

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: P955556

Luminaire Tested: **GALN-SB8C-722-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P955556
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB8C-722-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(8) 70 CRI, 2200K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 50697 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 399.8
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



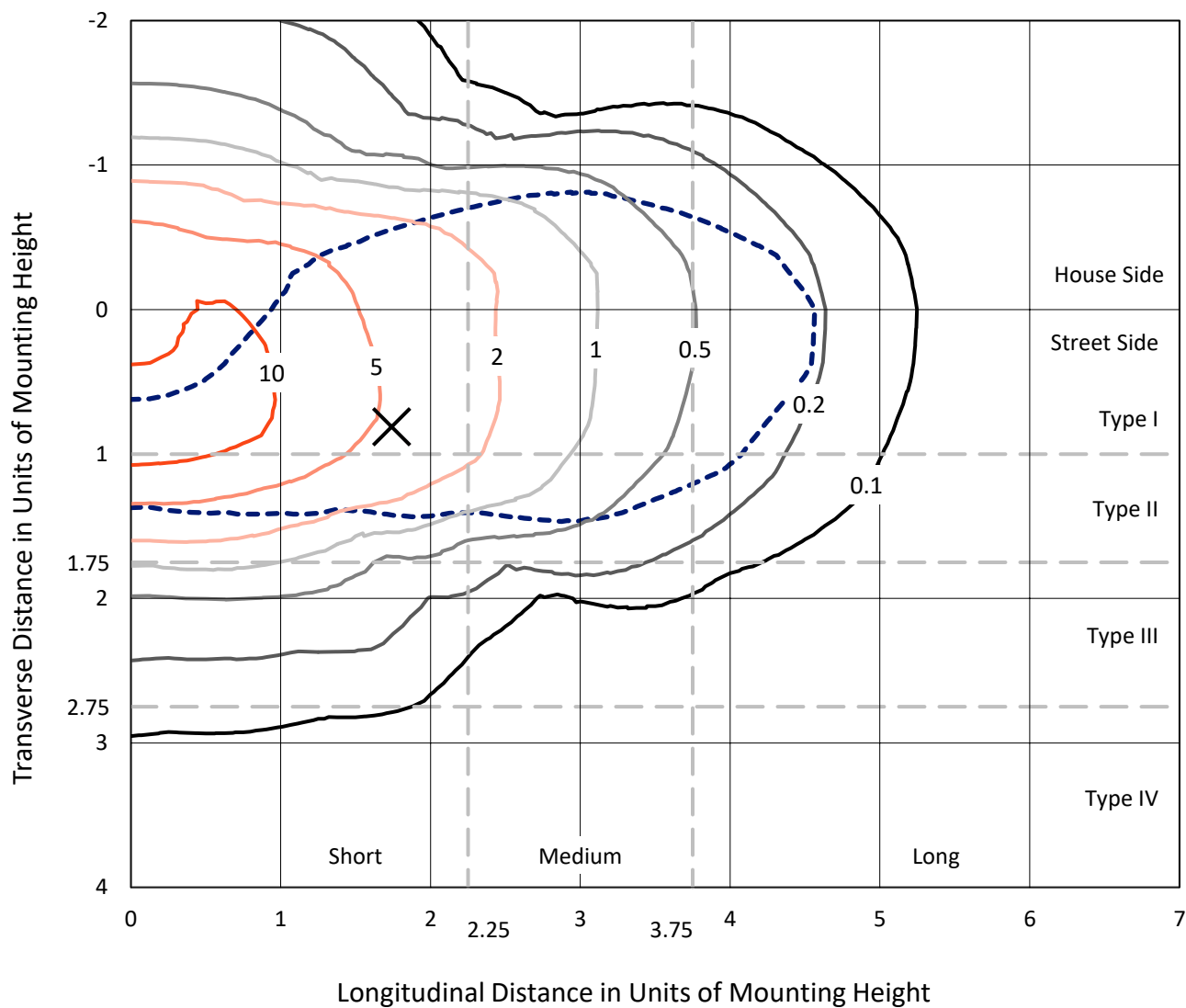
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Iso-Footcandle Lines of Horizontal Illumination

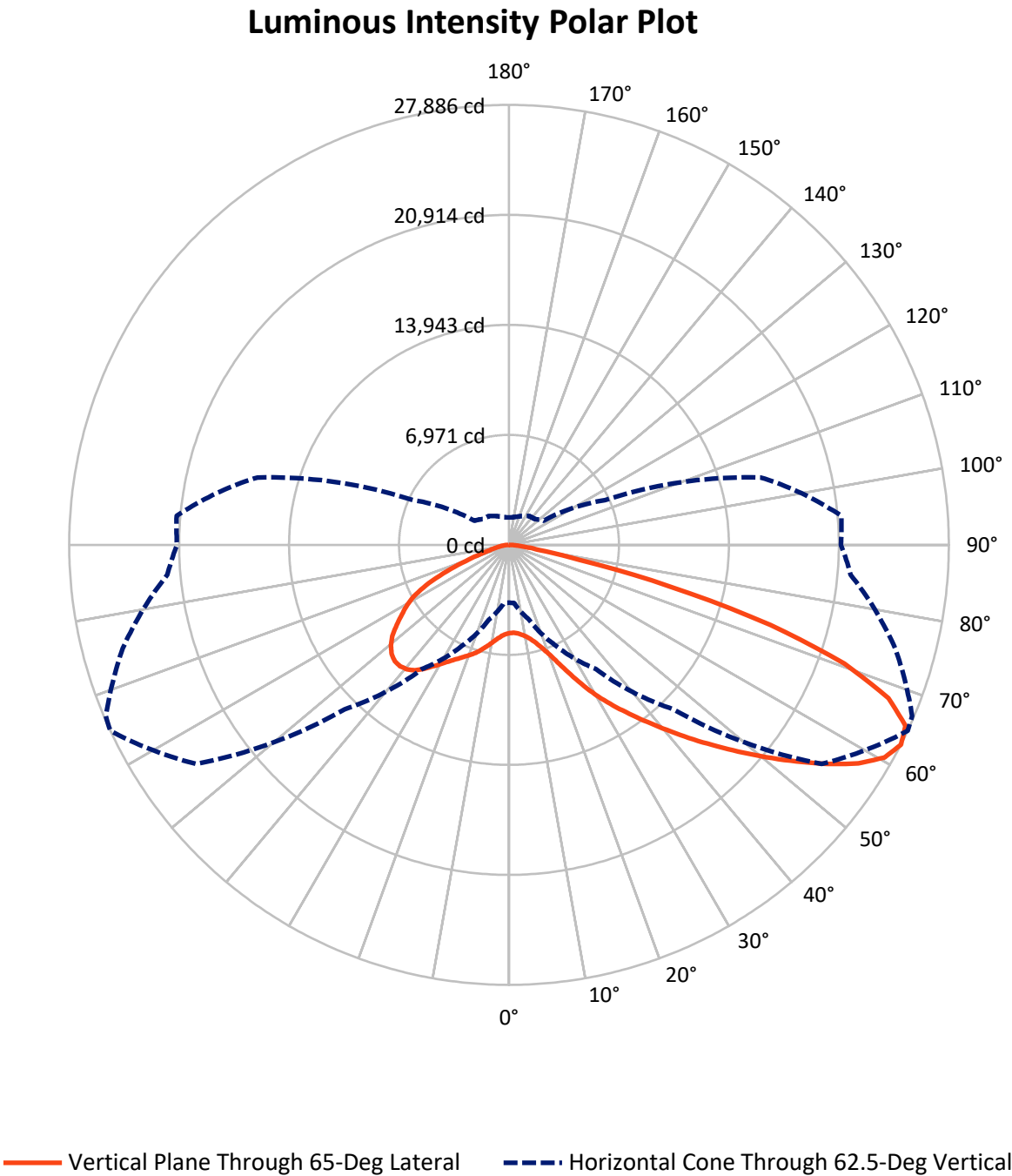
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.2 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15997.8	0.0	15997.8
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	34699.2	0.0	34699.2
	% Fixture	68.4	0.0	68.4
Total	Lumens	50697.0	0.0	50697.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	557.0	1.1
10°-20°	1888.8	3.7
20°-30°	3829.7	7.6
30°-40°	6627.2	13.1
40°-50°	10028.9	19.8
50°-60°	11758.3	23.2
60°-70°	9857.9	19.4
70°-80°	5442.4	10.7
80°-90°	706.9	1.4
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°	50697.0	100.0
0°-180°	50697.0	100.0

Coefficient of Utilization



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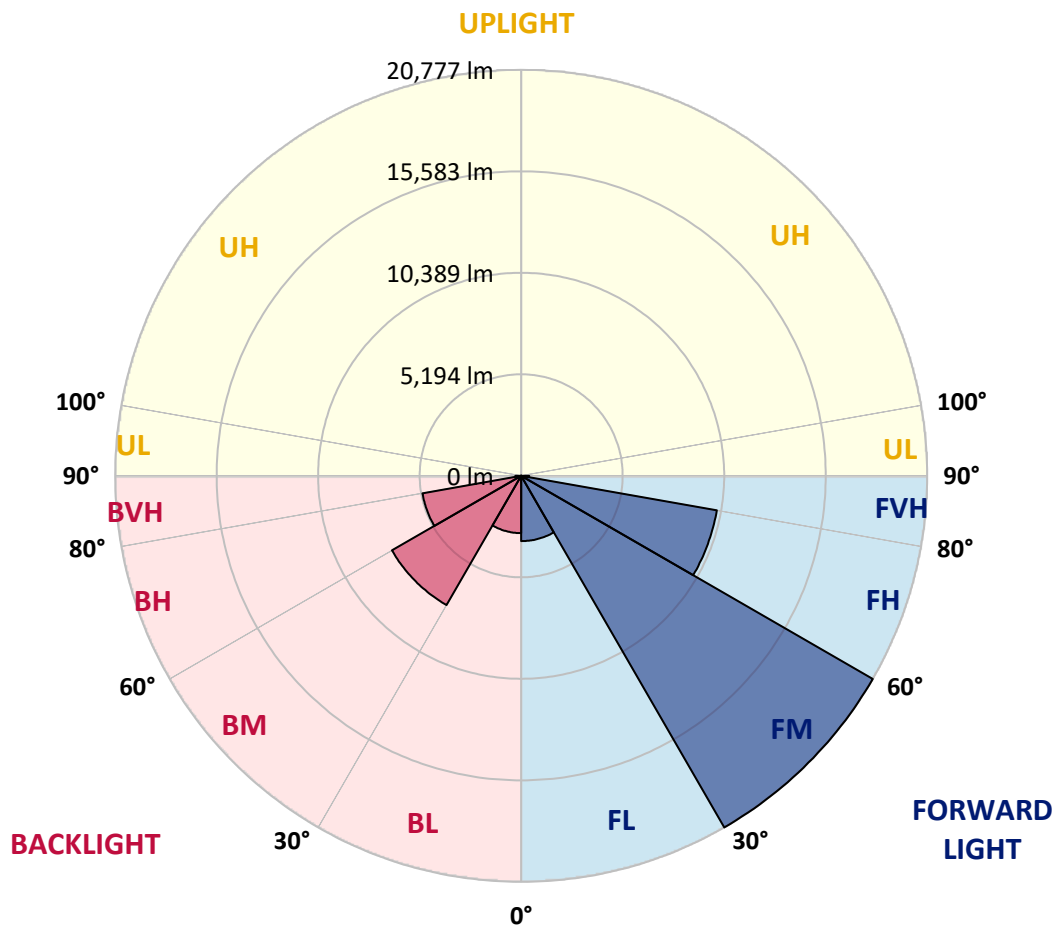
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3341.6	6.6			
FM	(30°-60°)	20777.3	41.0			
FH	(60°-80°)	10168.3	20.1			G4/12000
FVH	(80°-90°)	412.0	0.8			G3/500
BL	(0°-30°)	2933.8	5.8	B4/5000		
BM	(30°-60°)	7637.1	15.1	B4/8500		
