

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: P635163

Luminaire Tested: GWS-SA3D-730-U-AFL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635163
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-47)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-730-U-AFL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14538 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

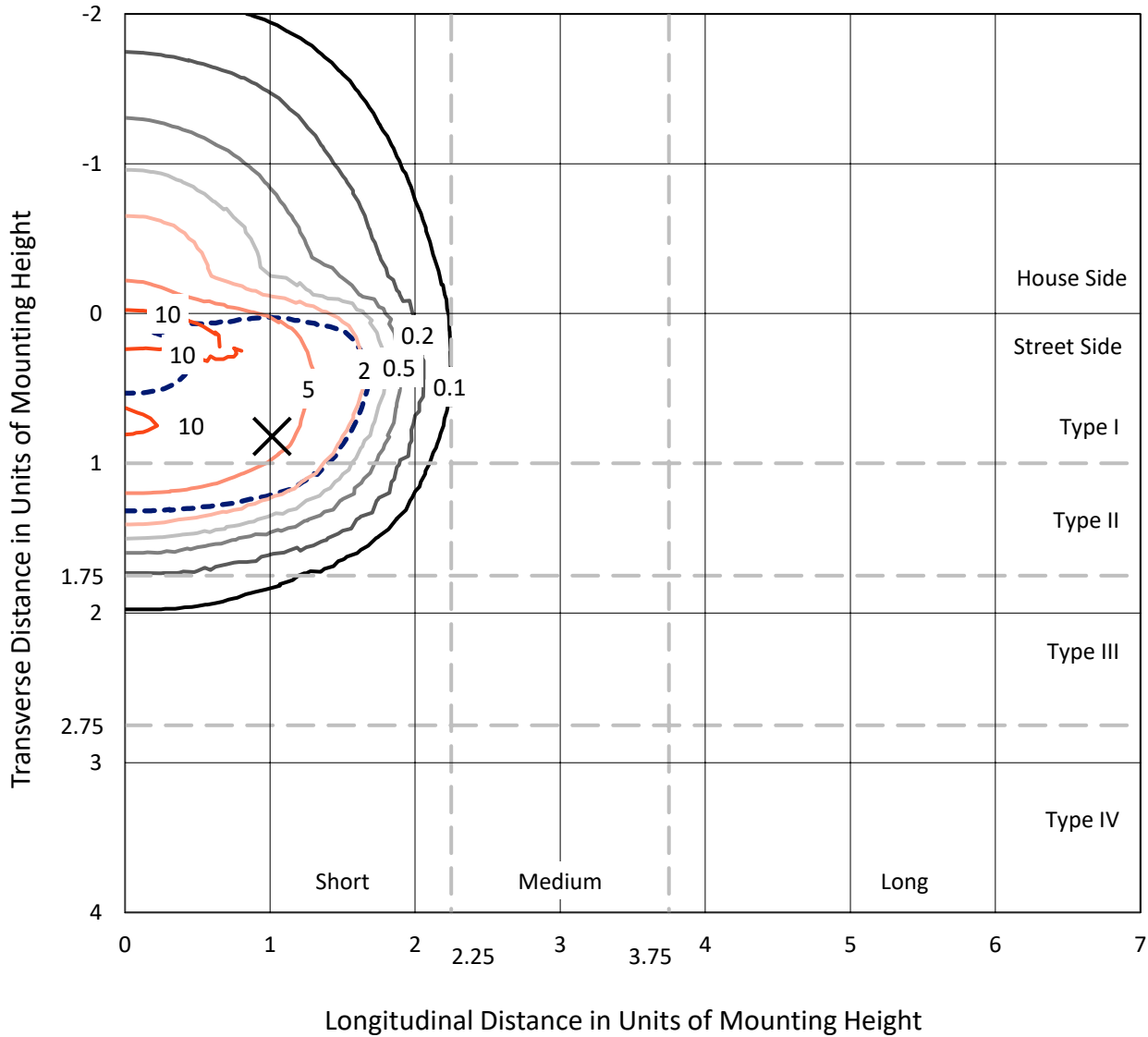
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635163
 CATALOG NUMBER: GWS-SA3D-730-U-AFL-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

