

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: P953758

Luminaire Tested: **GALN-SB7B-722-U-AFL**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953758
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-SB7B-722-U-AFL
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 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: 33645 lumens
Efficiency: N/A
Efficacy: 131.1 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): 256.7
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

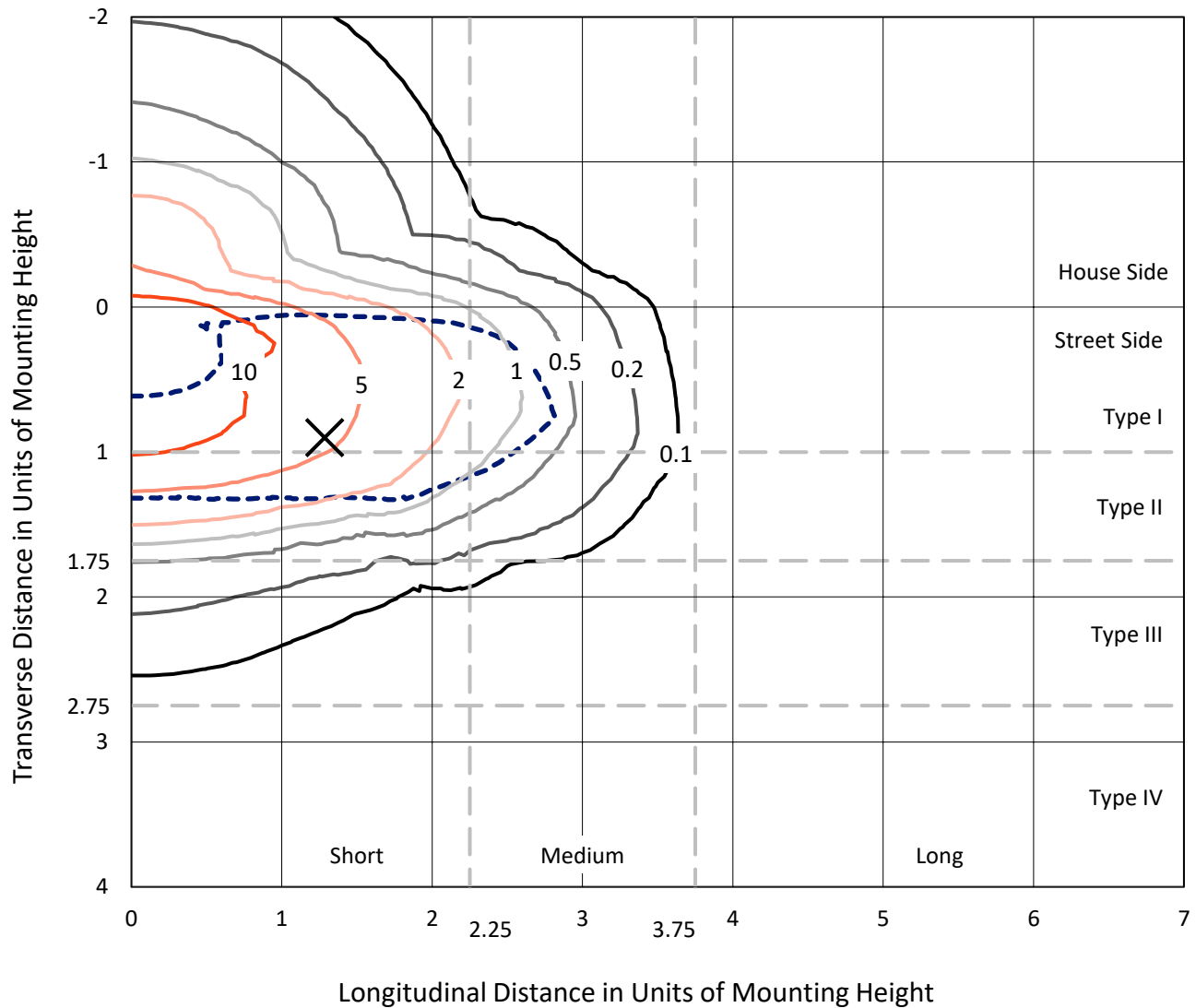


REPORT NUMBER: P953758

CATALOG NUMBER: GALN-SB7B-722-U-AFL

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

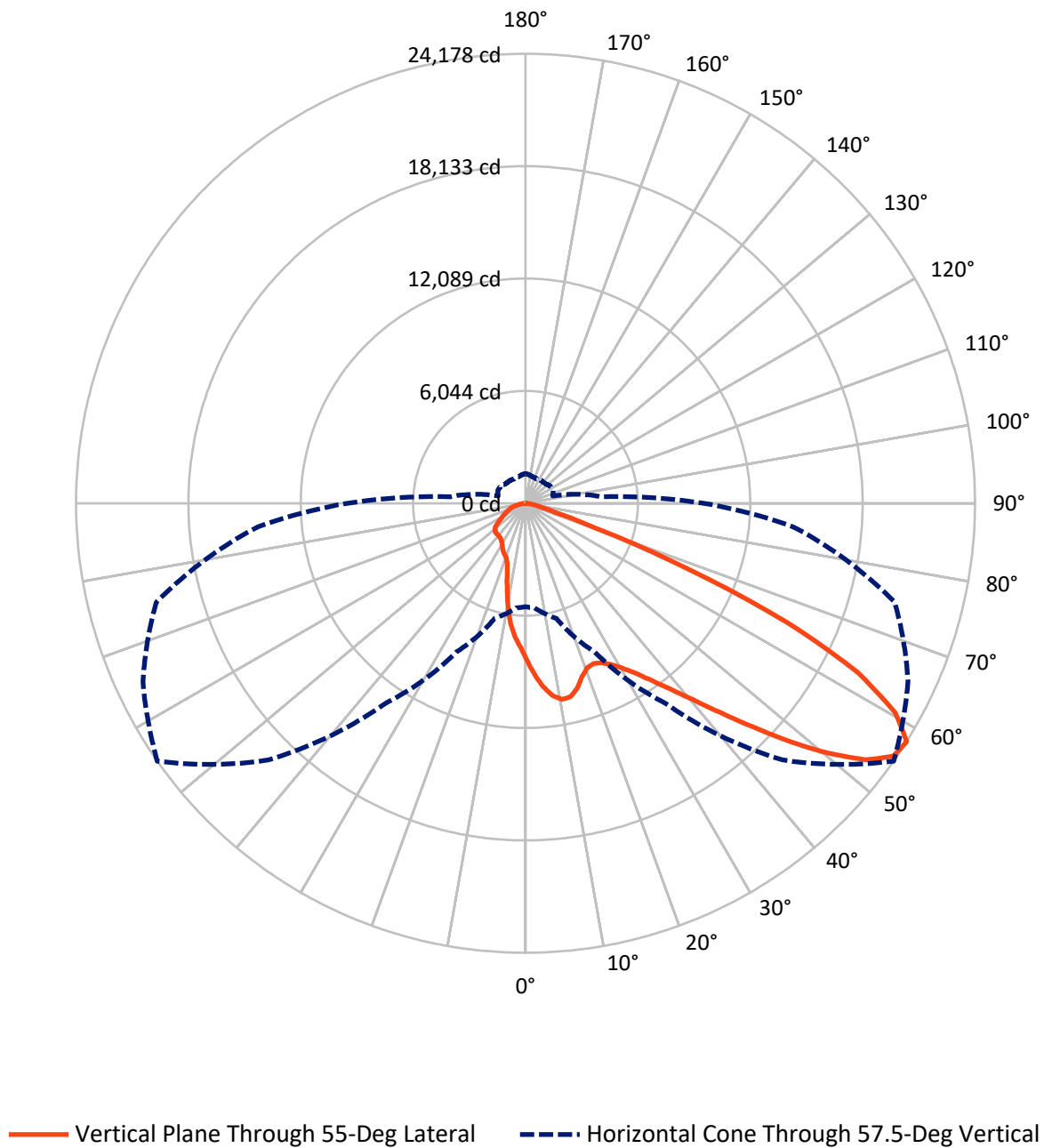


Based on 25 foot mounting height. Maximum calculated value = 16.3 fc
Type II - Short - N/A

REPORT NUMBER: P953758

CATALOG NUMBER: GALN-SB7B-722-U-AFL

Luminous Intensity Polar Plot



REPORT NUMBER: P953758

CATALOG NUMBER: GALN-SB7B-722-U-AFL

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6087.9	0.0	6087.9
	% Fixture	18.1	0.0	18.1
Street Side	Lumens	27557.1	0.0	27557.1
	% Fixture	81.9	0.0	81.9
Total	Lumens	33645.0	0.0	33645.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	782.3	2.3
10°-20°	1974.5	5.9
20°-30°	3150.8	9.4
30°-40°	4988.5	14.8
40°-50°	7635.4	22.7
50°-60°	8178.2	24.3
60°-70°	5144.9	15.3
70°-80°	1521.5	4.5
80°-90°	269.0	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°	33645.0	100.0
0°-180°	33645.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953758