BH	(60°-80°)	5131.9	10.1	B5		G5
BVH	(80°-90°)	294.9	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	5586.6	5586.6	5586.6	5586.6	5586.6	5586.6	5586.6	5586.6	5586.6	5586.6	5586.6
2.5°	5549.8	5534.0	5547.1	5547.1	5552.4	5549.8	5568.2	5573.4	5581.3	5597.1	5597.1
5°	5494.5	5491.9	5515.6	5536.6	5557.7	5576.1	5599.7	5633.9	5639.2	5657.6	5681.3
7.5°	5476.1	5460.3	5497.2	5523.5	5573.4	5618.2	5681.3	5739.1	5762.8	5770.7	5815.4
10°	5618.2	5591.9	5626.0	5641.8	5683.9	5728.6	5802.3	5894.3	5920.6	5952.2	6002.2
12.5°	5860.1	5831.2	5881.2	5904.8	5944.3	5983.8	6033.7	6123.2	6136.3	6194.2	6241.5
15°	6191.5	6157.3	6188.9	6217.8	6283.6	6320.4	6370.4	6457.2	6457.2	6501.9	6536.1
17.5°	6641.3	6596.6	6620.3	6630.8	6672.9	6728.1	6812.3	6888.5	6928.0	6912.2	6864.9
20°	7312.0	7256.8	7256.8	7204.2	7188.4	7233.1	7343.6	7448.8	7490.9	7409.3	7293.6
22.5°	8319.4	8240.5	8195.8	8016.9	7945.9	7951.2	8061.6	8190.5	8224.7	8080.0	7819.6
25°	9600.3	9476.7	9416.2	9153.2	8992.7	8853.3	8940.1	9105.8	9153.2	8974.3	8553.5
27.5°	10881.2	10889.1	10831.3	10515.6	10250.0	9994.8	9950.1	10123.7	10173.7	9971.2	9450.4
30°	12677.7	12490.9	12380.5	12001.7	11622.9	11265.2	11081.1	11152.1	11165.3	10923.3	10318.4
32.5°	14226.9	14179.5	13942.8	13611.4	13124.8	12564.6	12256.8	12143.7	12122.7	11778.1	11060.1
35°	15991.7	15965.4	15715.6	15321.0	14795.0	14016.4	13461.5	13138.0	13111.7	12627.7	11793.9
37.5°	17785.6	17785.6	17540.9	17109.6	16565.1	15592.0	14747.6	14234.8	14150.6	13519.3	12540.9
40°	19216.4	19129.6	19174.3	18992.8	18369.5	17335.8	16175.9	15431.5	15318.4	14560.9	13335.2
