

Scaled data based on original data using
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P643316

Luminaire Tested: GWS-SA6E-760-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643316
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-760-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 44251.4 lumens
Efficiency: N/A
Efficacy: 136.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT

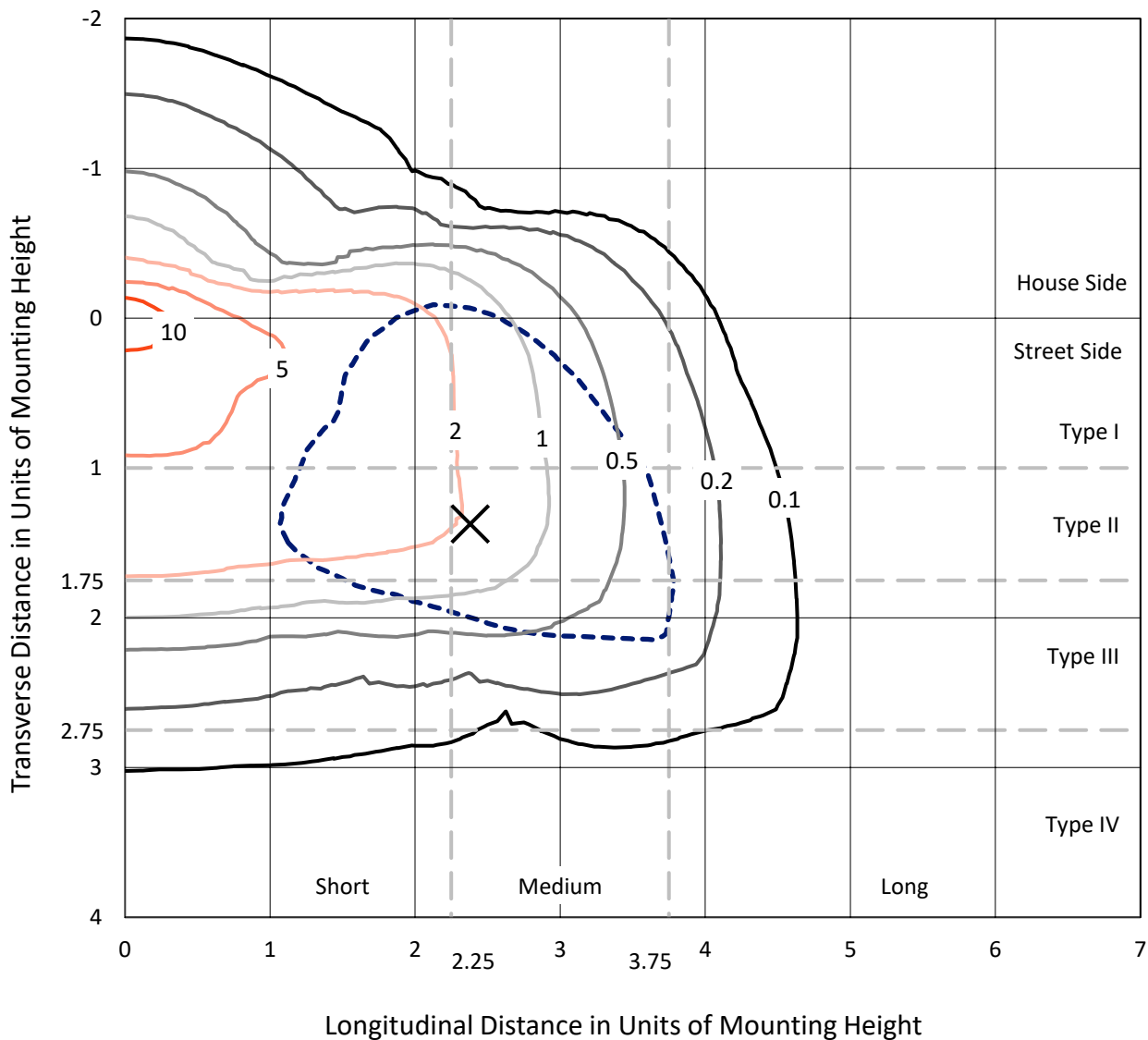


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Iso-Footcandle Lines of Horizontal Illumination

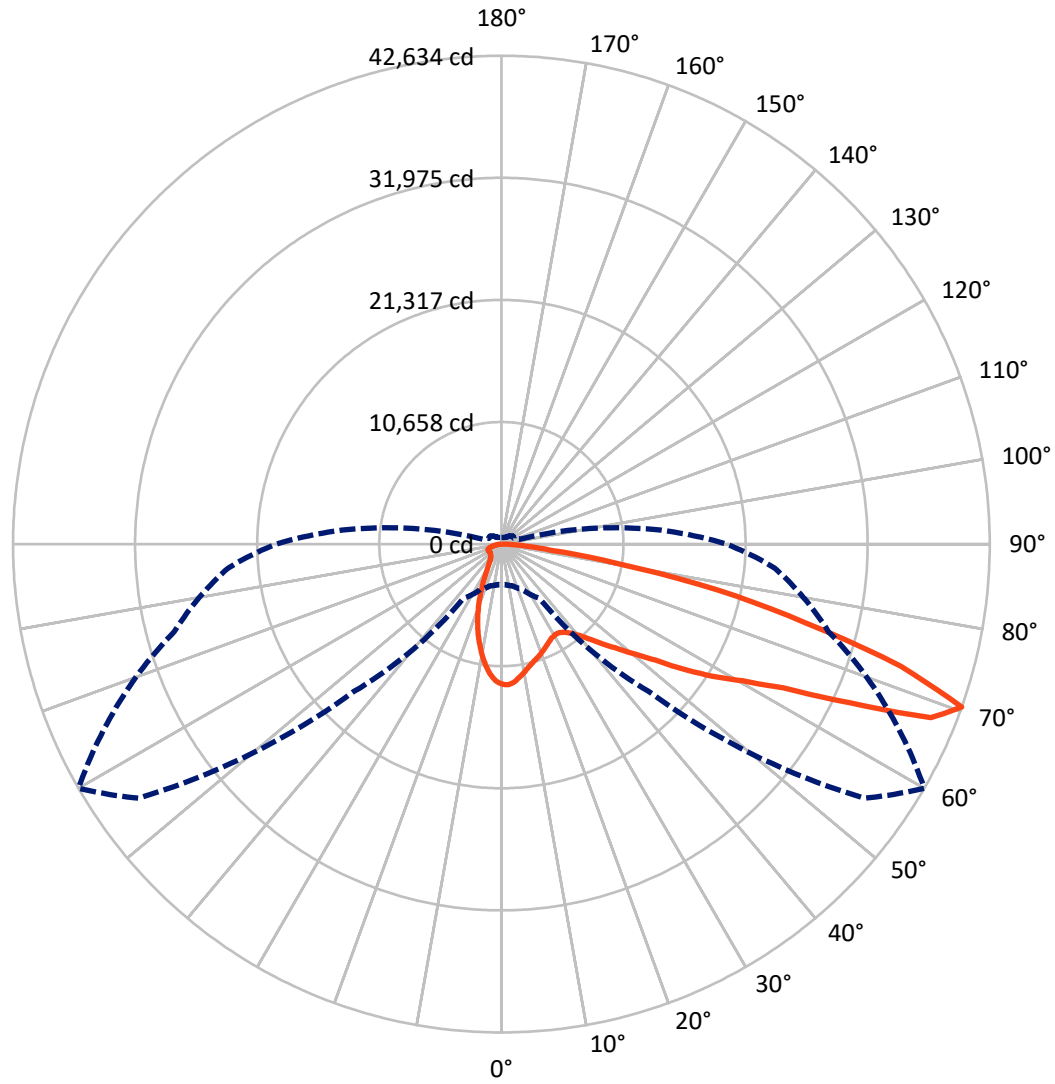
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 13.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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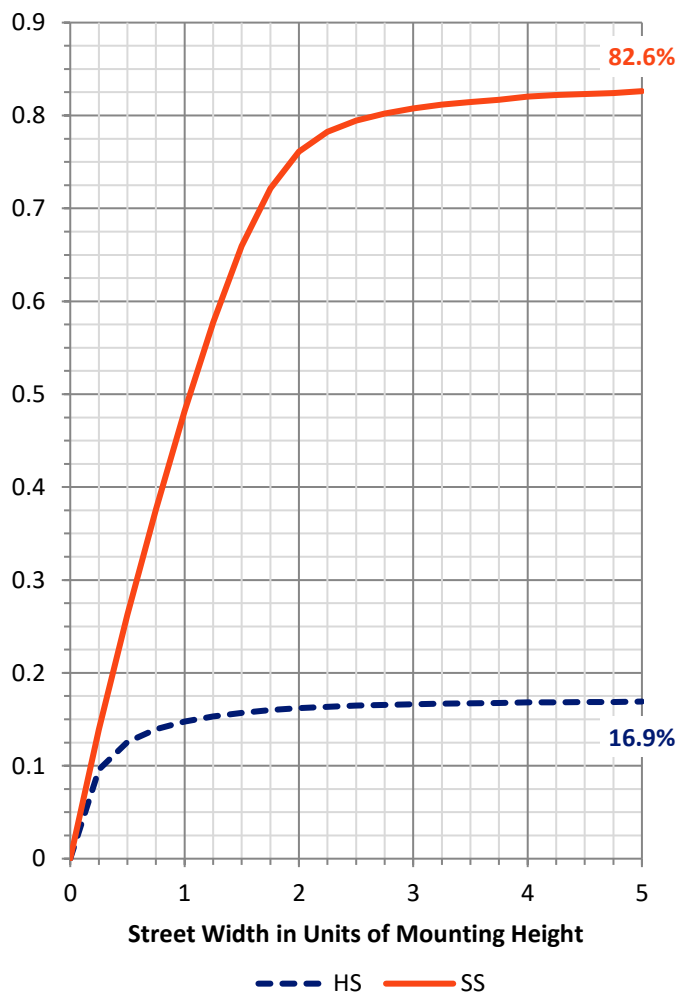
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7568.0	0.0	7568.0
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	36683.4	0.0	36683.4
	% Fixture	82.9	0.0	82.9
Total	Lumens	44251.4	0.0	44251.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1055.5	2.4
10°-20°	2364.6	5.3
20°-30°	3028.2	6.8
30°-40°	3979.8	9.0
40°-50°	5774.1	13.0
50°-60°	9009.0	20.4
60°-70°	11794.5	26.7
70°-80°	6522.0	14.7
80°-90°	723.8	1.6
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°	44251.4	100.0
0°-180°	44251.4	100.0

Coefficient of Utilization



