

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: P952723

Luminaire Tested: **GALN-SB6C-727-U-T3R**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952723
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-SB6C-727-U-T3R
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: -

Summary

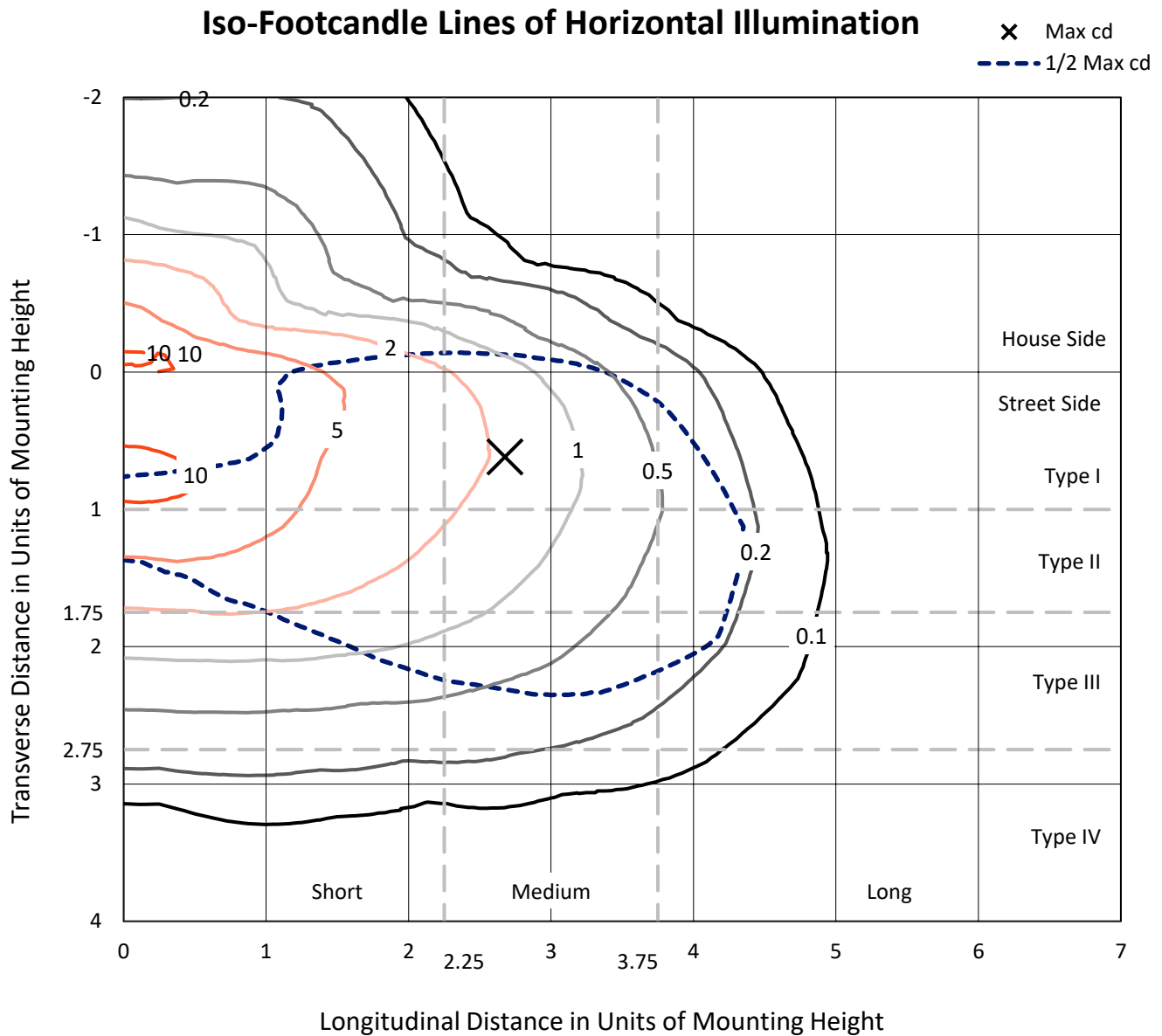
Lumens per Lamp: N/A
Luminaire Lumens: 43244 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B4 - U0 - G5

Input Watts (W): 300.9
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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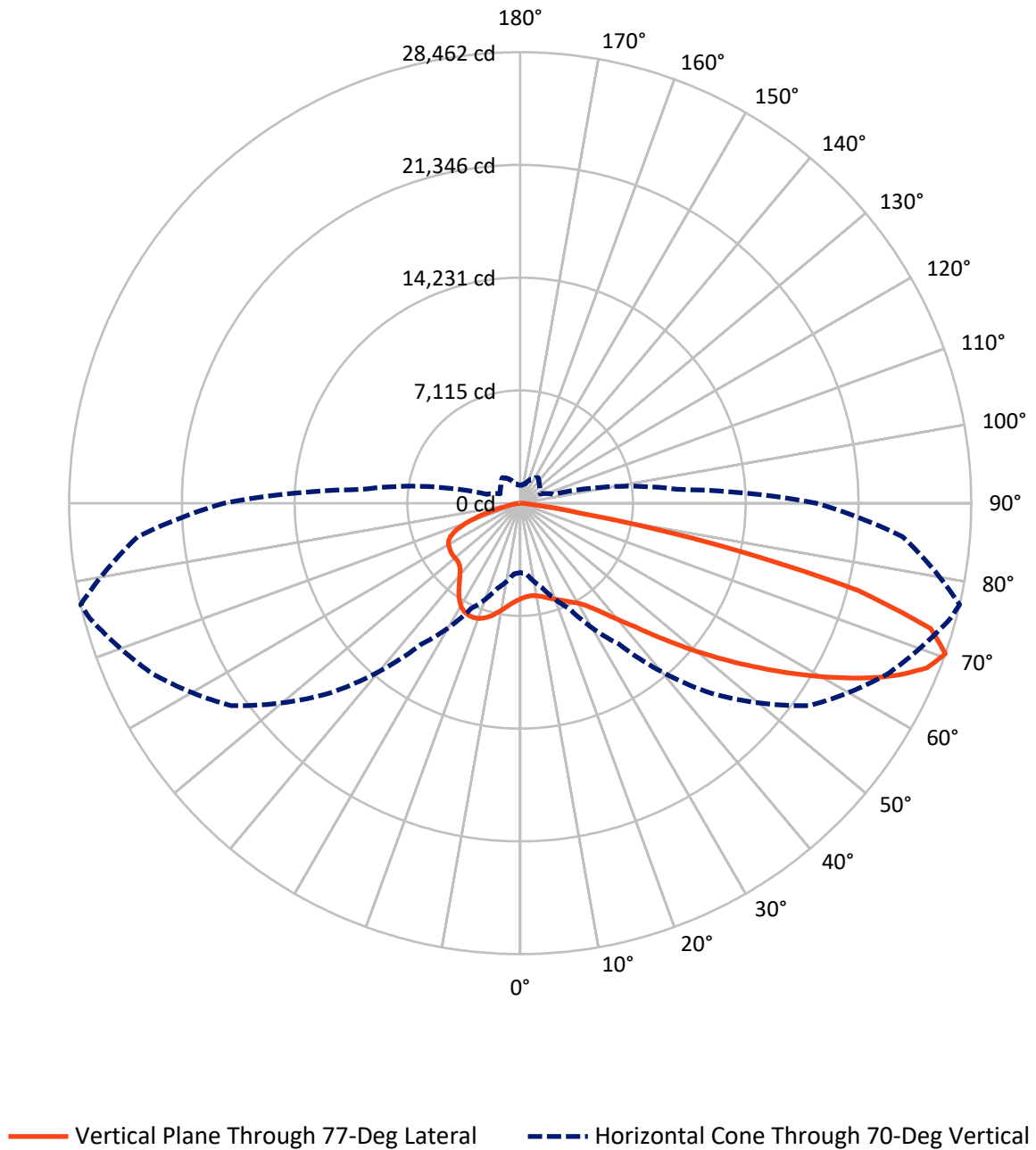


Based on 25 foot mounting height. Maximum calculated value = 11.5 fc
Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9469.8	0.0	9469.8
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	33774.2	0.0	33774.2
	% Fixture	78.1	0.0	78.1
Total	Lumens	43244.0	0.0	43244.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	575.4	1.3
10°-20°	1660.6	3.8
20°-30°	2839.9	6.6
30°-40°	4566.8	10.6
40°-50°	7130.0	16.5
50°-60°	9523.9	22.0
60°-70°	10151.0	23.5
70°-80°	6248.9	14.5
80°-90°	547.6	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°	43244.0	100.0
0°-180°	43244.0	100.0

Coefficient of Utilization



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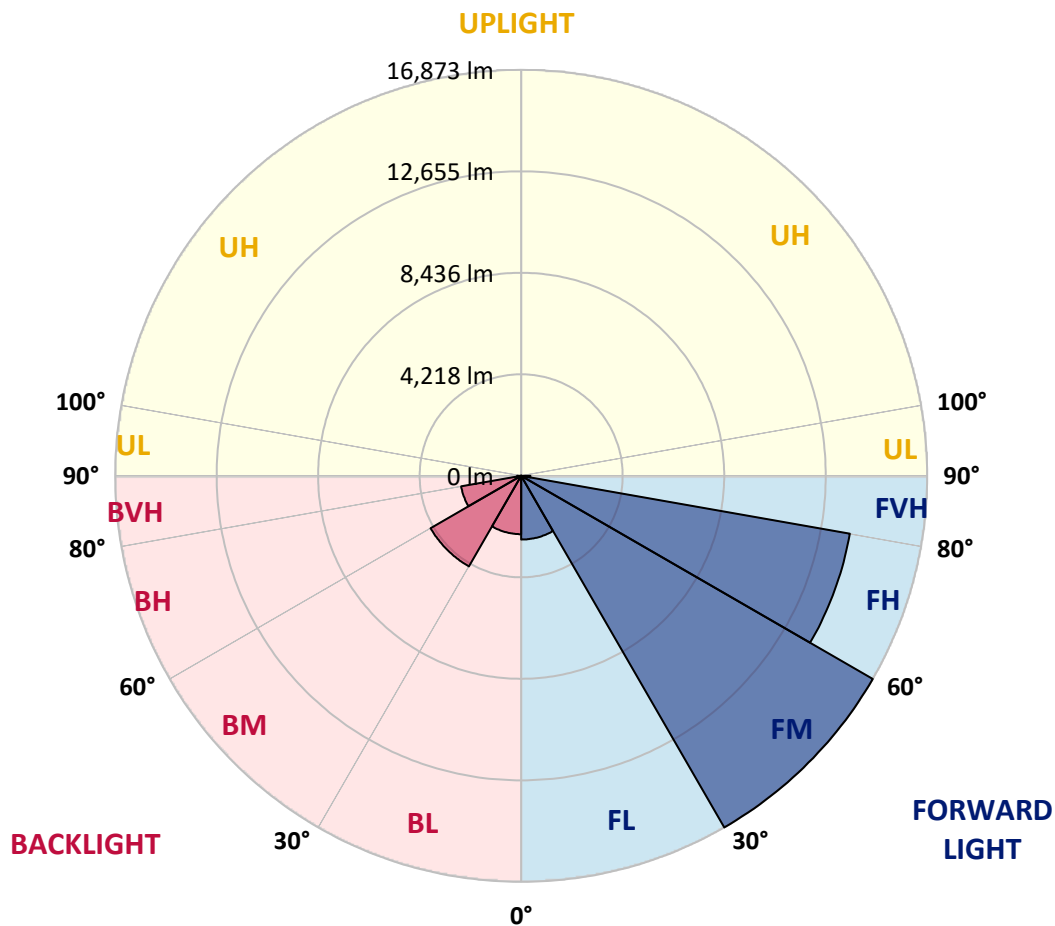
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2649.4	6.1			
FM	(30°-60°)	16872.9	39.0			
FH	(60°-80°)	13869.1	32.1			G5
FVH	(80°-90°)	382.9	0.9			G3/500
BL	(0°-30°)	2426.5	5.6	B3/2500		
BM	(30°-60°)	4347.8	10.1	B3/5000		