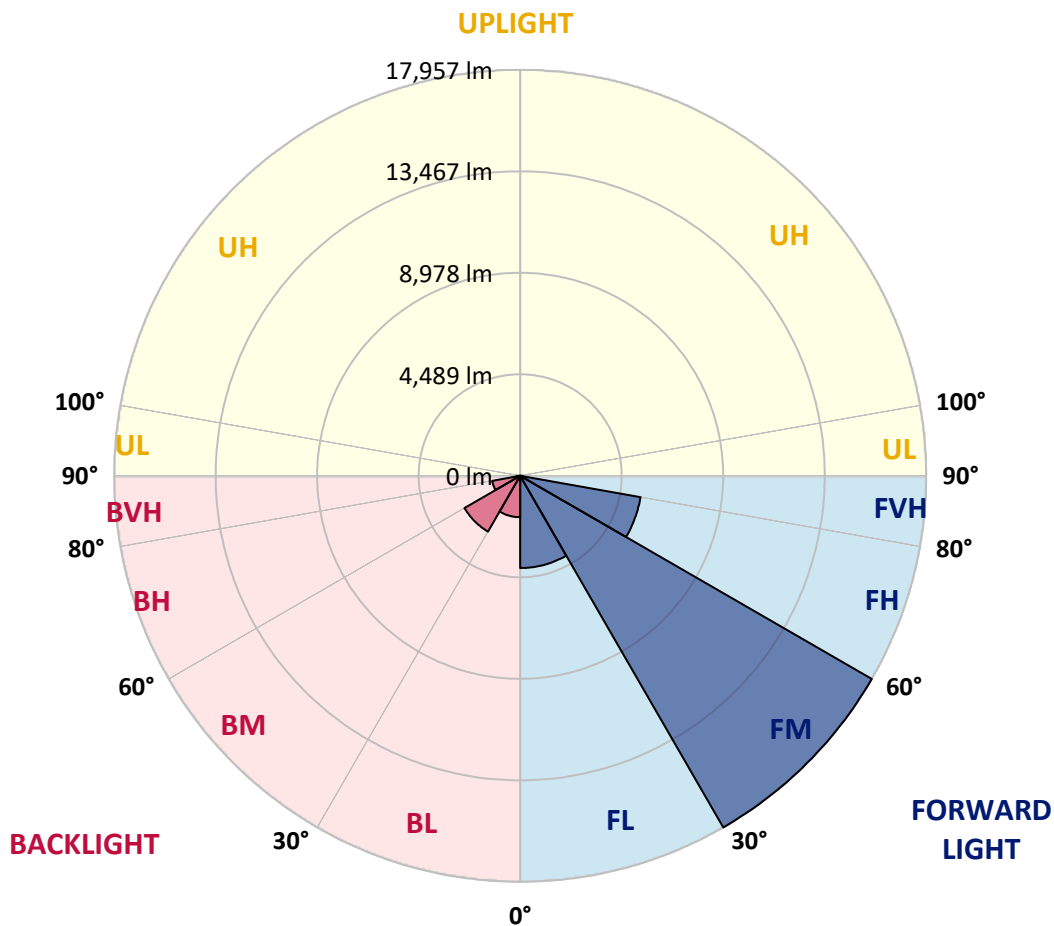
CATALOG NUMBER: GALN-SB7B-722-U-AFL

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4077.8	12.1			
FM	(30°-60°)	17956.6	53.4			
FH	(60°-80°)	5409.1	16.1			G3/7500
FVH	(80°-90°)	113.7	0.3			G2/225
BL	(0°-30°)	1829.8	5.4	B3/2500		
BM	(30°-60°)	2845.4	8.5	B3/5000		
BH	(60°-80°)	1257.3	3.7	B3/2500		G3/2500
BVH	(80°-90°)	155.3	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



