

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: P640126

Luminaire Tested: GWS-SA5D-730-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640126
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-SA5D-730-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (80) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26803.7 lumens
Efficiency: N/A
Efficacy: 131.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

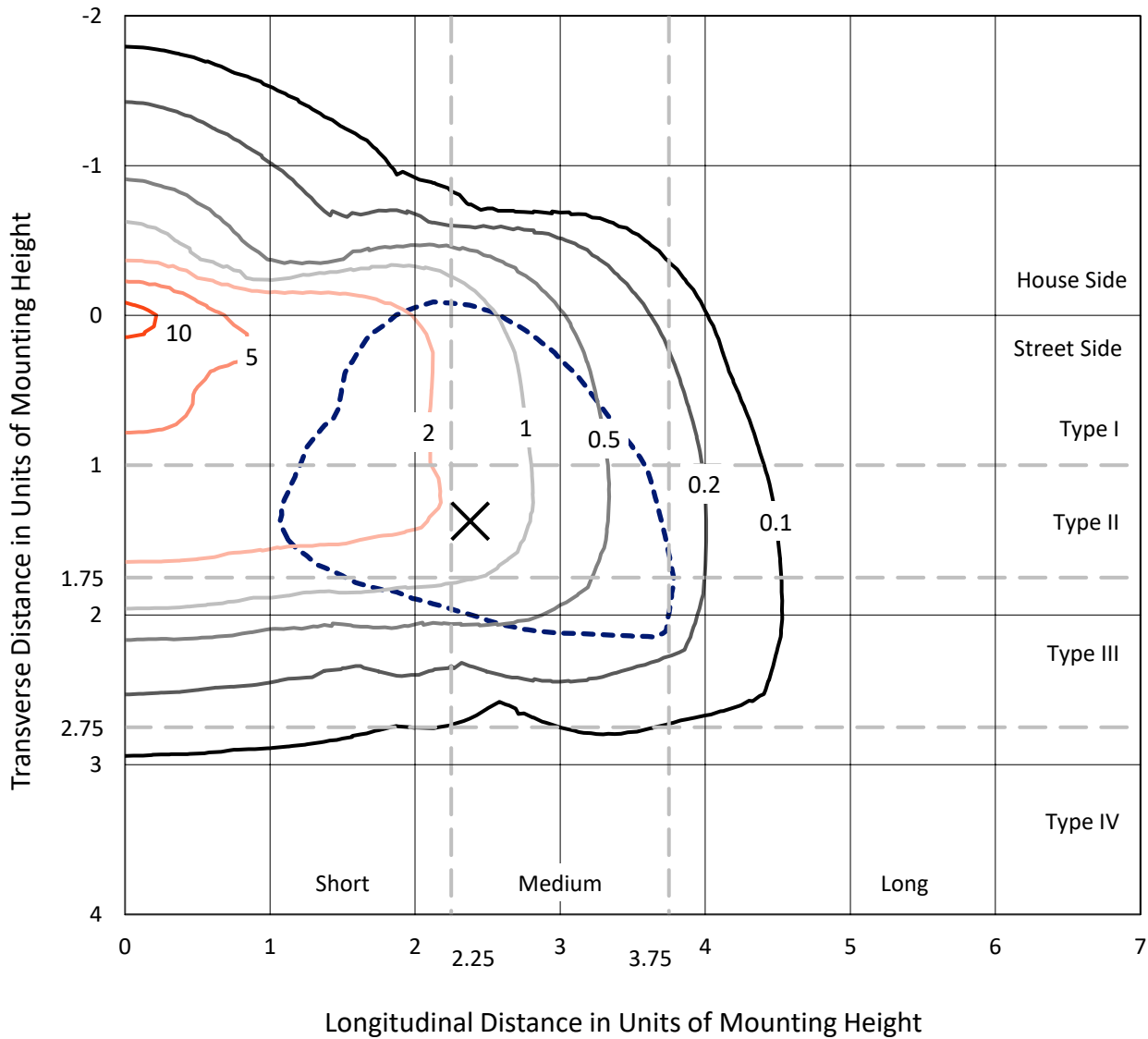
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

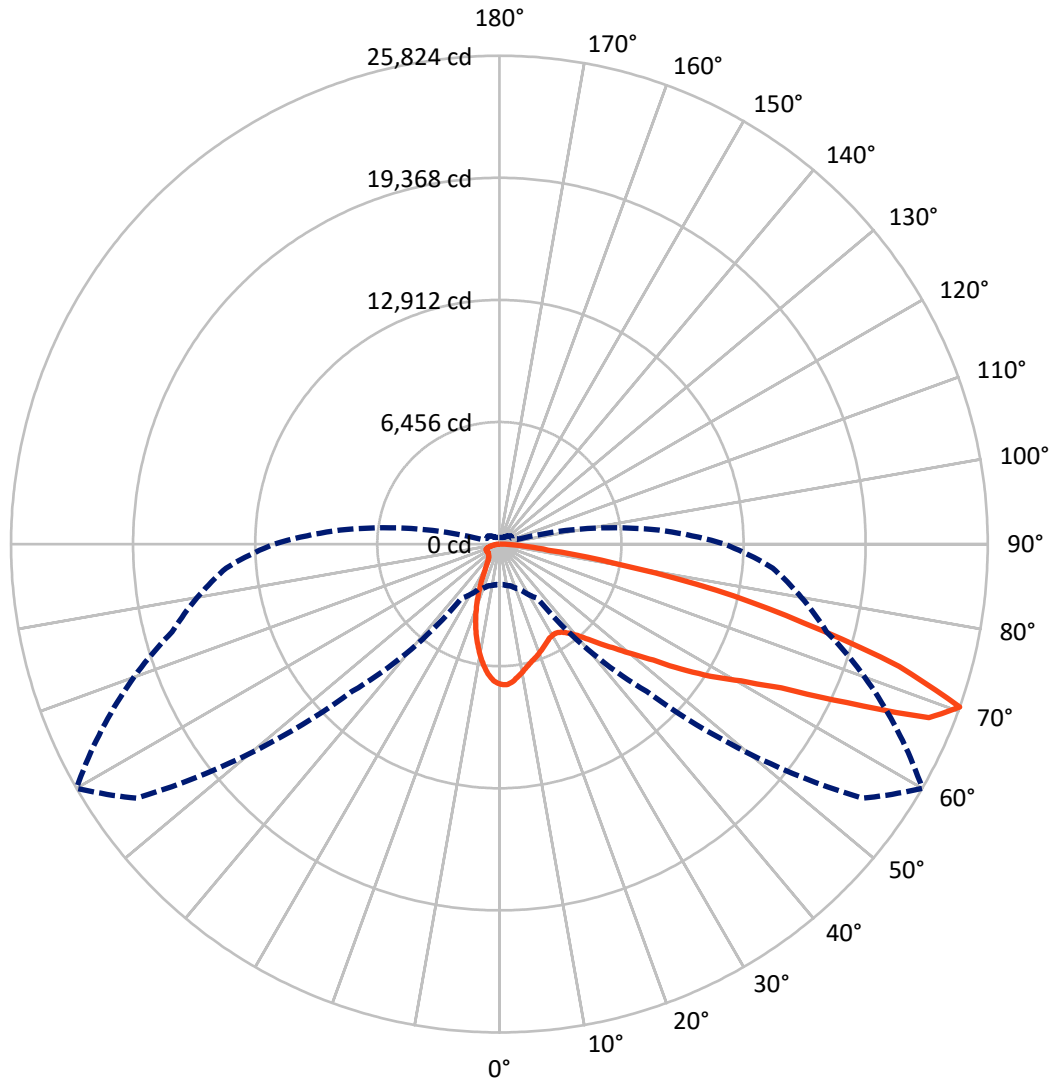
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.9 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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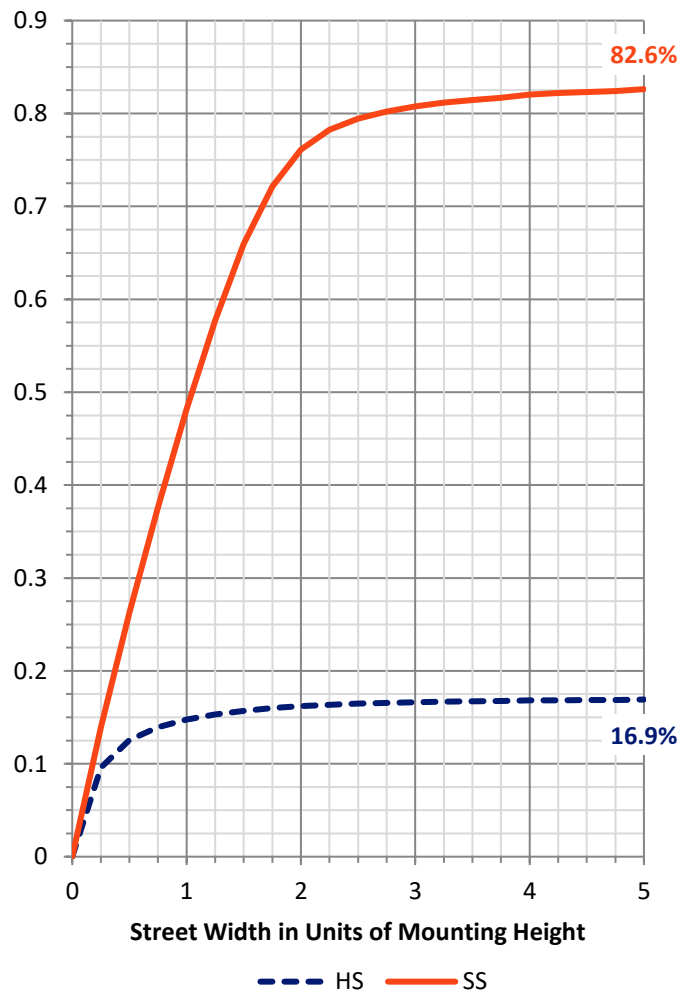
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4584.1	0.0	4584.1
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	22219.6	0.0	22219.6
	% Fixture	82.9	0.0	82.9
Total	Lumens	26803.7	0.0	26803.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	639.3	2.4
10°-20°	1432.3	5.3
20°-30°	1834.3	6.8
30°-40°	2410.6	9.0
40°-50°	3497.5	13.0
50°-60°	5456.9	20.4
60°-70°	7144.1	26.7
70°-80°	3950.4	14.7
80°-90°	438.4	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°	26803.7	100.0