42.5°	20029.1	20000.2	20268.5	20471.0	20215.9	19390.0	17748.7	16728.2	16570.4	15707.7	14250.5
45°	20210.6	20179.1	20657.8	21399.5	21757.2	21417.9	19458.4	18093.3	17901.3	16907.1	15231.6
47.5°	19792.4	19729.3	20431.6	21602.0	22748.8	23345.8	21310.1	19574.1	19295.3	18074.9	16239.0
50°	18535.2	18474.7	19537.3	21091.7	23082.8	24655.7	23319.5	21144.3	20718.3	19326.9	17256.9
52.5°	15802.4	15831.3	17496.2	19632.0	22643.6	25471.1	25050.2	22798.8	22285.9	20607.8	18211.7
55°	12309.4	12372.6	14418.9	16770.3	20886.6	25347.4	26231.2	24503.1	23992.9	21812.4	19198.0
57.5°	8813.9	9092.7	11010.1	13337.9	17512.0	23387.9	26489.0	26123.4	25628.9	23127.5	20163.3
60°	5712.8	5762.8	7735.5	10081.6	13335.2	19905.5	25965.5	27351.7	26965.0	24468.9	20970.8
62.5°	3661.3	3695.5	4897.5	7051.6	9597.7	14726.6	24203.3	27885.6	27767.2	25355.3	21746.7
65°	2690.7	2664.4	3290.4	4660.8	6465.1	9082.2	20781.4	27627.8	27861.9	25910.3	22388.4
67.5°	2246.2	2209.4	2517.1	3227.3	4763.3	5157.9	15376.3	25952.4	26809.8	25847.2	22859.3
70°	2046.3	2014.7	2201.5	2396.1	3716.5	3453.5	7751.3	22562.0	23882.4	25129.1	22783.0
72.5°	1733.3	1678.1	1933.2	2127.8	2890.6	2648.6	3203.6	17330.5	18940.2	22827.7	21709.8
75°	1344.0	1307.2	1525.5	1872.7	2172.6	2067.4	2025.3	10523.5	12280.5	17654.0	18992.8
77.5°	1065.2	1015.3	1215.2	1459.8	1954.3	1559.7	1475.6	4531.9	6273.1	11270.5	14211.1
80°	802.2	757.5	923.2	1154.7	1501.9	1175.7	954.8	1849.0	2364.6	5710.2	7146.3
82.5°	570.8	531.3	644.4	846.9	1010.0	1054.7	586.5	1036.3	1165.2	2201.5	1596.5
85°	365.6	341.9	431.4	531.3	641.8	678.6	357.7	541.8	594.4	907.4	665.4