REPORT NUMBER: P953758

CATALOG NUMBER: GALN-SB7B-722-U-AFL

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8430.3	8430.3	8430.3	8430.3	8430.3	8430.3	8430.3	8430.3	8430.3	8430.3	8430.3
2.5°	9672.2	9665.2	9703.5	9573.1	9484.4	9364.3	9206.1	9004.3	8786.9	8557.3	8458.2
5°	10543.6	10482.7	10522.7	10425.3	10327.9	10147.0	9912.2	9583.5	9181.7	8724.3	8480.8
7.5°	10406.2	10364.4	10467.1	10554.0	10627.1	10604.5	10432.3	10087.9	9569.6	8905.2	8552.1
10°	9298.3	9251.3	9395.7	9696.5	10138.3	10522.7	10731.4	10517.5	9966.1	9103.5	8621.7
12.5°	8320.8	8298.2	8393.8	8637.3	9127.8	9865.3	10693.2	10893.2	10378.4	9338.3	8715.6
15°	7903.3	7875.5	7936.4	8059.9	8372.9	9060.0	10345.3	11150.6	10783.6	9609.6	8865.2
17.5°	7811.2	7779.8	7805.9	7870.3	8072.1	8595.6	9820.0	11277.6	11206.3	9912.2	8990.4
20°	7981.6	7955.5	7959.0	7955.5	8096.4	8512.1	9454.8	11228.9	11575.0	10190.5	9112.1
22.5°	8393.8	8350.3	8352.1	8259.9	8336.4	8658.2	9359.1	11098.4	11903.7	10434.0	9204.3
25°	9065.2	8986.9	9002.6	8767.8	8746.9	8985.2	9508.7	10997.5	12230.7	10628.8	9221.7
27.5°	9983.5	9894.8	9847.9	9498.3	9331.3	9449.6	9813.1	11032.3	12540.3	10797.5	9178.2
30°	11131.5	11023.6	10928.0	10432.3	10129.6	10086.2	10286.2	11261.9	12905.5	10974.9	9103.5
32.5°	12538.6	12413.3	12239.4	11581.9	11155.8	10928.0	10898.4	11670.6	13333.4	11201.0	9065.2
35°	14213.5	14050.0	13803.0	12952.5	12413.3	11947.2	11705.4	12260.3	13919.5	11541.9	9108.7
37.5°	15938.9	15754.5	15528.4	14516.1	13853.5	13166.4	12689.9	13060.3	14700.5	12004.6	9223.5
40°	17530.3	17323.3	17112.9	16211.9	15500.6	14672.7	13895.2	14072.6	15655.4	12557.7	9418.3
42.5°	18469.5	18316.5	18236.5	17749.5	17199.9	16359.8	15394.5	15272.7	16728.5	13194.3	9640.9
45°	18427.8	18365.2	18612.2	18813.9	18683.5	18217.3	17151.2	16599.8	17805.1	13745.6	9846.1
47.5°	17443.4	17485.1	18036.5	19170.5	19669.6	19913.1	19151.3	17902.5	18740.9	14157.8	9938.3
50°	14764.8	14799.6	16076.3	18521.7	19923.6	21295.9	21135.9	19173.9	19466.1	14410.0	9917.4
52.5°	12644.6	12667.3	13215.1	16598.1	19085.2	21991.6	22923.9	20372.3	19996.6	14479.6	9800.9
55°	9524.4	9602.6	10216.6	13022.1	16904.2	21440.2	24012.7	21607.2	20332.3	14486.6	9679.2
57.5°	5564.0	5649.2	6407.5	8839.1	13138.6	19518.3	24177.9	22703.0	20560.2	14430.9	9606.1
60°	2725.5	2762.0	3092.5	4645.6	8101.6	15815.4	22849.1	23233.5	20687.1	14401.3	9602.6
62.5°	1836.7	1831.5	1845.4	2292.4	3991.7	10160.9	20080.1	22304.7	20619.3	14288.3	9567.8
65°	1579.3	1560.1	1508.0	1608.8	2068.0	4647.4	15514.5	19532.2	20102.7	14004.8	9329.6
67.5°	1365.3	1367.1	1368.8	1337.5	1476.7	2144.5	9480.9	15385.8	18248.6	12662.0	8411.2
70°	1130.5	1146.2	1153.2	1153.2	1203.6	1407.1	4047.3	10545.3	14394.4	9927.9	6774.5
72.5°	1029.7	996.6	1000.1	982.7	982.7	1071.4	1629.7	5977.9	9068.7	5584.9	4134.3
75°	840.1	860.9	864.4	852.3	812.2	817.5	967.0	2508.1	3880.4	2316.7	2043.7
77.5°	725.3	725.3	732.2	723.5	692.2	612.2	645.3	972.3	1320.1	949.7	1021.0
80°	582.7	580.9	610.5	627.9	579.2	452.2	412.2	537.4	586.1	417.4	530.5
82.5°	283.5	300.9	419.2	478.3	440.0	327.0	252.2	333.9	313.1	184.4	238.3
85°	165.2	156.5	187.8	266.1	252.2	180.9	121.8	173.9	163.5	93.9	95.7
87.5°	52.2	48.7	38.3	90.4	73.1	50.4	33.0	50.4	45.2	20.9	20.9
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: P953758