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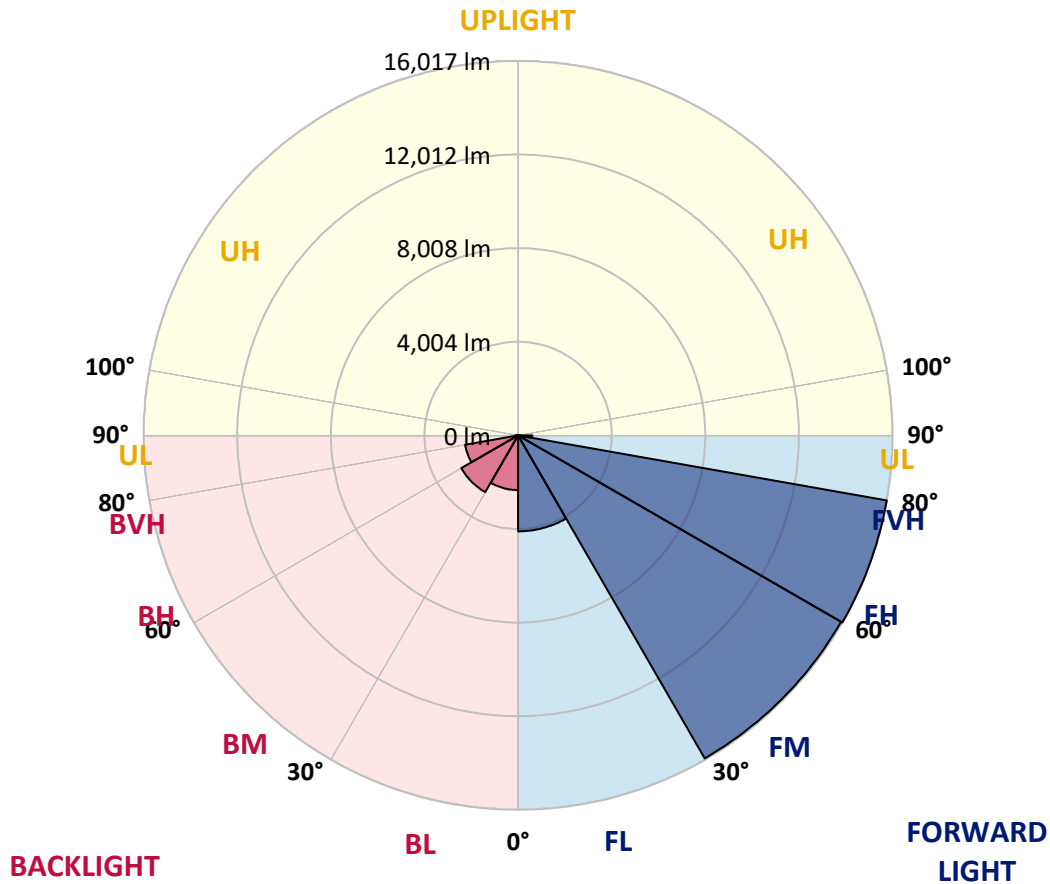
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4106.8	9.3			
FM (30°-60°)	15956.9	36.1			
FH (60°-80°)	16016.6	36.2			G5
FVH (80°-90°)	603.1	1.4			G4/750
BL (0°-30°)	2341.5	5.3	B3/2500		
BM (30°-60°)	2806.0	6.3	B3/5000		
BH (60°-80°)	2299.9	5.2	B3/2500		G3/2500
BVH (80°-90°)	120.7	0.3			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	12244.9	12244.9	12244.9	12244.9	12244.9	12244.9	12244.9	12244.9	12244.9	12244.9	12244.9
2.5°	12073.3	12086.3	12121.9	12173.7	12225.5	12251.4	12316.2	12296.7	12283.8	12257.9	12225.5
5°	11539.1	11565.0	11597.4	11697.8	11811.1	11901.7	12047.4	12063.6	12070.1	12083.1	12031.2
7.5°	10859.2	10865.7	10943.4	11076.1	11225.1	11380.5	11623.3	11691.3	11749.6	11814.3	11772.2
10°	10108.1	10124.2	10182.5	10373.6	10629.3	10859.2	11186.2	11299.5	11422.6	11565.0	11506.7
12.5°	9492.9	9496.1	9590.0	9794.0	10072.4	10383.3	10791.2	10927.2	11089.1	11312.5	11260.7
15°	9004.0	9004.0	9091.4	9266.3	9586.8	9952.7	10438.3	10613.1	10833.3	11134.4	11043.8
17.5°	8615.5	8618.7	8673.8	8858.3	9143.2	9547.9	10124.2	10360.6	10603.4	11001.7	10865.7
20°	8411.5	8395.3	8405.0	8518.4	8761.2	9152.9	9810.2	10085.4	10412.4	10911.0	10703.8
22.5°	8401.8	8372.7	8330.6	8340.3	8482.7	8806.5	9473.5	9807.0	10218.1	10836.5	10538.7
