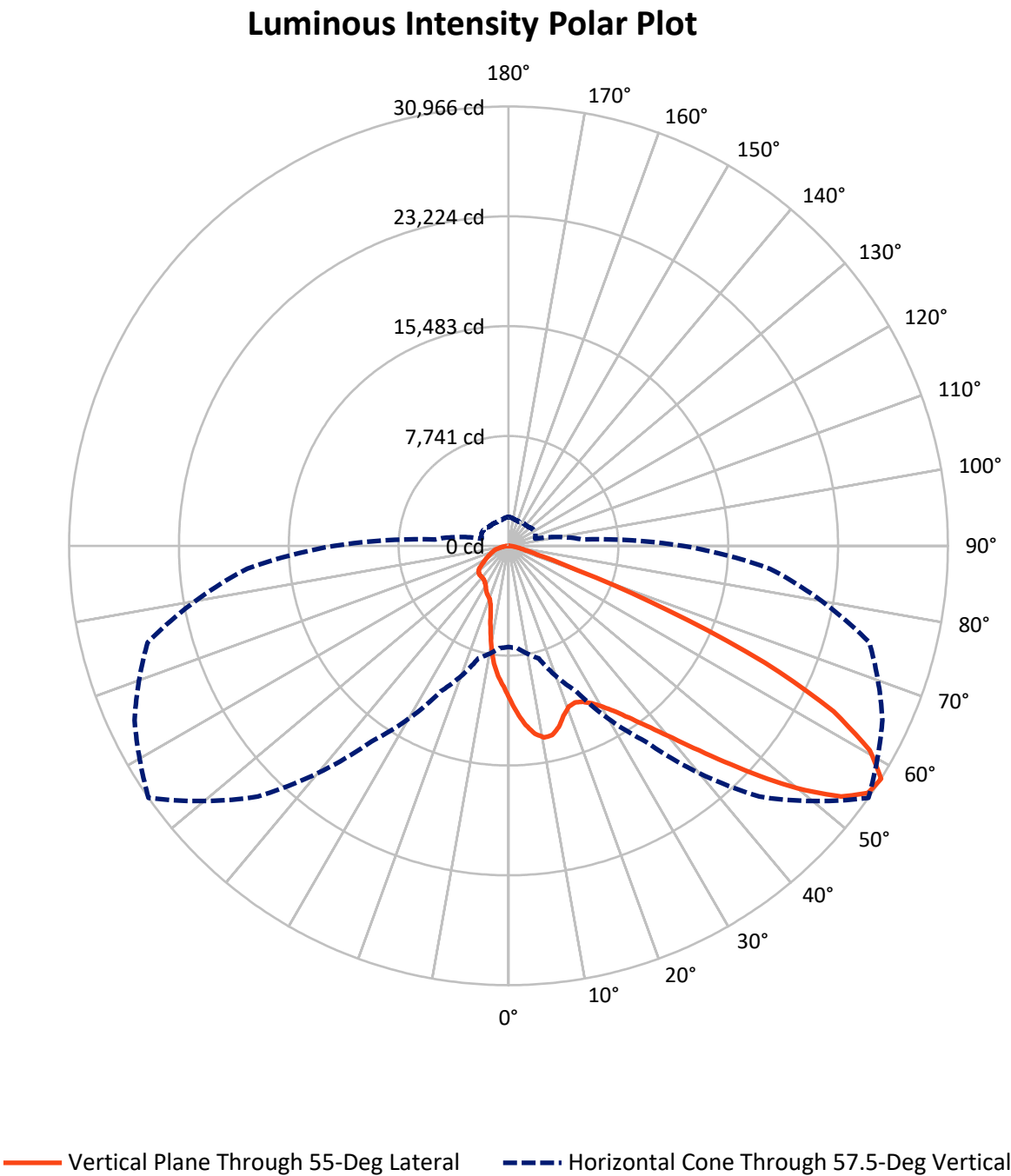
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.9 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7797.1	0.0	7797.1
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	35293.9	0.0	35293.9
	% Fixture	81.9	0.0	81.9
Total	Lumens	43091.0	0.0	43091.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1001.9	2.3
10°-20°	2528.9	5.9
20°-30°	4035.4	9.4
30°-40°	6389.0	14.8
40°-50°	9779.0	22.7
50°-60°	10474.2	24.3
60°-70°	6589.4	15.3
70°-80°	1948.6	4.5
80°-90°	344.5	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°	43091.0	100.0
0°-180°	43091.0	100.0

Coefficient of Utilization



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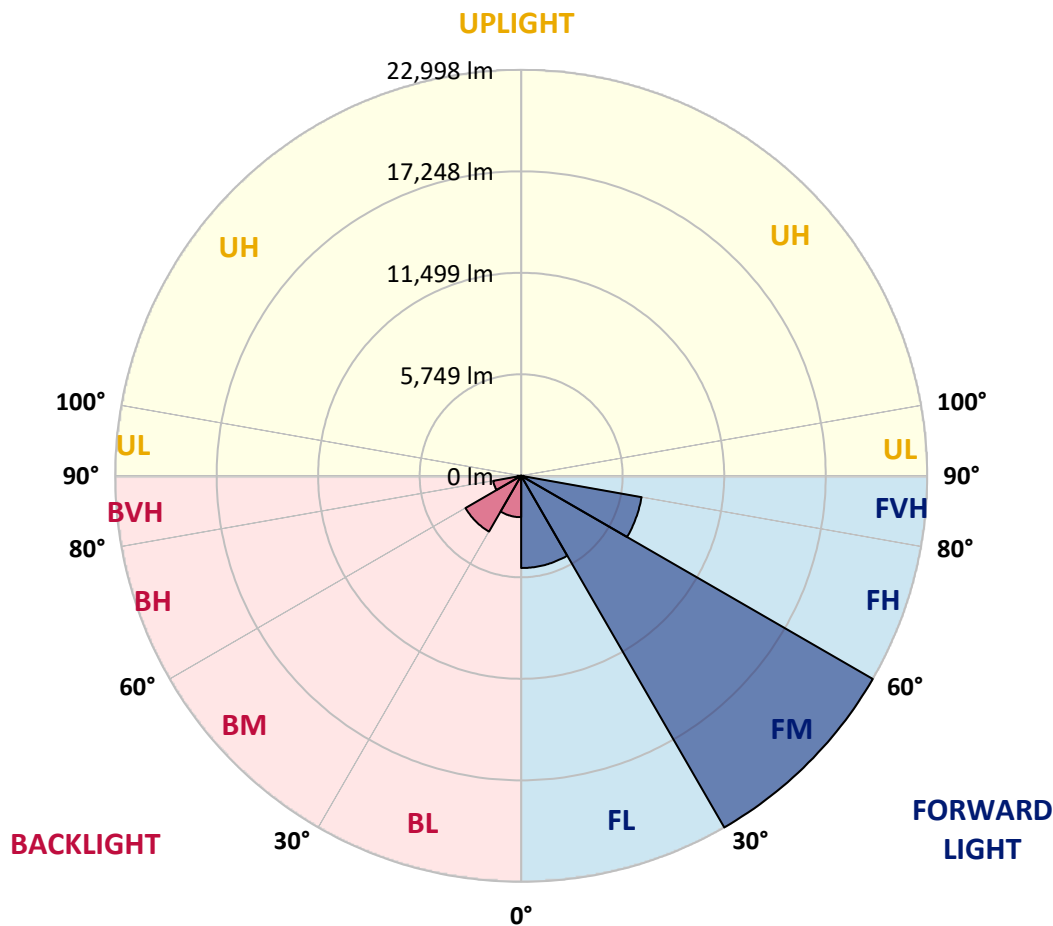
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	5222.6	12.1			
FM	(30°-60°)	22998.0	53.4			
FH	(60°-80°)	6927.7	16.1			G3/7500
FVH	(80°-90°)	145.6	0.3			G2/225
BL	(0°-30°)	2343.6	5.4	B3/2500		
BM	(30°-60°)	3644.3	8.5	B3/5000		
BH	(60°-80°)	1610.3	3.7	B3/2500		G3/2500
BVH	(80°-90°)	199.0	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°	10797.2	10797.2	10797.2	10797.2	10797.2	10797.2	10797.2	10797.2	10797.2	10797.2	10797.2
2.5°	12387.7	12378.8	12427.8	12260.7	12147.1	11993.4	11790.7	11532.3	11253.9	10959.8	10832.8
5°	13503.7	13425.8	13477.0	13352.3	13227.5	12995.9	12695.1	12274.1	11759.5	11173.7	10861.8
7.5°	13327.8	13274.3	13405.7	13517.1	13610.7	13581.7	13361.2	12920.1	12256.3	11405.3	10953.1
10°	11908.8	11848.6	12033.5	12418.9	12984.7	13477.0	13744.3	13470.3	12764.2	11659.3	11042.2
12.5°	10656.9	10627.9	10750.4	11062.3	11690.5	12635.0	13695.3	13951.5	13292.1	11960.0	11162.5
15°	10122.2	10086.6	10164.6	10322.7	10723.7	11603.6	13249.8	14281.2	13811.2	12307.5	11354.1
