

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: P952356

Luminaire Tested: **GALN-SB6B-727-U-SL3**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952356
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-12)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6B-727-U-SL3
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 2700K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30955 lumens
Efficiency: N/A
Efficacy: 140.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

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

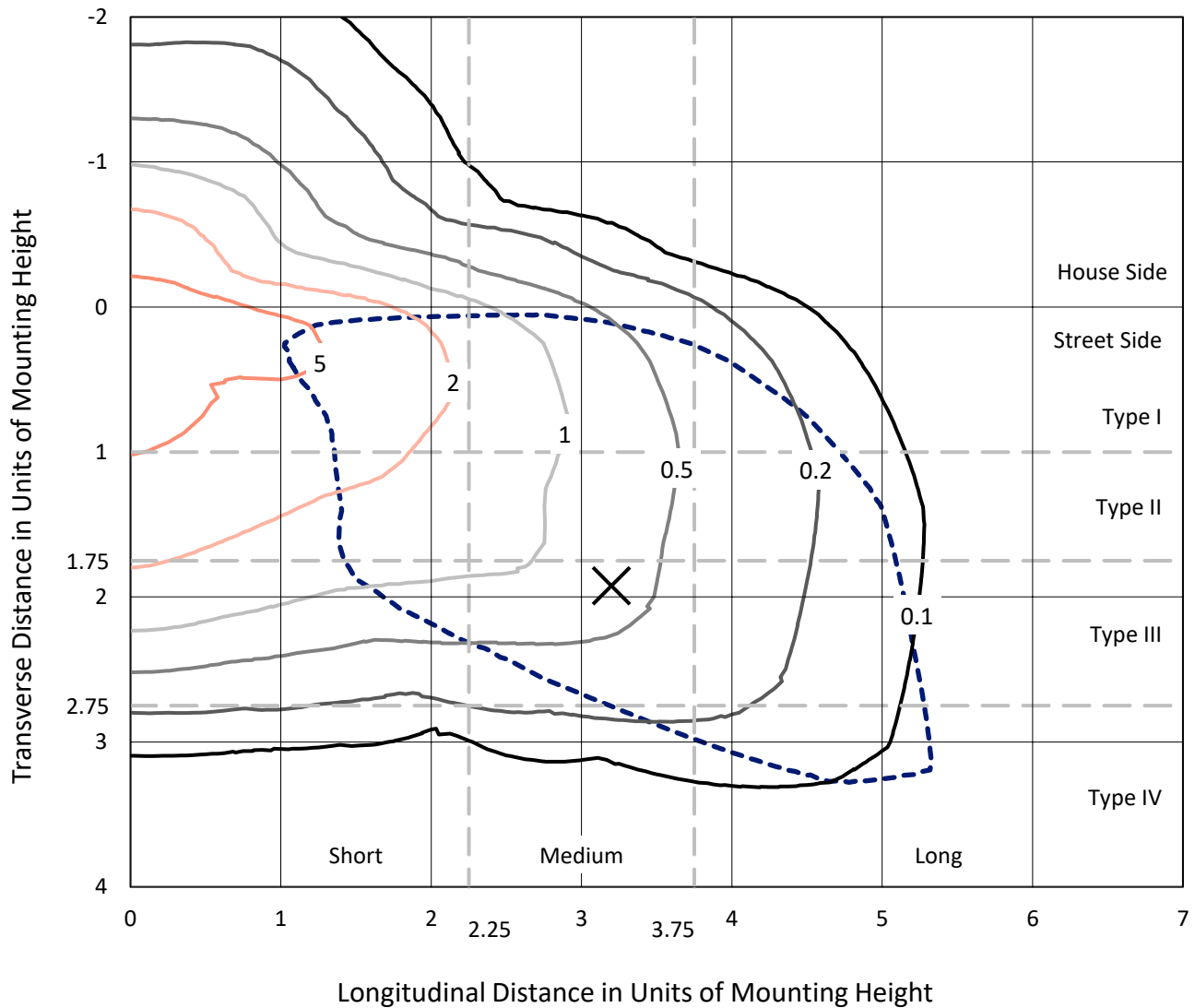


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Iso-Footcandle Lines of Horizontal Illumination