25°	8566.9	8534.5	8460.1	8375.9	8362.9	8557.2	9156.2	9535.0	10017.4	10804.2	10380.0
27.5°	8845.4	8822.7	8725.6	8599.3	8466.6	8460.1	8916.6	9311.6	9871.7	10836.5	10266.7
30°	9214.5	9175.6	9114.1	8952.2	8751.5	8544.3	8822.7	9191.8	9774.6	10940.1	10218.1
32.5°	9632.1	9609.5	9551.2	9389.3	9175.6	8845.4	8897.2	9217.7	9774.6	11121.5	10227.9
35°	10075.7	10072.4	10072.4	9965.6	9729.3	9318.1	9191.8	9437.9	9923.5	11412.8	10331.5
37.5°	10506.3	10503.1	10606.7	10645.5	10376.8	9933.2	9693.6	9878.2	10250.5	11843.5	10587.2
40°	10856.0	10868.9	11095.6	11289.8	11140.9	10729.7	10393.0	10486.9	10781.5	12455.4	11034.0
42.5°	11208.9	11244.5	11584.4	11927.6	11985.9	11629.8	11289.8	11344.9	11542.4	13264.8	11701.0
45°	11594.2	11610.3	12086.3	12565.5	12847.1	12636.7	12358.3	12432.7	12478.0	14265.3	12695.0
47.5°	11966.5	12008.6	12623.7	13281.0	13815.2	13795.8	13640.4	13617.7	13627.4	15482.6	13870.3
50°	12474.8	12536.3	13258.3	14051.6	14835.1	15194.5	15239.8	15068.2	14997.0	16836.0	15333.7
52.5°	13439.6	13439.6	14087.2	14867.5	15919.7	16810.1	17114.4	16832.7	16606.1	18267.0	16887.8
55°	14647.3	14699.1	15213.9	15845.2	17179.2	18509.9	19539.4	19228.6	18587.6	19824.4	18516.3
57.5°	15184.8	15249.5	16065.4	17046.4	18827.2	20442.8	21870.6	21760.5	20824.8	21443.2	20206.4
60°	14213.4	14349.4	15472.9	17117.7	20319.7	23560.7	24567.6	24247.0	22909.9	23143.0	22038.9