0°-180°	26803.7	100.0

Coefficient of Utilization



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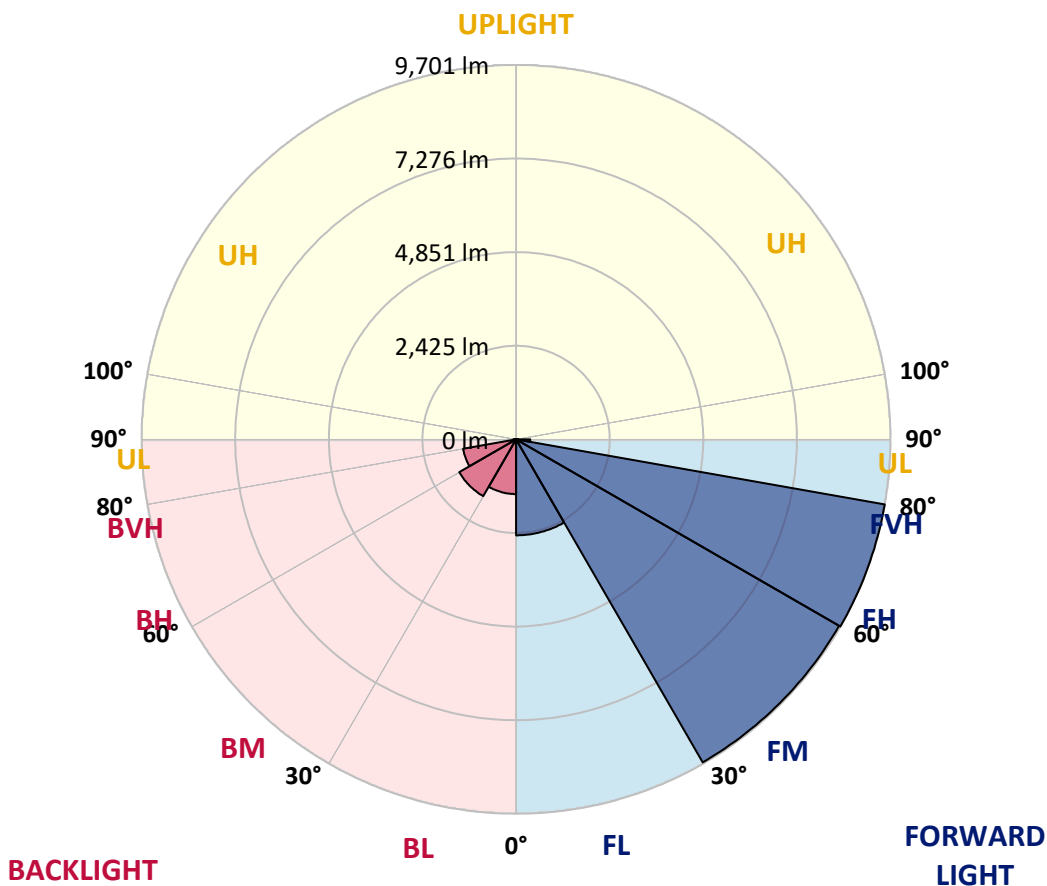
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2487.6	9.3			
FM (30°-60°)	9665.3	36.1			
FH (60°-80°)	9701.5	36.2			G4/12000
FVH (80°-90°)	365.3	1.4			G3/500
BL (0°-30°)	1418.3	5.3	B3/2500		
BM (30°-60°)	1699.6	6.3	B2/2500		
BH (60°-80°)	1393.1	5.2	B3/2500		G3/2500
BVH (80°-90°)	73.1	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	7416.9	7416.9	7416.9	7416.9	7416.9	7416.9	7416.9	7416.9	7416.9	7416.9	7416.9
2.5°	7313.0	7320.8	7342.4	7373.8	7405.2	7420.9	7460.1	7448.3	7440.5	7424.8	7405.2
5°	6989.4	7005.1	7024.7	7085.5	7154.1	7209.1	7297.3	7307.1	7311.0	7318.9	7287.5
7.5°	6577.6	6581.5	6628.6	6709.0	6799.2	6893.3	7040.4	7081.6	7116.9	7156.1	7130.6
10°	6122.6	6132.4	6167.7	6283.4	6438.3	6577.6	6775.6	6844.3	6918.8	7005.1	6969.8
12.5°	5750.0	5751.9	5808.8	5932.4	6101.0	6289.3	6536.4	6618.8	6716.8	6852.1	6820.8
15°	5453.9	5453.9	5506.8	5612.7	5806.9	6028.5	6322.6	6428.5	6561.9	6744.3	6689.4
17.5°	5218.5	5220.5	5253.8	5365.6	5538.2	5783.3	6132.4	6275.6	6422.6	6663.9	6581.5
20°	5095.0	5085.2	5091.1	5159.7	5306.8	5544.1	5942.2	6108.9	6306.9	6609.0	6483.4
22.5°	5089.1	5071.4	5045.9	5051.8	5138.1	5334.2	5738.2	5940.2	6189.3	6563.8	6383.4