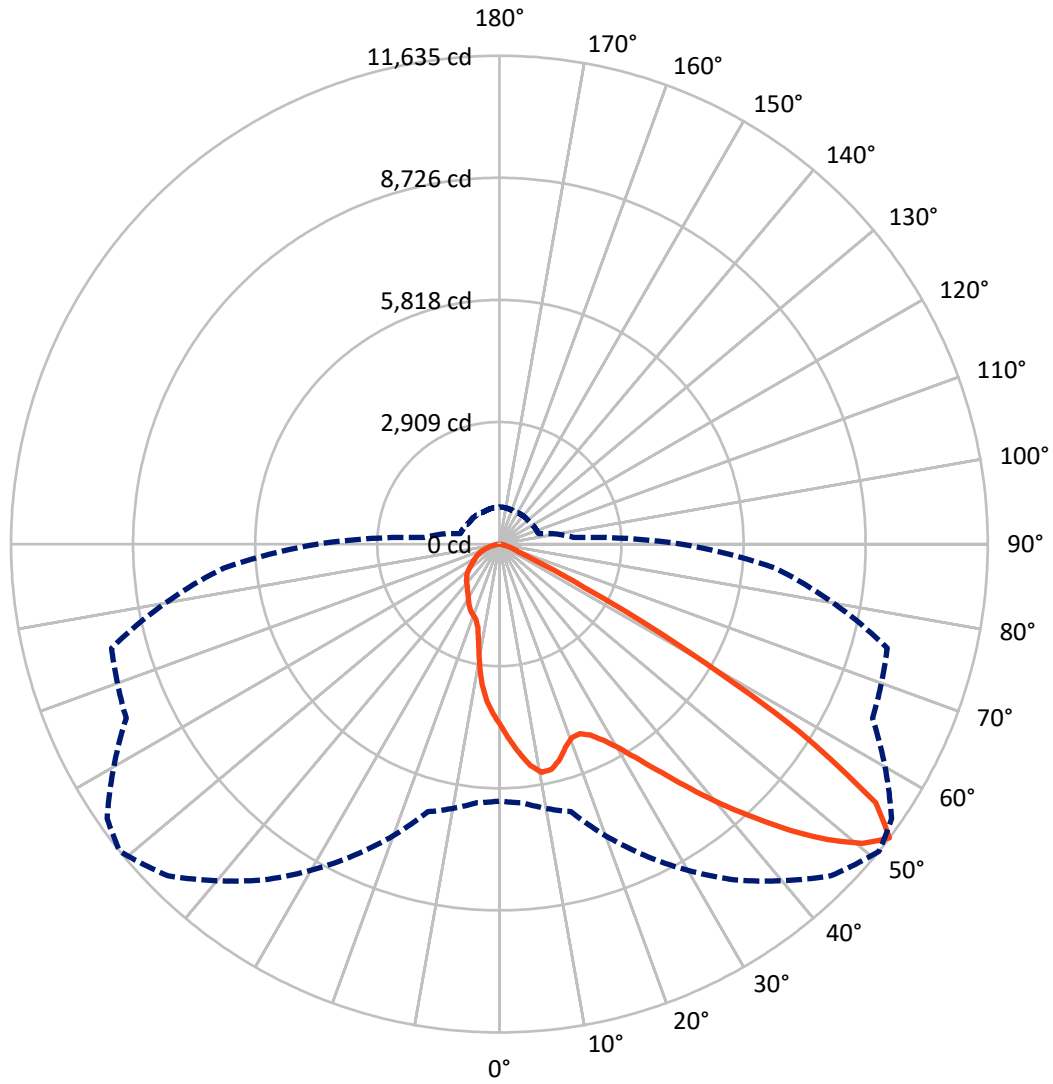
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 13.2 fc
 Type II - Short - N/A

REPORT NUMBER: P635163
CATALOG NUMBER: GWS-SA3D-730-U-AFL-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 51-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