BH	(60°-80°)	2530.9	5.9	B4/5000		G4/5000
BVH	(80°-90°)	164.7	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	6032.9	6032.9	6032.9	6032.9	6032.9	6032.9	6032.9	6032.9	6032.9	6032.9	6032.9
2.5°	5561.2	5559.0	5587.8	5596.6	5649.8	5687.4	5758.3	5833.6	5931.1	5942.1	6001.9
5°	5240.1	5240.1	5273.3	5308.7	5377.4	5452.7	5561.2	5691.9	5860.2	5886.8	6035.1
7.5°	4967.6	4985.4	5014.2	5082.8	5162.5	5271.1	5437.2	5623.2	5844.7	5886.8	6126.0
10°	4748.4	4768.3	4803.8	4859.1	4978.7	5129.3	5346.4	5585.6	5882.3	5948.8	6258.8
12.5°	4679.7	4699.7	4719.6	4761.7	4872.4	5049.6	5308.7	5603.3	5973.1	6039.6	6440.4
15°	4839.2	4863.6	4848.1	4837.0	4894.6	5056.2	5326.4	5667.5	6086.1	6181.3	6664.1
17.5°	5206.8	5215.7	5180.3	5076.2	5067.3	5153.7	5410.6	5756.1	6227.8	6331.9	6890.0
20°	5800.4	5784.9	5711.8	5505.8	5388.4	5370.7	5554.6	5889.0	6374.0	6484.7	7133.7
22.5°	6606.5	6588.8	6442.7	6117.1	5855.8	5683.0	5762.7	6061.7	6537.9	6661.9	7370.6
25°	7612.0	7587.7	7372.8	6929.9	6524.6	6097.2	6046.2	6289.8	6739.4	6854.6	7618.7
27.5°	8785.8	8765.9	8533.4	7948.7	7364.0	6664.1	6398.4	6557.8	6949.8	7080.5	7897.7
30°	10048.2	10105.8	9693.9	9064.9	8325.2	7403.9	6872.3	6887.8	7222.2	7339.6	8236.6
32.5°	11532.1	11631.8	11135.7	10338.4	9328.5	8207.8	7470.3	7348.5	7618.7	7716.1	8664.0
35°	13002.7	13115.6	12703.7	11822.2	10659.5	9155.7	8094.8	7877.8	8145.8	8252.1	9231.0
37.5°	14274.0	14424.6	14211.9	13445.6	12083.6	10298.5	8909.9	8500.1	8794.7	8927.6	9992.9
40°	15277.2	15507.6	15492.1	15013.7	13762.4	11684.9	9944.2	9268.7	9600.9	9744.8	10916.4