17.5°	10004.2	9964.1	9997.5	10079.9	10338.3	11008.8	12577.1	14443.8	14352.5	12695.1	11514.5
20°	10222.5	10189.1	10193.5	10189.1	10369.5	10901.9	12109.3	14381.4	14824.7	13051.5	11670.4
22.5°	10750.4	10694.7	10697.0	10578.9	10676.9	11089.0	11986.7	14214.4	15245.7	13363.4	11788.5
25°	11610.3	11510.0	11530.1	11229.4	11202.6	11507.8	12178.3	14085.2	15664.5	13612.9	11810.8
27.5°	12786.5	12672.9	12612.7	12165.0	11951.1	12102.6	12568.2	14129.7	16061.0	13829.0	11755.1
30°	14256.7	14118.6	13996.0	13361.2	12973.6	12917.9	13174.1	14423.7	16528.8	14056.2	11659.3
32.5°	16058.8	15898.4	15675.7	14833.6	14287.9	13996.0	13958.2	14947.2	17076.8	14345.8	11610.3
35°	18204.0	17994.6	17678.3	16589.0	15898.4	15301.4	14991.8	15702.4	17827.5	14782.4	11666.0
37.5°	20413.8	20177.7	19888.1	18591.6	17742.9	16863.0	16252.6	16727.1	18827.7	15374.9	11813.0
40°	22452.0	22187.0	21917.4	20763.5	19852.4	18792.1	17796.3	18023.6	20050.7	16083.3	12062.5
42.5°	23654.9	23458.9	23356.4	22732.7	22028.8	20952.9	19716.5	19560.6	21425.1	16898.6	12347.6
45°	23601.5	23521.3	23837.6	24096.0	23928.9	23331.9	21966.4	21260.3	22804.0	17604.8	12610.5
47.5°	22340.7	22394.1	23100.3	24552.7	25192.0	25503.9	24528.2	22928.7	24002.5	18132.7	12728.5
50°	18910.1	18954.7	20589.8	23721.8	25517.2	27274.8	27069.9	24557.1	24931.4	18455.7	12701.8
52.5°	16194.7	16223.7	16925.3	21258.0	24443.5	28165.8	29359.8	26091.9	25610.8	18544.8	12552.6
55°	12198.4	12298.6	13085.0	16678.1	21650.1	27459.7	30754.3	27673.5	26040.7	18553.7	12396.6
57.5°	7126.1	7235.3	8206.5	11320.7	16827.3	24998.2	30965.9	29076.9	26332.5	18482.4	12303.1
60°	3490.7	3537.4	3960.7	5949.9	10376.2	20255.6	29264.1	29756.4	26495.1	18444.6	12298.6
62.5°	2352.4	2345.7	2363.5	2936.0	5112.4	13013.7	25717.7	28566.8	26408.3	18299.8	12254.1