REPORT NUMBER: P635163

CATALOG NUMBER: GWS-SA3D-730-U-AFL-W-GRSWH

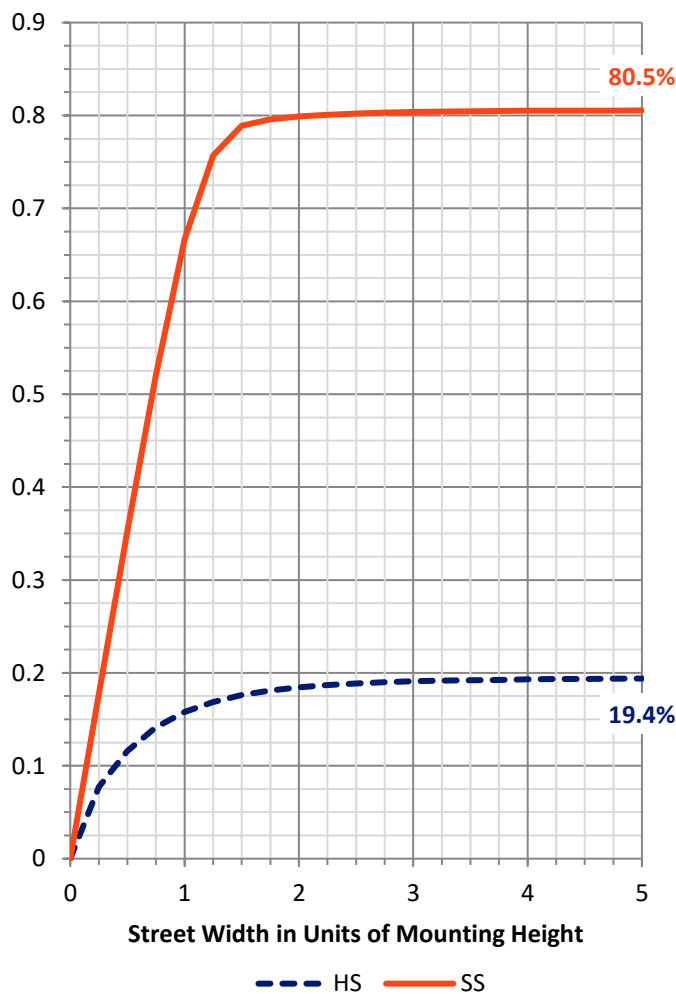
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2832.6	0.0	2832.6
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	11705.4	0.0	11705.4
	% Fixture	80.5	0.0	80.5
Total	Lumens	14538.0	0.0	14538.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	403.9	2.8
10°-20°	1049.6	7.2
20°-30°	1706.5	11.7
30°-40°	2704.4	18.6
40°-50°	4078.9	28.1
50°-60°	3528.5	24.3
60°-70°	799.9	5.5
70°-80°	235.9	1.6
80°-90°	30.4	0.2
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°	14538.0	100.0
0°-180°	14538.0	100.0