42.5°	16092.2	16291.6	16464.3	16440.0	15514.2	13259.6	11160.0	10267.5	10520.0	10686.1	11955.1
45°	16654.8	16867.4	17239.5	17640.3	17199.6	14945.0	12553.1	11452.4	11682.7	11933.0	13193.2
47.5°	17157.5	17398.9	17881.8	18517.4	18630.3	16637.1	14079.1	12832.2	13042.6	13301.7	14435.6
50°	17201.8	17410.0	18158.6	19060.0	19646.9	18262.7	15718.0	14380.3	14577.4	14854.2	15766.7
52.5°	16132.1	16459.9	17766.6	19044.5	20114.2	19622.5	17345.8	15990.4	16211.8	16544.1	17144.2
55°	12522.1	13002.7	16617.1	18450.9	19948.1	20501.8	18893.9	17702.4	17985.8	18333.6	18530.7
57.5°	10785.7	10996.1	13190.9	17370.2	19190.7	20729.9	20200.6	19432.1	19888.3	20269.2	19996.8
60°	9693.9	9868.8	11166.7	15689.2	18194.0	20368.9	21210.5	21044.4	21832.8	22286.9	21496.2
62.5°	8524.5	8690.6	9871.1	13100.1	16918.3	19768.7	21848.3	22532.7	23826.1	24322.2	22909.2
65°	7364.0	7505.7	8637.5	11007.2	15297.2	19168.5	22178.3	23819.5	25671.0	26184.8	24083.0
67.5°	6070.6	6188.0	7257.7	9286.4	13326.0	18346.8	22342.2	24831.6	27276.7	27717.4	24663.3
70°	4380.7	4471.5	5576.7	7344.1	10852.2	16933.8	22275.8	25549.2	28109.4	28461.5	24224.7
72.5°	2070.8	2152.7	3450.6	4768.3	7665.2	14183.1	20931.4	24980.0	27263.4	27088.4	21540.5
75°	1105.2	1176.0	1982.2	2615.6	4048.5	9722.7	17128.7	21518.3	22893.7	22043.2	15919.5
77.5°	748.6	803.9	1227.0	1570.2	1849.3	4615.5	11009.4	14898.5	14333.8	12929.6	7973.0
80°	593.5	651.1	1005.5	1063.1	894.8	1667.7	4549.1	6896.7	4954.4	3962.2	2267.9
82.5°	456.2	520.5	846.0	770.7	487.2	684.4	1324.4	2181.5	1269.0	965.6	549.3
85°	279.1	347.7	664.4	491.7	274.6	312.3	449.6	606.8	387.6	323.4	197.1