65°	2022.7	1998.2	1931.3	2060.5	2648.6	5952.2	19870.2	25016.0	25746.7	17936.7	11948.9
67.5°	1748.7	1750.9	1753.1	1713.0	1891.2	2746.6	12142.7	19705.4	23372.0	16217.0	10772.7
70°	1447.9	1468.0	1476.9	1476.9	1541.5	1802.1	5183.6	13506.0	18435.7	12715.2	8676.5
72.5°	1318.7	1276.4	1280.9	1258.6	1258.6	1372.2	2087.3	7656.3	11614.7	7152.8	5295.0
75°	1075.9	1102.7	1107.1	1091.5	1040.3	1047.0	1238.5	3212.2	4969.8	2967.2	2617.4
77.5°	928.9	928.9	937.8	926.7	886.6	784.1	826.4	1245.2	1690.8	1216.3	1307.6
80°	746.2	744.0	781.9	804.2	741.8	579.2	527.9	688.3	750.7	534.6	679.4
82.5°	363.1	385.4	536.9	612.6	563.6	418.8	323.0	427.7	401.0	236.1	305.2
85°	211.6	200.5	240.6	340.8	323.0	231.7	155.9	222.8	209.4	120.3	122.5
87.5°	66.8	62.4	49.0	115.8	93.6	64.6	42.3	64.6	57.9	26.7	26.7
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°	10797.2	10797.2	10797.2	10797.2	10797.2	10797.2	10797.2	10797.2	10797.2	10797.2
2.5°	10674.7	10411.8	10151.2	9912.8	9768.1	9674.5	9580.9	9476.2	9436.1	9376.0
5°	10567.8	10059.9	9607.7	9217.8	8863.6	8585.2	8304.5	8077.3	7974.8	8043.9
7.5°	10505.4	9770.3	9073.0	8358.0	7669.6	7119.4	6640.5	6304.1	6152.6	6190.5
10°	10449.7	9442.8	8380.3	7250.9	6261.8	5580.2	5090.1	4833.9	4738.1	4758.2
12.5°	10398.5	9075.3	7544.9	6059.1	5007.7	4557.7	4417.3	4419.6	4437.4	4450.8
15°	10389.6	8632.0	6611.5	5016.6	4330.5	4301.5	4453.0	4548.8	4600.0	4615.6
17.5°	10376.2	8101.8	5660.3	4306.0	4165.6	4361.7	4502.0	4564.4	4604.5	4606.7
20°	10322.7	7429.1	4782.7	3967.4	4130.0	4299.3	4386.2	4435.2	4468.6	4479.7
22.5°	10157.9	6680.6	4098.8	3815.9	3987.4	4123.3	4225.8	4281.5	4301.5	4314.9
25°	9861.6	5843.0	3626.5	3671.1	3789.2	3960.7	4043.1	4054.2	4047.6	4067.6
27.5°	9474.0	4945.3	3332.5	3475.1	3626.5	3773.6	3818.1	3811.4	3798.1	3820.3
30°	9006.2	4138.9	3145.4	3254.5	3461.7	3595.4	3635.5	3619.9	3593.1	3617.6