Coefficient of Utilization



REPORT NUMBER: P635163

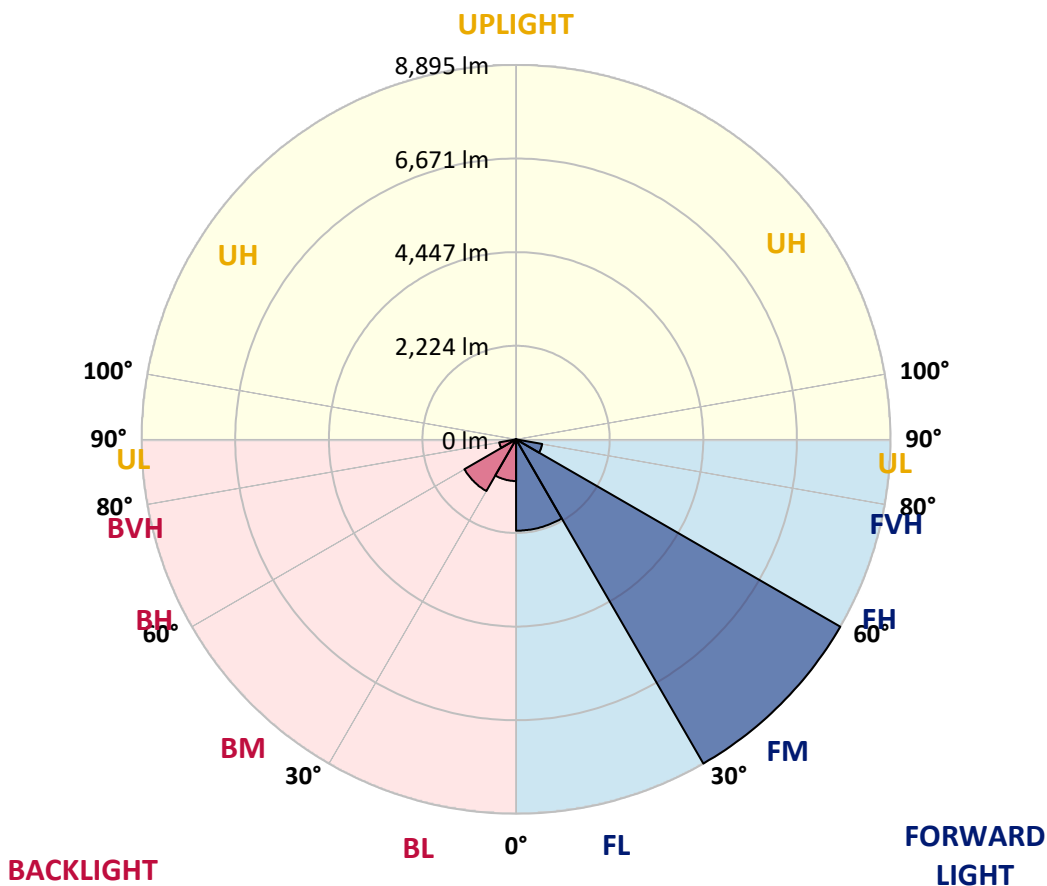
CATALOG NUMBER: GWS-SA3D-730-U-AFL-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2169.8	14.9			
FM (30°-60°)	8894.6	61.2			
FH (60°-80°)	629.5	4.3			G0/660
FVH (80°-90°)	11.4	0.1			G1/100
BL (0°-30°)	990.2	6.8	B2/1000		
BM (30°-60°)	1417.2	9.7	B2/2500		
BH (60°-80°)	406.3	2.8	B1/500		G1/500
BVH (80°-90°)	18.9	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