25°	5189.1	5169.5	5124.4	5073.4	5065.6	5183.2	5546.0	5775.5	6067.7	6544.2	6287.3
27.5°	5357.8	5344.0	5285.2	5208.7	5128.3	5124.4	5400.9	5640.2	5979.4	6563.8	6218.7
30°	5581.3	5557.8	5520.5	5422.5	5300.9	5175.4	5344.0	5567.6	5920.6	6626.6	6189.3
32.5°	5834.3	5820.6	5785.3	5687.2	5557.8	5357.8	5389.1	5583.3	5920.6	6736.4	6195.2
35°	6103.0	6101.0	6101.0	6036.3	5893.1	5644.1	5567.6	5716.6	6010.8	6912.9	6257.9
37.5°	6363.8	6361.9	6424.6	6448.1	6285.4	6016.7	5871.6	5983.4	6208.9	7173.8	6412.8
40°	6575.6	6583.5	6720.7	6838.4	6748.2	6499.1	6295.2	6352.0	6530.5	7544.4	6683.5
42.5°	6789.4	6810.9	7016.9	7224.7	7260.0	7044.3	6838.4	6871.7	6991.4	8034.7	7087.5
45°	7022.7	7032.6	7320.8	7611.1	7781.7	7654.2	7485.6	7530.7	7558.1	8640.7	7689.5
47.5°	7248.3	7273.8	7646.4	8044.5	8368.1	8356.3	8262.2	8248.4	8254.3	9378.0	8401.4
50°	7556.2	7593.4	8030.8	8511.2	8985.8	9203.5	9231.0	9127.0	9083.9	10197.8	9287.8
52.5°	8140.6	8140.6	8532.8	9005.4	9642.8	10182.1	10366.4	10195.8	10058.6	11064.6	10229.2
55°	8872.1	8903.5	9215.3	9597.7	10405.7	11211.7	11835.3	11647.1	11258.8	12007.9	11215.6
57.5°	9197.6	9236.8	9731.0	10325.3	11403.9	12382.5	13247.3	13180.6	12613.9	12988.5	12239.3
60°	8609.3	8691.7	9372.2	10368.4	12307.9	14271.0	14880.9	14686.8	13876.8	14018.0	13349.3