62.5°	11856.4	12005.3	13251.9	15547.4	20112.5	26931.1	28818.7	27636.9	25513.0	25289.6	24480.2
65°	7074.3	7067.9	8566.9	11610.3	17558.0	27866.8	35546.6	33341.7	29534.2	28235.9	26992.6
67.5°	4497.1	4487.4	4801.5	6151.6	11684.8	25574.5	39872.1	40445.2	34996.2	30401.9	27199.8
70°	3548.5	3545.3	3771.9	4387.1	5779.3	18199.0	38667.7	42633.9	38295.4	29576.3	23949.2
72.5°	2586.9	2593.4	2943.1	3674.8	4458.3	9136.8	31311.7	36479.0	35222.8	26108.7	19442.3
75°	1858.4	1868.1	2078.6	2813.6	4111.9	4995.8	20821.6	27429.7	26798.3	20928.4	13374.9
77.5°	1181.8	1194.7	1379.3	1971.8	3321.9	4034.2	12623.7	19364.6	17829.9	11791.7	4756.2
80°	722.0	764.1	919.5	1469.9	2654.9	3027.2	6310.3	10202.0	8929.5	3234.5	1599.4
82.5°	372.3	404.7	553.6	909.8	1829.3	2658.1	3571.2	4286.7	2765.0	1353.4	851.5
85°	116.6	136.0	194.3	369.1	870.9	1648.0	2363.5	2130.4	1269.2	637.8	395.0
87.5°	29.1	29.1	32.4	32.4	35.6	74.5	456.5	482.4	336.7	200.7	161.9
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°	12244.9	12244.9	12244.9	12244.9	12244.9	12244.9	12244.9	12244.9	12244.9	12244.9	12244.9
2.5°	12160.8	12083.1	12050.7	12047.4	11966.5	11849.9	11772.2	11717.2	11684.8	11678.3	11678.3
5°	11943.8	11843.5	11710.7	11610.3	11393.4	11173.3	10988.7	10885.1	10765.3	10749.1	10745.9