REPORT NUMBER: P635163

CATALOG NUMBER: GWS-SA3D-730-U-AFL-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	51°	55°	65°	75°	85°
0°	4328.7	4328.7	4328.7	4328.7	4328.7	4328.7	4328.7	4328.7	4328.7	4328.7	4328.7
2.5°	4823.8	4851.4	4808.9	4792.8	4766.4	4720.4	4667.6	4652.7	4538.9	4464.2	4380.4
5°	5308.6	5323.6	5289.1	5254.6	5189.1	5107.6	5005.3	4983.5	4776.7	4605.5	4427.5
7.5°	5416.6	5410.9	5440.7	5460.3	5452.2	5420.1	5329.3	5286.8	5039.8	4768.7	4505.6
10°	4989.2	4957.1	5067.4	5198.3	5355.7	5537.2	5526.9	5523.4	5308.6	4988.1	4605.5
12.5°	4422.9	4406.8	4496.4	4660.7	4958.2	5360.3	5510.8	5628.0	5551.0	5197.2	4717.0
15°	4098.9	4093.2	4154.1	4272.4	4509.0	5016.8	5338.5	5570.5	5758.9	5421.2	4835.3
17.5°	4040.3	4043.8	4064.5	4132.2	4302.3	4720.4	5092.6	5416.6	5920.9	5667.0	4983.5
20°	4211.5	4234.5	4198.9	4209.2	4301.1	4613.6	4924.9	5261.5	6024.3	5914.0	5143.2
22.5°	4591.8	4583.7	4505.6	4459.7	4460.8	4679.1	4906.5	5189.1	6092.1	6154.1	5287.9
25°	5022.6	5013.4	4920.3	4818.1	4753.7	4857.1	5038.6	5266.1	6153.0	6373.6	5404.0
27.5°	5531.5	5502.8	5399.4	5268.4	5126.0	5170.8	5293.7	5474.0	6247.2	6589.5	5480.9
30°	6024.3	6057.6	5909.4	5754.4	5603.9	5576.3	5647.5	5810.6	6439.0	6842.3	5572.8
32.5°	6678.0	6666.5	6502.2	6300.0	6085.2	6064.5	6120.8	6270.2	6783.7	7191.5	5713.0
35°	7469.5	7471.8	7238.6	6965.2	6659.6	6604.5	6698.7	6843.4	7297.2	7664.8	5934.7
37.5°	8292.1	8288.6	8085.3	7775.1	7358.1	7280.0	7387.9	7495.9	7939.4	8309.3	6279.4
40°	8868.8	8891.7	8796.4	8633.3	8238.1	8047.4	8142.7	8217.4	8637.8	9067.5	6733.1
42.5°	9196.2	9230.6	9251.3	9349.0	9141.0	8937.7	8903.2	8942.3	9261.6	9771.7	7159.3
45°	9266.2	9312.2	9462.7	9824.6	9905.0	9847.5	9735.0	9640.8	9726.9	10271.4	7438.5
47.5°	8957.2	9037.6	9359.3	9992.3	10462.1	10642.5	10517.3	10373.7	9995.7	10400.1	7409.8
50°	7732.6	7826.8	8551.7	9649.9	10541.4	11198.5	11210.0	10997.5	9963.6	10029.0	7049.1
52.5°	6122.0	6186.3	6601.0	8180.6	9763.7	11175.6	11635.1	11407.6	9808.5	9564.9	6597.6
55°	3658.9	3762.3	4149.5	5397.1	7606.2	9905.0	10883.8	10994.0	9732.7	9175.5	6289.7
57.5°	1235.0	1285.5	1655.4	2383.8	4482.6	7252.4	8409.2	8857.3	8835.4	8580.4	5688.9
60°	588.2	599.7	674.3	904.1	1794.4	3789.9	4977.8	5494.7	5965.7	6012.8	3539.5
62.5°	448.0	454.9	492.8	542.2	721.4	1596.8	2281.5	2676.7	2859.4	2453.8	1289.0
65°	374.5	380.3	409.0	440.0	490.5	691.6	875.4	1009.8	909.9	708.8	614.6
67.5°	312.5	317.1	338.9	372.2	406.7	463.0	485.9	499.7	523.9	588.2	565.2
70°	244.7	249.3	272.3	301.0	334.3	348.1	369.9	383.7	431.9	514.7	512.4
72.5°	188.4	194.1	206.8	225.2	252.7	266.5	290.6	306.7	334.3	400.9	428.5
75°	137.9	141.3	152.8	158.5	162.0	158.5	182.7	201.0	237.8	263.1	270.0
77.5°	56.3	63.2	60.9	60.9	72.4	87.3	99.9	111.4	136.7	151.6	152.8
80°	23.0	25.3	29.9	33.3	40.2	51.7	59.7	64.3	75.8	85.0	91.9
82.5°	13.8	14.9	17.2	18.4	23.0	29.9	34.5	37.9	47.1	56.3	59.7
85°	6.9	6.9	8.0	9.2	11.5	13.8	16.1	18.4	24.1	29.9	33.3
87.5°	1.1	1.1	1.1	2.3	3.4	4.6	5.7	6.9	8.0	9.2	11.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P635163