62.5°	7181.6	7271.8	8026.8	9417.3	12182.4	16312.5	17455.9	16740.1	15453.6	15318.3	14828.0
65°	4285.0	4281.1	5189.1	7032.6	10635.1	16879.3	21531.1	20195.5	17889.3	17102.9	16349.8
67.5°	2724.0	2718.1	2908.3	3726.1	7077.7	15490.8	24151.1	24498.2	21197.7	18414.9	16475.3
70°	2149.4	2147.4	2284.7	2657.3	3500.6	11023.4	23421.6	25823.9	23196.0	17914.8	14506.4
72.5°	1566.9	1570.9	1782.7	2225.9	2700.5	5534.3	18965.9	22095.9	21335.0	15814.4	11776.5
75°	1125.7	1131.6	1259.0	1704.2	2490.6	3026.0	12611.9	16614.6	16232.1	12676.6	8101.4
77.5°	715.8	723.7	835.4	1194.3	2012.1	2443.5	7646.4	11729.4	10799.9	7142.4	2880.9
80°	437.3	462.8	557.0	890.3	1608.1	1833.6	3822.2	6179.5	5408.8	1959.2	968.8
82.5°	225.5	245.1	335.4	551.1	1108.0	1610.1	2163.1	2596.5	1674.8	819.7	515.8
85°	70.6	82.4	117.7	223.6	527.5	998.2	1431.6	1290.4	768.8	386.3	239.3
87.5°	17.7	17.7	19.6	19.6	21.6	45.1	276.5	292.2	204.0	121.6	98.1
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°	7416.9	7416.9	7416.9	7416.9	7416.9	7416.9	7416.9	7416.9	7416.9	7416.9	7416.9
2.5°	7365.9	7318.9	7299.3	7297.3	7248.3	7177.7	7130.6	7097.3	7077.7	7073.7	7073.7
5°	7234.5	7173.8	7093.3	7032.6	6901.2	6767.8	6656.0	6593.3	6520.7	6510.9	6508.9