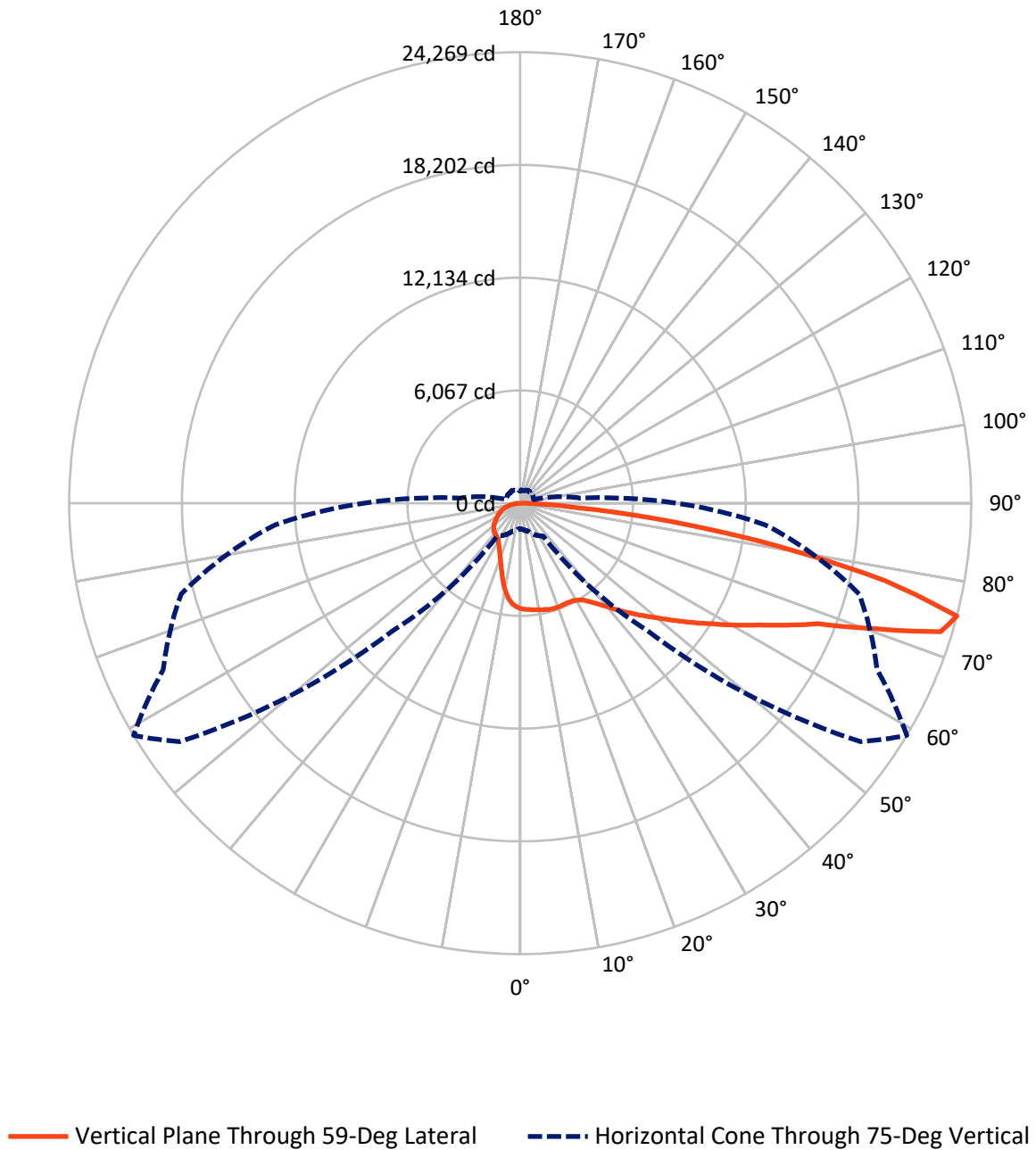
× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5805.8	0.0	5805.8
	% Fixture	18.8	0.0	18.8
Street Side	Lumens	25149.2	0.0	25149.2
	% Fixture	81.2	0.0	81.2
Total	Lumens	30955.0	0.0	30955.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	509.5	1.6
10°-20°	1302.2	4.2
20°-30°	1978.0	6.4
30°-40°	2940.2	9.5
40°-50°	4372.5	14.1
50°-60°	5935.2	19.2
60°-70°	7245.9	23.4
70°-80°	5686.5	18.4
80°-90°	985.0	3.2
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°	30955.0	100.0
0°-180°	30955.0	100.0