87.5°	141.7	199.3	336.6	179.4	124.0	73.1	119.6	119.6	101.9	88.6	50.9
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°	6032.9	6032.9	6032.9	6032.9	6032.9	6032.9	6032.9	6032.9	6032.9	6032.9	6032.9
2.5°	6055.1	6099.4	6174.7	6245.5	6300.9	6354.1	6407.2	6436.0	6444.9	6480.3	6500.2
5°	6126.0	6207.9	6354.1	6491.4	6577.8	6630.9	6668.6	6690.7	6695.1	6706.2	6723.9
7.5°	6256.6	6387.3	6591.0	6728.4	6792.6	6788.2	6772.7	6717.3	6695.1	6675.2	6679.6
10°	6440.4	6613.2	6863.5	6958.7	6918.8	6812.5	6675.2	6513.5	6438.2	6365.1	6343.0
12.5°	6668.6	6887.8	7133.7	7129.2	6932.1	6659.7	6340.8	6092.7	5935.5	5822.5	5796.0
15°	6945.4	7197.9	7386.1	7235.5	6803.7	6314.2	5846.9	5523.5	5381.8	5257.8	5244.5
17.5°	7231.1	7501.3	7587.7	7202.3	6480.3	5802.6	5273.3	5018.6	4879.1	4812.6	4832.5
20°	7510.2	7778.1	7707.3	7011.8	5988.6	5222.3	4750.6	4611.1	4582.3	4597.8	4591.1
22.5°	7804.7	8043.9	7731.6	6644.2	5361.9	4628.8	4369.7	4374.1	4438.3	4484.8	4495.9
25°	8105.9	8267.6	7667.4	6112.7	4688.6	4192.5	4128.3	4199.1	4325.4	4416.2	4440.5
27.5°	8396.1	8466.9	7527.9	5454.9	4110.5	3880.2	3891.3	4037.5	4227.9	4354.2	4385.2
30°	8723.8	8644.1	7259.9	4715.2	3709.7	3612.2	3705.2	3875.8	4066.2	4179.2	4205.8
32.5°	9093.7	8796.9	6834.7	4030.8	3426.2	3397.4	3550.2	3661.0	3745.1	3778.3	3796.1
35°	9554.4	9011.7	6289.8	3550.2	3171.5	3240.2	3386.3	3331.0	3297.7	3280.0	3297.7
37.5°	10152.3	9301.9	5652.0	3237.9	2965.5	3127.2	3187.0	3014.3	2883.6	2819.4	2834.9
40°	10872.1	9727.1	5038.5	2996.5	2834.9	3029.8	2925.7	2717.5	2551.4	2460.6	2467.2