7.5°	11655.7	11510.0	11257.4	10975.8	10597.0	10231.1	9920.3	9709.8	9499.4	9460.5	9447.6
10°	11344.9	11147.4	10716.7	10221.4	9654.8	9107.6	8631.7	8259.3	8013.3	7838.4	7806.1
12.5°	11037.3	10775.0	10143.7	9405.5	8628.4	7880.5	7165.0	6556.3	6116.0	5860.2	5814.9
15°	10749.1	10383.3	9518.8	8576.6	7566.5	6543.4	5530.0	4740.0	4121.6	3901.4	3849.6
17.5°	10486.9	10030.4	8913.4	7718.6	6459.2	5122.0	3969.4	3266.8	2904.2	2794.1	2768.2
20°	10224.6	9667.7	8298.2	6815.3	5283.9	3784.9	2901.0	2570.7	2434.7	2392.7	2379.7
22.5°	9942.9	9269.5	7628.0	5925.0	4095.7	2833.0	2373.2	2227.5	2185.4	2188.7	2185.4
25°	9661.3	8864.8	6925.4	4956.9	3049.9	2298.8	2072.1	2017.1	2026.8	2055.9	2062.4
27.5°	9428.1	8505.4	6235.8	3894.9	2382.9	1978.2	1871.4	1868.1	1903.8	1942.6	1949.1
30°	9259.8	8184.9	5555.9	2994.9	1962.0	1758.1	1716.0	1735.4	1777.5	1806.6	1816.3
32.5°	9140.0	7909.7	4830.6	2353.8	1719.2	1602.7	1583.2	1602.7	1628.6	1657.7	1664.2
35°	9097.9	7708.9	4118.3	1919.9	1554.1	1489.3	1476.4	1486.1	1499.0	1515.2	1521.7
37.5°	9191.8	7608.6	3373.7	1670.6	1453.7	1414.9	1395.4	1389.0	1392.2	1398.7	1401.9
40°	9470.2	7653.9	2765.0	1525.0	1389.0	1353.4	1321.0	1308.0	1304.8	1311.3	1308.0
42.5°	9949.4	7844.9	2324.7	1440.8	1337.2	1285.4	1249.7	1236.8	1236.8	1253.0	1253.0
45°	10652.0	8220.5	2007.4	1379.3	1291.8	1227.1	1188.2	1181.8	1194.7	1220.6	1223.8