Coefficient of Utilization



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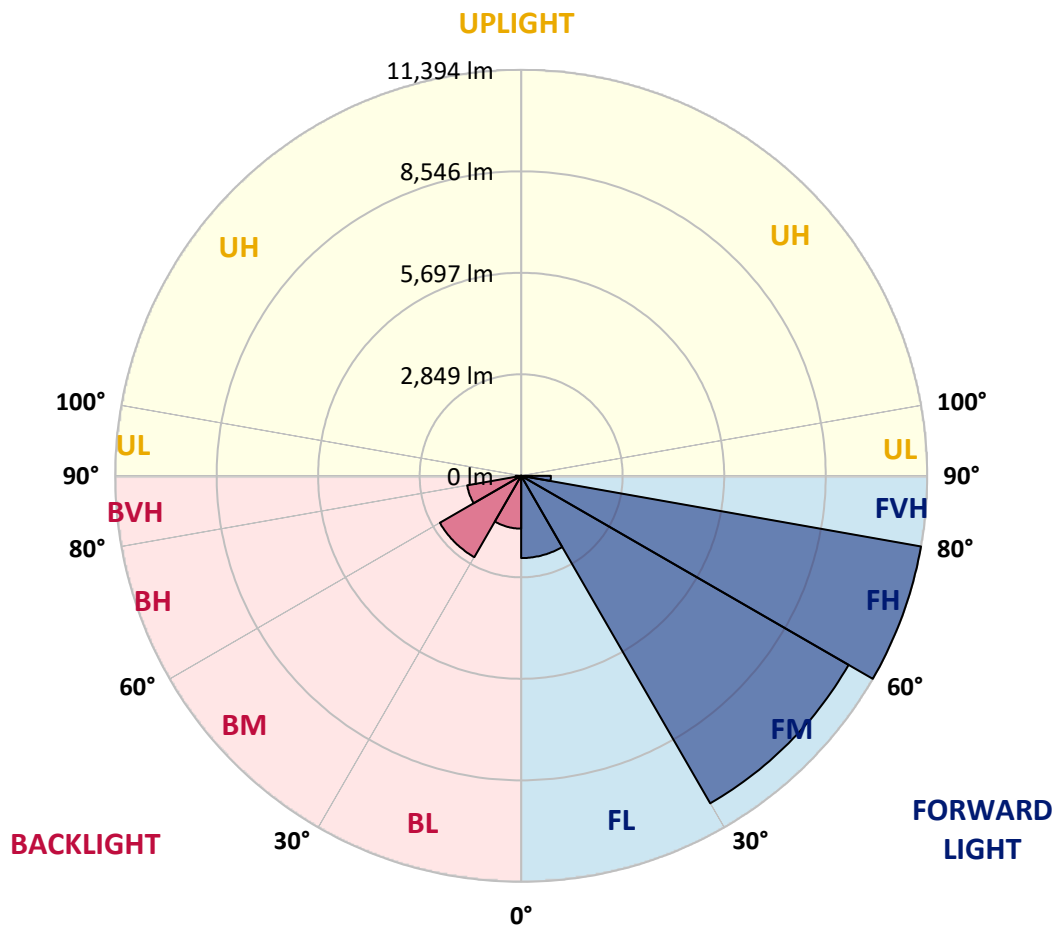
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2308.0	7.5			
FM	(30°-60°)	10612.7	34.3			
FH	(60°-80°)	11394.2	36.8			G4/12000
FVH	(80°-90°)	834.3	2.7			G5
BL	(0°-30°)	1481.6	4.8	B3/2500		
BM	(30°-60°)	2635.3	8.5	B3/5000		
BH	(60°-80°)	1538.2	5.0	B3/2500		G3/2500
BVH	(80°-90°)	150.8	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-G5