CATALOG NUMBER: GWS-SA3D-730-U-AFL-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4328.7	4328.7	4328.7	4328.7	4328.7	4328.7	4328.7	4328.7	4328.7	4328.7	4328.7
2.5°	4331.0	4269.0	4196.6	4139.1	4072.5	4023.1	3953.0	3909.4	3868.0	3833.6	3808.3
5°	4335.6	4231.0	4080.5	3947.3	3809.4	3678.5	3544.1	3434.9	3337.3	3255.7	3248.8
7.5°	4362.0	4211.5	3976.0	3742.8	3474.0	3214.3	2954.7	2743.3	2582.5	2498.6	2481.4
10°	4406.8	4209.2	3869.2	3497.0	3038.6	2620.4	2312.5	2151.7	2058.7	2025.3	2013.9
12.5°	4453.9	4203.5	3732.5	3150.0	2513.6	2147.1	1978.2	1958.7	1975.9	1978.2	1977.1
15°	4511.3	4200.0	3560.1	2743.3	2129.9	1927.7	1939.2	1980.5	2020.7	2029.9	2029.9
17.5°	4581.4	4192.0	3325.8	2345.9	1889.8	1885.2	1946.1	2001.2	2039.1	2046.0	2046.0
20°	4654.9	4171.3	3037.4	2021.9	1792.1	1858.8	1924.2	1966.7	1993.2	2002.4	2003.5
22.5°	4705.5	4116.2	2705.4	1781.8	1731.2	1808.2	1855.3	1899.0	1899.0	1876.0	1869.1
25°	4715.8	3997.8	2345.9	1617.5	1658.9	1730.1	1778.3	1753.1	1706.0	1687.6	1686.4
27.5°	4677.9	3825.5	1990.9	1500.3	1571.6	1642.8	1634.7	1598.0	1577.3	1558.9	1565.8
30°	4632.0	3618.7	1683.0	1403.8	1470.5	1540.5	1513.0	1500.3	1485.4	1464.7	1469.3
32.5°	4601.0	3387.8	1446.3	1329.2	1402.7	1414.2	1433.7	1432.6	1418.8	1379.7	1377.4
35°	4610.1	3154.6	1287.8	1268.3	1346.4	1341.8	1378.6	1371.7	1276.3	1222.3	1218.9
37.5°	4683.7	2930.6	1194.8	1220.0	1256.8	1285.5	1317.7	1235.0	1201.6	1167.2	1169.5
40°	4823.8	2722.7	1144.2	1193.6	1202.8	1245.3	1170.6	1169.5	1154.5	1123.5	1122.4
42.5°	4982.4	2546.9	1109.7	1181.0	1168.3	1176.4	1097.1	1106.3	1105.1	1085.6	1079.9
45°	5078.9	2384.9	1082.2	1133.9	1137.3	1056.9	1032.8	1043.1	1048.9	1038.5	1037.4
47.5°	4978.9	2198.8	1053.5	1061.5	1091.4	1002.9	973.0	974.2	984.5	985.7	981.1
50°	4698.6	1990.9	1019.0	999.5	979.9	946.6	919.0	913.3	923.6	934.0	937.4
52.5°	4336.7	1792.1	961.5	931.7	885.7	885.7	873.1	854.7	868.5	882.3	886.9
55°	4071.4	1645.1	880.0	846.7	796.1	813.4	811.1	795.0	813.4	823.7	827.1
57.5°	3528.0	1322.3	774.3	764.0	721.4	742.1	746.7	726.0	716.9	719.2	722.6
60°	2094.3	853.6	698.5	697.3	659.4	683.5	697.3	676.6	649.1	652.5	657.1
62.5°	939.7	652.5	603.1	598.5	597.4	628.4	643.3	623.8	584.7	588.2	592.8
65°	591.6	564.1	523.9	523.9	542.2	568.7	580.1	564.1	519.3	513.5	518.1
67.5°	549.1	525.0	483.6	475.6	484.8	506.6	507.8	476.8	450.3	445.7	445.7
70°	492.8	474.5	434.2	418.2	414.7	413.6	410.1	402.1	384.8	380.3	382.6
72.5°	407.8	395.2	369.9	352.7	343.5	342.3	328.6	321.7	306.7	304.4	303.3
75°	270.0	273.4	273.4	271.1	263.1	259.6	244.7	237.8	220.6	213.7	212.5
77.5°	159.7	163.1	167.7	168.9	167.7	167.7	153.9	145.9	128.7	119.5	117.2
80°	97.6	99.9	102.2	105.7	101.1	97.6	85.0	77.0	68.9	63.2	62.0
82.5°	63.2	65.5	66.6	68.9	66.6	62.0	51.7	47.1	41.4	36.8	35.6
85°	35.6	36.8	39.1	39.1	35.6	32.2	26.4	23.0	19.5	17.2	17.2
87.5°	12.6	12.6	12.6	13.8	11.5	10.3	6.9	4.6	3.4	3.4	3.4
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)