47.5°	11681.6	8770.9	1816.3	1333.9	1249.7	1175.3	1136.4	1133.2	1159.1	1201.2	1204.4
50°	12902.2	9564.1	1712.7	1301.6	1220.6	1133.2	1094.3	1097.6	1126.7	1172.0	1181.8
52.5°	14372.1	10645.5	1719.2	1288.6	1204.4	1107.3	1068.4	1062.0	1091.1	1136.4	1146.1
55°	15890.6	11960.0	1845.5	1291.8	1181.8	1094.3	1042.5	1019.9	1045.8	1078.2	1081.4
57.5°	17561.2	13442.9	2159.5	1285.4	1152.6	1081.4	1019.9	968.1	984.3	1003.7	1013.4
60°	19445.6	15188.0	2836.2	1298.3	1139.7	1052.2	974.5	906.6	903.3	916.3	919.5
62.5°	21964.5	17561.2	3597.1	1321.0	1168.8	1016.6	906.6	835.3	822.4	828.8	832.1
65°	23890.9	18694.4	3357.5	1301.6	1230.3	990.7	841.8	767.3	741.4	735.0	735.0
67.5°	23107.4	17195.4	2337.6	1249.7	1259.5	994.0	790.0	696.1	663.7	647.5	644.3
70°	19662.5	13967.4	1625.3	1197.9	1227.1	987.5	735.0	637.8	595.7	573.1	569.8
72.5°	15534.4	10664.9	1314.5	1094.3	1113.8	890.4	654.0	573.1	537.5	508.3	508.3
75°	9998.0	6507.8	1097.6	974.5	909.8	692.9	566.6	511.6	475.9	446.8	446.8
77.5°	3364.0	2415.3	851.5	825.6	679.9	521.3	475.9	440.3	411.2	385.3	382.0
80°	1366.3	1146.1	624.9	624.9	475.9	398.2	372.3	356.1	336.7	304.3	304.3
82.5°	793.2	696.1	437.1	378.8	317.3	275.2	259.0	242.8	242.8	220.2	220.2
85°	382.0	385.3	262.3	233.1	181.3	158.6	152.2	142.5	139.2	126.3	123.0
87.5°	207.2	210.4	132.7	103.6	71.2	61.5	51.8	48.6	45.3	42.1	42.1
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)