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	5681.7	5681.7	5681.7	5681.7	5681.7	5681.7	5681.7	5681.7	5681.7	5681.7	5681.7
2.5°	5730.0	5710.0	5730.0	5721.7	5718.4	5711.7	5713.4	5725.0	5718.4	5726.7	5698.4
5°	5691.7	5680.1	5700.0	5695.0	5716.7	5720.0	5741.7	5755.0	5763.3	5765.0	5743.3
7.5°	5628.4	5616.8	5645.1	5668.4	5715.0	5728.3	5773.3	5795.0	5806.6	5826.6	5795.0
10°	5397.0	5392.0	5461.9	5550.2	5660.1	5728.3	5796.6	5833.3	5851.6	5904.9	5868.2
12.5°	4987.3	4994.0	5085.6	5255.4	5475.2	5695.0	5823.3	5876.6	5904.9	5971.5	5954.8
15°	4596.0	4594.3	4694.2	4875.8	5183.8	5548.5	5836.6	5928.2	5976.5	6074.7	6061.4
17.5°	4369.5	4362.9	4432.8	4571.0	4857.4	5323.7	5803.3	5956.5	6059.7	6183.0	6171.3
20°	4327.9	4314.6	4351.2	4419.5	4622.6	5077.2	5716.7	5956.5	6126.3	6286.2	6279.5
22.5°	4479.4	4457.8	4442.8	4434.5	4524.4	4874.1	5618.4	5936.5	6224.6	6434.4	6422.7
25°	4784.2	4750.9	4674.3	4599.3	4572.7	4782.5	5531.9	5931.5	6371.1	6634.2	6590.9
27.5°	5277.1	5235.4	5080.6	4900.7	4739.2	4829.1	5493.6	5961.5	6532.6	6845.7	6759.1
30°	5888.2	5843.2	5648.4	5372.0	5082.2	5002.3	5541.8	6049.7	6739.1	7127.1	6957.3
32.5°	6436.1	6386.1	6219.6	5938.2	5546.8	5302.1	5695.0	6217.9	7063.9	7518.5	7255.4
35°	6922.3	6864.0	6714.2	6454.4	6116.3	5723.4	5971.5	6516.0	7525.1	8154.6	7660.0
37.5°	7398.6	7330.3	7167.1	6892.3	6655.9	6284.5	6352.8	6899.0	8137.9	8927.2	8196.2
40°	7931.4	7833.2	7635.0	7363.6	7133.8	6942.3	6854.0	7368.6	8760.7	9789.8	8865.6
42.5°	8447.6	8354.4	8117.9	7886.5	7598.4	7543.4	7435.2	7918.1	9441.8	10737.3	9545.0
45°	9003.8	8892.3	8605.8	8312.8	8131.3	7943.1	7998.0	8467.6	10109.5	11703.1	10257.7
47.5°	9525.0	9400.2	9062.1	8735.7	8635.8	8279.5	8514.3	9072.1	10803.9	12682.3	10963.8
50°	9806.5	9683.2	9401.8	9107.1	9028.8	8694.1	9073.8	9736.5	11531.6	13658.1	11641.5
52.5°	10041.3	9908.0	9540.0	9376.8	9353.5	9145.4	9763.2	10495.9	12259.3	14520.7	12296.0
55°	10291.0	10142.8	9673.2	9526.7	9633.3	9651.6	10580.8	11356.8	13028.7	15361.6	12913.8
57.5°	10579.1	10391.0	9801.5	9653.3	9906.4	10244.4	11520.0	12249.3	13784.7	16141.0	13463.3
60°	10850.6	10660.7	10047.9	9854.8	10201.1	10932.2	12597.4	13330.1	14640.6	16835.3	13982.8
62.5°	10903.8	10747.3	10244.4	10242.8	10600.8	11734.8	13872.9	14420.8	15388.3	17521.4	14449.1
65°	9981.3	9883.1	9585.0	10227.8	11173.6	12890.4	15293.4	15816.2	16339.1	18120.9	14858.7
67.5°	7596.7	7610.0	7588.4	8829.0	10710.7	14550.7	17349.9	17309.9	17513.1	18793.6	15330.0
70°	3473.6	3551.9	4061.5	6094.7	8580.9	14742.2	20750.3	20232.4	18986.8	19664.6	15738.0
72.5°	1876.7	1936.6	2144.8	2952.4	5158.8	13106.9	23291.4	23659.4	20946.8	20250.7	15290.0
75°	1377.1	1410.4	1555.3	1876.7	2166.4	9741.5	22380.5	24268.9	21191.6	18883.6	13203.5
77.5°	1030.8	1045.8	1164.0	1487.0	1109.0	5135.5	17882.8	20099.2	18140.9	15514.8	9753.2
80°	747.7	764.3	852.6	1115.7	777.7	1878.4	12279.3	14107.7	12424.2	9889.7	4860.8
82.5°	516.2	522.9	561.2	759.3	542.9	729.4	6967.3	8272.8	6935.6	3470.3	1312.2
85°	311.4	319.7	336.4	442.9	308.1	346.4	3007.4	3110.6	2073.2	829.3	408.0