87.5°	199.9	163.1	231.5	247.2	297.2	270.9	171.0	197.3	213.0	328.8	281.4
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°	5586.6	5586.6	5586.6	5586.6	5586.6	5586.6	5586.6	5586.6	5586.6	5586.6	5586.6
2.5°	5607.6	5615.5	5641.8	5649.7	5668.1	5691.8	5707.6	5723.4	5723.4	5739.1	5739.1
5°	5683.9	5702.3	5757.6	5786.5	5833.8	5881.2	5910.1	5944.3	5965.3	5975.9	5981.1
7.5°	5831.2	5860.1	5939.0	5989.0	6070.6	6136.3	6181.0	6228.4	6238.9	6267.8	6257.3
10°	6031.1	6065.3	6154.7	6249.4	6346.7	6428.3	6470.3	6504.5	6517.7	6522.9	6509.8
12.5°	6259.9	6309.9	6425.6	6541.4	6643.9	6715.0	6725.5	6717.6	6680.8	6649.2	6649.2
15°	6541.4	6586.1	6715.0	6841.2	6941.2	6954.3	6888.5	6846.5	6801.8	6793.9	6793.9
17.5°	6878.0	6901.7	7020.1	7143.7	7151.6	7106.9	7009.5	6970.1	6928.0	6899.1	6901.7
20°	7269.9	7262.0	7346.2	7398.8	7343.6	7206.8	7059.5	6993.8	6951.7	6917.5	6920.1
22.5°	7738.1	7677.6	7667.1	7653.9	7506.7	7220.0	7020.1	6935.9	6870.1	6822.8	6838.6
25°	8419.3	8187.9	8027.4	7938.0	7606.6	7148.9	6893.8	6707.1	6583.4	6501.9	6533.5
27.5°	9271.5	8882.3	8477.2	8258.9	7606.6	7004.3	6588.7	6286.2	6083.7	5999.5	6041.6
30°	10084.3	9676.6	9079.5	8645.5	7588.2	6767.6	6096.9	5676.0	5439.3	5355.1	5405.1
32.5°	10778.6	10334.1	9718.7	9069.0	7543.5	6383.5	5486.6	5021.1	4792.3	4692.3	4742.3
35°	11423.1	10949.6	10360.4	9534.6	7425.1	5820.7	4815.9	4460.9	4205.7	4045.3	4097.9
37.5°	12083.2	11520.4	10968.0	9955.4	7212.1	5163.1	4300.4	3997.9	3698.1	3482.4	3540.3
40°	12801.3	12127.9	11617.7	10205.3	6862.2	4537.1	3900.6	3624.4	3306.2	3077.4	3122.1
42.5°	13640.3	12856.5	12341.0	10334.1	6383.5	4092.6	3640.2	3369.3	3069.5	2882.7	2919.5