7.5°	7060.0	6971.8	6818.8	6648.2	6418.7	6197.1	6008.9	5881.4	5753.9	5730.4	5722.5
10°	6871.7	6752.1	6491.3	6191.2	5848.0	5516.6	5228.3	5002.8	4853.8	4747.9	4728.2
12.5°	6685.4	6526.6	6144.2	5697.0	5226.4	4773.3	4339.9	3971.3	3704.5	3549.6	3522.2
15°	6510.9	6289.3	5765.7	5195.0	4583.1	3963.4	3349.6	2871.1	2496.5	2363.1	2331.8
17.5°	6352.0	6075.5	5398.9	4675.3	3912.4	3102.5	2404.3	1978.8	1759.1	1692.4	1676.8
20°	6193.2	5855.9	5026.3	4128.1	3200.5	2292.5	1757.2	1557.1	1474.8	1449.3	1441.4
22.5°	6022.6	5614.7	4620.4	3588.8	2480.8	1716.0	1437.5	1349.2	1323.8	1325.7	1323.8
25°	5852.0	5369.5	4194.8	3002.5	1847.4	1392.4	1255.1	1221.8	1227.7	1245.3	1249.2
27.5°	5710.8	5151.8	3777.1	2359.2	1443.4	1198.2	1133.5	1131.6	1153.1	1176.7	1180.6
30°	5608.8	4957.7	3365.3	1814.0	1188.4	1064.9	1039.4	1051.2	1076.7	1094.3	1100.2
32.5°	5536.2	4791.0	2926.0	1425.7	1041.4	970.8	959.0	970.8	986.4	1004.1	1008.0
35°	5510.7	4669.4	2494.5	1162.9	941.3	902.1	894.3	900.2	908.0	917.8	921.7
37.5°	5567.6	4608.6	2043.5	1011.9	880.5	857.0	845.2	841.3	843.3	847.2	849.2
40°	5736.3	4636.1	1674.8	923.7	841.3	819.7	800.1	792.3	790.3	794.3	792.3
42.5°	6026.5	4751.8	1408.1	872.7	809.9	778.6	757.0	749.1	749.1	759.0	759.0
45°	6452.1	4979.3	1215.9	835.4	782.5	743.3	719.7	715.8	723.7	739.3	741.3