87.5°	128.2	136.5	149.9	186.5	121.6	96.6	496.2	622.8	388.0	243.1	126.6
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°	5681.7	5681.7	5681.7	5681.7	5681.7	5681.7	5681.7	5681.7	5681.7	5681.7	5681.7
2.5°	5690.0	5678.4	5646.8	5603.5	5563.5	5513.5	5491.9	5473.6	5456.9	5425.3	5410.3
5°	5725.0	5693.4	5608.5	5498.5	5373.7	5237.1	5103.9	5012.3	4934.0	4875.8	4827.5
7.5°	5778.3	5718.4	5563.5	5338.7	5052.3	4759.2	4494.4	4306.3	4164.7	4113.1	4023.2
10°	5833.3	5761.7	5491.9	5095.6	4601.0	4149.7	3798.4	3605.2	3492.0	3455.3	3398.7
12.5°	5898.2	5793.3	5380.3	4757.5	4096.4	3601.9	3295.5	3182.2	3123.9	3104.0	3109.0
15°	5993.1	5819.9	5212.1	4334.6	3615.2	3202.2	3004.1	2925.8	2895.8	2894.1	2900.8
17.5°	6064.7	5824.9	4950.7	3881.6	3245.5	2960.8	2797.6	2767.6	2787.6	2817.5	2829.2
20°	6144.7	5780.0	4607.7	3468.6	2985.7	2749.3	2681.0	2701.0	2749.3	2792.6	2807.6
22.5°	6201.3	5698.4	4193.0	3147.3	2760.9	2627.7	2624.4	2666.0	2692.7	2714.3	2726.0
25°	6251.2	5560.2	3753.4	2877.5	2576.1	2554.4	2591.1	2577.8	2559.4	2577.8	2589.4
27.5°	6287.9	5342.0	3360.4	2641.0	2446.2	2504.5	2482.8	2452.9	2451.2	2461.2	2477.8
30°	6276.2	5050.6	3037.4	2416.2	2354.6	2411.2	2359.6	2354.6	2349.6	2354.6	2372.9
32.5°	6276.2	4719.2	2789.2	2261.4	2296.3	2274.7	2269.7	2258.0	2238.1	2236.4	2258.0
35°	6311.2	4387.8	2576.1	2178.1	2248.0	2196.4	2199.8	2171.4	2129.8	2109.8	2129.8
37.5°	6382.8	4121.4	2364.6	2138.1	2163.1	2161.5	2148.1	2099.8	2026.6	1963.3	1984.9
40°	6556.0	4043.1	2219.7	2119.8	2123.2	2143.1	2108.2	2014.9	1848.4	1745.1	1758.5
42.5°	6827.4	4174.7	2188.1	2074.9	2096.5	2116.5	2048.2	1831.7	1713.5	1651.9	1651.9
45°	7172.1	4404.5	2256.4	2009.9	2033.2	2068.2	1865.0	1761.8	1708.5	1710.2	1718.5
47.5°	7608.4	4646.0	2382.9	1953.3	1941.6	1961.6	1743.5	1680.2	1606.9	1625.3	1671.9
50°	8112.9	4890.7	2502.8	1876.7	1840.1	1775.1	1665.2	1605.3	1512.0	1468.7	1480.4
52.5°	8659.1	5127.2	2551.1	1783.4	1730.2	1655.2	1611.9	1538.7	1425.4	1353.8	1352.2
55°	9177.0	5342.0	2497.8	1671.9	1620.3	1562.0	1555.3	1510.4	1388.8	1288.9	1288.9
57.5°	9666.6	5521.9	2364.6	1558.6	1508.7	1473.7	1518.7	1497.0	1343.8	1215.6	1208.9
60°	10081.2	5645.1	2171.4	1443.7	1408.8	1390.5	1458.7	1452.1	1280.6	1137.3	1132.3
62.5°	10410.9	5693.4	1958.3	1333.8	1325.5	1292.2	1375.5	1375.5	1200.6	1060.7	1055.7
65°	10669.0	5646.8	1741.8	1225.6	1242.3	1192.3	1273.9	1263.9	1115.7	992.5	985.8
67.5°	10897.2	5493.6	1502.0	1119.0	1157.3	1094.0	1167.3	1144.0	1022.4	924.2	917.5
70°	10998.8	5137.2	1228.9	1012.5	1059.1	997.5	1060.7	1017.4	917.5	850.9	837.6
72.5°	10182.8	4269.6	967.5	900.9	940.8	890.9	945.8	895.9	804.3	774.3	749.3
75°	8424.3	3203.9	744.4	779.3	809.3	771.0	807.6	771.0	687.7	709.4	647.8
77.5°	6118.0	2163.1	569.5	651.1	664.4	644.4	676.1	634.4	559.5	554.5	529.5
80°	3042.4	1267.2	446.3	514.6	509.6	496.2	532.9	512.9	449.6	476.3	471.3
82.5°	880.9	542.9	324.7	361.4	351.4	354.7	381.3	391.3	586.2	581.2	594.5
85°	276.4	213.1	194.8	201.5	191.5	196.5	224.8	446.3	413.0	241.5	261.4
87.5°	71.6	73.3	48.3	51.6	53.3	63.3	71.6	271.4	129.9	84.9	89.9
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)