42.5°	11671.6	10172.3	4522.5	2814.9	2761.8	2950.0	2733.0	2484.9	2216.9	2188.2	2216.9
45°	12511.0	10630.7	4170.3	2675.4	2726.3	2881.4	2622.2	2221.4	2030.9	2148.3	2210.3
47.5°	13350.4	11051.5	3957.7	2571.3	2708.6	2803.9	2524.8	2075.2	1940.1	2110.6	2190.4
50°	14285.0	11428.0	3862.5	2496.0	2688.7	2772.8	2378.6	2037.6	1844.9	1957.8	2042.0
52.5°	15213.0	11720.4	3791.6	2420.7	2659.9	2748.5	2307.8	1993.3	1729.7	1736.4	1782.9
55°	16138.8	11910.8	3714.1	2321.0	2595.7	2695.3	2301.1	1944.5	1643.3	1612.3	1634.5
57.5°	17126.5	12019.4	3618.9	2210.3	2484.9	2560.2	2294.5	1906.9	1616.8	1565.8	1572.5
60°	18132.0	12178.8	3494.8	2075.2	2336.5	2398.6	2279.0	1893.6	1601.3	1514.9	1521.5
62.5°	19033.4	12234.2	3346.5	1946.8	2146.1	2239.1	2245.7	1882.5	1559.2	1410.8	1410.8
65°	19624.7	11995.0	3087.3	1800.6	1940.1	2075.2	2181.5	1844.9	1483.9	1335.5	1335.5
67.5°	19600.4	11312.9	2682.0	1612.3	1740.8	1893.6	2088.5	1780.6	1393.1	1242.5	1249.1
70°	18687.9	9966.3	2168.2	1393.1	1521.5	1698.7	1968.9	1685.4	1284.5	1140.6	1153.9
72.5°	16028.0	7800.3	1574.7	1136.2	1266.8	1497.2	1813.9	1570.2	1173.8	1049.8	1043.1
75°	11450.2	4936.6	1067.5	872.6	985.6	1269.0	1621.2	1435.1	1071.9	1054.2	994.4
77.5°	5849.1	2358.7	706.5	637.8	686.6	1001.1	1362.1	1282.3	1087.4	870.4	775.2
80°	1902.5	870.4	445.2	434.1	456.2	666.6	1054.2	1052.0	823.9	591.3	522.7
82.5°	606.8	374.3	290.1	279.1	268.0	418.6	735.3	832.7	555.9	374.3	372.1
85°	241.4	223.7	170.5	157.2	113.0	197.1	385.4	553.7	414.2	270.2	276.8
87.5°	88.6	88.6	46.5	33.2	24.4	66.4	104.1	166.1	237.0	139.5	137.3
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)