45°	14516.2	13658.7	13001.2	10331.5	5849.6	3884.8	3556.1	3287.8	2956.4	2761.7	2793.3
47.5°	15434.1	14497.8	13571.9	10163.2	5386.7	3913.8	3508.7	3111.6	2746.0	2556.6	2582.9
50°	16354.7	15415.7	14124.3	9847.5	5189.4	3850.6	3332.5	2864.3	2433.0	2262.0	2272.5
52.5°	17267.4	16391.5	14600.4	9397.8	4989.5	3616.6	3106.3	2543.4	2304.1	2185.7	2185.7
55°	18185.3	17356.8	15118.5	8742.9	4489.8	3343.0	2727.5	2422.4	2201.5	2093.7	2083.1
57.5°	19105.9	18472.0	15610.4	8087.9	3861.2	3006.3	2519.8	2275.1	2098.9	2006.9	1991.1
60°	20063.3	19747.7	16118.0	7485.6	3240.4	2575.0	2367.2	2156.8	1977.9	1875.3	1867.5
62.5°	21049.7	21152.2	16515.2	6709.7	2669.7	2312.0	2230.4	2014.7	1841.2	1743.8	1741.2
65°	22043.9	22506.8	16775.6	5633.9	2164.7	2062.1	2083.1	1859.6	1683.3	1599.2	1596.5
67.5°	22793.5	23482.6	16701.9	4263.6	1775.4	1825.4	1899.0	1696.5	1530.8	1465.0	1467.7
70°	22877.7	23366.9	15976.0	2919.5	1486.1	1593.9	1693.9	1536.0	1365.1	1317.7	1320.4
72.5°	21757.2	21788.8	13953.3	1906.9	1257.2	1399.3	1478.2	1373.0	1207.3	1159.9	1157.3
75°	18819.2	18019.6	10244.7	1257.2	1052.1	1202.0	1275.7	1202.0	1041.6	1052.1	1015.3
77.5°	14258.4	12761.8	6220.5	894.3	878.5	1010.0	1110.0	1057.3	920.6	1033.7	910.1
80°	7346.2	6904.3	2774.9	668.1	694.4	807.5	912.7	844.3	728.6	694.4	633.9
82.5°	1683.3	1956.9	1094.2	478.7	502.4	581.3	697.0	633.9	523.4	441.9	436.6
85°	589.2	644.4	484.0	299.8	294.6	363.0	473.4	423.5	355.1	284.1	299.8
87.5°	186.7	244.6	181.5	121.0	126.3	163.1	218.3	199.9	165.7	107.8	113.1
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)