CATALOG NUMBER: GALN-SB7B-722-U-AFL

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8430.3	8430.3	8430.3	8430.3	8430.3	8430.3	8430.3	8430.3	8430.3	8430.3
2.5°	8334.7	8129.4	7926.0	7739.8	7626.8	7553.7	7480.7	7398.9	7367.6	7320.7
5°	8251.2	7854.6	7501.6	7197.2	6920.6	6703.2	6484.1	6306.7	6226.7	6280.6
7.5°	8202.5	7628.5	7084.1	6525.8	5988.4	5558.8	5184.8	4922.2	4803.9	4833.5
10°	8159.0	7372.9	6543.2	5661.4	4889.1	4356.9	3974.3	3774.3	3699.5	3715.1
12.5°	8119.0	7085.9	5891.0	4730.9	3909.9	3558.6	3449.0	3450.8	3464.7	3475.1
15°	8112.1	6739.8	5162.2	3916.9	3381.2	3358.6	3476.8	3551.6	3591.6	3603.8
17.5°	8101.6	6325.8	4419.5	3362.1	3252.5	3405.5	3515.1	3563.8	3595.1	3596.9
20°	8059.9	5800.5	3734.3	3097.7	3224.6	3356.8	3424.7	3462.9	3489.0	3497.7
22.5°	7931.2	5216.1	3200.3	2979.4	3113.3	3219.4	3299.4	3342.9	3358.6	3369.0
25°	7699.8	4562.2	2831.6	2866.4	2958.5	3092.5	3156.8	3165.5	3160.3	3175.9
27.5°	7397.2	3861.2	2602.0	2713.3	2831.6	2946.4	2981.1	2975.9	2965.5	2982.9
30°	7032.0	3231.6	2455.9	2541.1	2702.9	2807.2	2838.5	2826.3	2805.5	2824.6
32.5°	6645.8	2716.8	2335.9	2421.1	2596.8	2699.4	2730.7	2718.5	2702.9	2718.5
35°	6285.8	2356.7	2224.6	2341.1	2513.3	2614.2	2654.2	2655.9	2655.9	2675.0
37.5°	5955.3	2146.3	2132.4	2290.6	2455.9	2546.3	2603.7	2607.2	2532.4	2537.6
40°	5649.2	2057.6	2090.6	2257.6	2400.2	2487.2	2490.7	2295.9	2158.5	2155.0
42.5°	5398.8	2040.2	2102.8	2254.1	2360.2	2363.7	2118.5	1967.1	1928.9	1930.6
45°	5164.0	2035.0	2130.6	2254.1	2301.1	2041.9	1876.7	1836.7	1840.2	1854.1
47.5°	4901.3	2014.1	2135.8	2222.8	2130.6	1815.8	1767.1	1749.7	1742.8	1746.2
50°	4614.3	1939.3	2069.8	2160.2	1838.4	1718.4	1657.5	1652.3	1661.0	1666.2
52.5°	4311.7	1817.6	1956.7	2047.1	1704.5	1633.2	1565.4	1577.5	1615.8	1628.0
55°	4113.4	1674.9	1807.1	1821.0	1610.6	1553.2	1495.8	1523.6	1594.9	1617.5
57.5°	4061.2	1523.6	1636.7	1621.0	1490.6	1483.6	1448.8	1473.2	1563.6	1596.7
60°	4045.6	1388.0	1469.7	1457.5	1374.0	1407.1	1398.4	1410.6	1441.9	1452.3
62.5°	3923.8	1280.1	1320.1	1302.7	1269.7	1327.1	1348.0	1321.9	1346.2	1358.4
65°	3614.2	1193.2	1174.0	1161.8	1175.8	1227.9	1269.7	1217.5	1240.1	1274.9
67.5°	3102.9	1074.9	1022.7	1036.6	1080.1	1107.9	1161.8	1102.7	1121.8	1181.0
70°	2509.8	925.3	878.3	918.3	960.1	1017.5	1026.2	986.2	1031.4	1097.5
72.5°	1775.8	774.0	740.9	822.7	836.6	911.4	892.3	873.1	935.7	958.3
75°	1231.4	624.4	605.3	667.9	718.3	782.7	768.8	791.4	923.6	934.0
77.5°	779.2	485.3	473.1	513.1	582.7	654.0	676.6	934.0	1577.5	1640.2
80°	452.2	361.8	347.9	379.2	440.0	506.1	652.2	1146.2	1040.1	1027.9
82.5°	252.2	248.7	231.3	240.0	293.9	365.3	921.8	807.0	655.7	676.6
85°	118.3	146.1	125.2	120.0	165.2	427.9	615.7	460.9	306.1	299.2
87.5°	31.3	27.8	27.8	31.3	69.6	368.7	245.2	196.5	116.5	113.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)