32.5°	8511.7	3479.5	2991.7	3100.8	3325.8	3457.2	3497.3	3481.7	3461.7	3481.7
35°	8050.6	3018.4	2849.1	2998.4	3218.9	3348.1	3399.3	3401.6	3401.6	3426.1
37.5°	7627.3	2748.9	2731.0	2933.8	3145.4	3261.2	3334.7	3339.2	3243.4	3250.1
40°	7235.3	2635.3	2677.6	2891.4	3074.1	3185.5	3189.9	2940.4	2764.5	2760.0
42.5°	6914.5	2613.0	2693.2	2887.0	3022.9	3027.3	2713.2	2519.4	2470.4	2472.6
45°	6613.8	2606.3	2728.8	2887.0	2947.1	2615.2	2403.6	2352.4	2356.8	2374.6
47.5°	6277.4	2579.6	2735.5	2846.9	2728.8	2325.6	2263.2	2241.0	2232.1	2236.5
50°	5909.8	2483.8	2650.9	2766.7	2354.6	2200.9	2122.9	2116.2	2127.4	2134.0
52.5°	5522.2	2327.8	2506.1	2621.9	2183.1	2091.7	2004.8	2020.4	2069.4	2085.0
55°	5268.3	2145.2	2314.5	2332.3	2062.8	1989.3	1915.7	1951.4	2042.7	2071.7
57.5°	5201.5	1951.4	2096.2	2076.1	1909.1	1900.1	1855.6	1886.8	2002.6	2044.9
60°	5181.4	1777.6	1882.3	1866.7	1759.8	1802.1	1791.0	1806.6	1846.7	1860.1
62.5°	5025.5	1639.5	1690.8	1668.5	1626.2	1699.7	1726.4	1693.0	1724.2	1739.8
65°	4629.0	1528.1	1503.6	1488.0	1505.9	1572.7	1626.2	1559.3	1588.3	1632.8
67.5°	3974.0	1376.7	1309.8	1327.7	1383.3	1419.0	1488.0	1412.3	1436.8	1512.5
70°	3214.4	1185.1	1124.9	1176.2	1229.6	1303.1	1314.3	1263.1	1321.0	1405.6
72.5°	2274.4	991.3	949.0	1053.7	1071.5	1167.3	1142.8	1118.3	1198.5	1227.4
75°	1577.1	799.7	775.2	855.4	920.0	1002.4	984.6	1013.6	1182.9	1196.2
77.5°	998.0	621.5	605.9	657.1	746.2	837.6	866.5	1196.2	2020.4	2100.6
80°	579.2	463.3	445.5	485.6	563.6	648.2	835.4	1468.0	1332.1	1316.5
82.5°	323.0	318.5	296.3	307.4	376.5	467.8	1180.6	1033.6	839.8	866.5
85°	151.5	187.1	160.4	153.7	211.6	548.0	788.6	590.3	392.1	383.1
87.5°	40.1	35.6	35.6	40.1	89.1	472.3	314.1	251.7	149.2	144.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)