47.5°	7075.7	5312.7	1100.2	808.0	757.0	711.9	688.4	686.4	702.1	727.6	729.5
50°	7815.0	5793.1	1037.4	788.4	739.3	686.4	662.9	664.8	682.5	709.9	715.8
52.5°	8705.4	6448.1	1041.4	780.5	729.5	670.7	647.2	643.2	660.9	688.4	694.2
55°	9625.1	7244.4	1117.8	782.5	715.8	662.9	631.5	617.8	633.4	653.1	655.0
57.5°	10637.1	8142.5	1308.1	778.6	698.2	655.0	617.8	586.4	596.2	607.9	613.8
60°	11778.4	9199.6	1717.9	786.4	690.3	637.4	590.3	549.1	547.2	555.0	557.0
62.5°	13304.2	10637.1	2178.8	800.1	708.0	615.8	549.1	506.0	498.1	502.0	504.0
65°	14471.1	11323.5	2033.7	788.4	745.2	600.1	509.9	464.8	449.1	445.2	445.2
67.5°	13996.5	10415.5	1415.9	757.0	762.9	602.1	478.5	421.6	402.0	392.2	390.3
70°	11909.8	8460.2	984.5	725.6	743.3	598.1	445.2	386.3	360.8	347.1	345.2
72.5°	9409.4	6459.9	796.2	662.9	674.6	539.3	396.1	347.1	325.5	307.9	307.9
75°	6055.9	3941.8	664.8	590.3	551.1	419.7	343.2	309.9	288.3	270.6	270.6
77.5°	2037.6	1463.0	515.8	500.1	411.8	315.7	288.3	266.7	249.1	233.4	231.4
80°	827.6	694.2	378.5	378.5	288.3	241.2	225.5	215.7	204.0	184.3	184.3
82.5°	480.5	421.6	264.8	229.5	192.2	166.7	156.9	147.1	147.1	133.4	133.4
85°	231.4	233.4	158.9	141.2	109.8	96.1	92.2	86.3	84.3	76.5	74.5
87.5°	125.5	127.5	80.4	62.8	43.1	37.3	31.4	29.4	27.5	25.5	25.5
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)