

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: P641817

Luminaire Tested: GWS-SA6B-760-U-AFL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641817
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6B-760-U-AFL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16087.9 lumens
Efficiency: N/A
Efficacy: 115.8 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G0

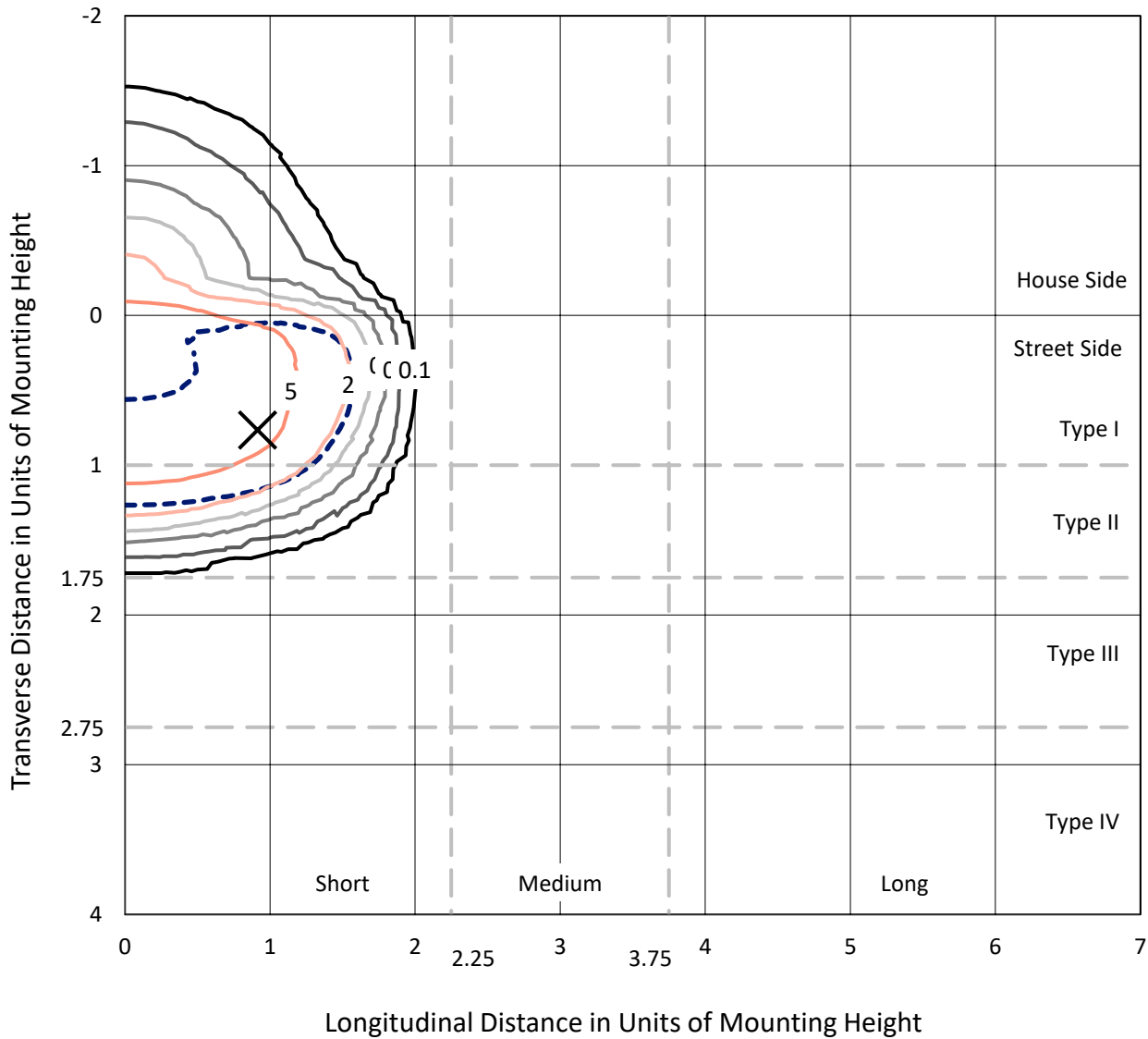
Input Watts (W): 138.9
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

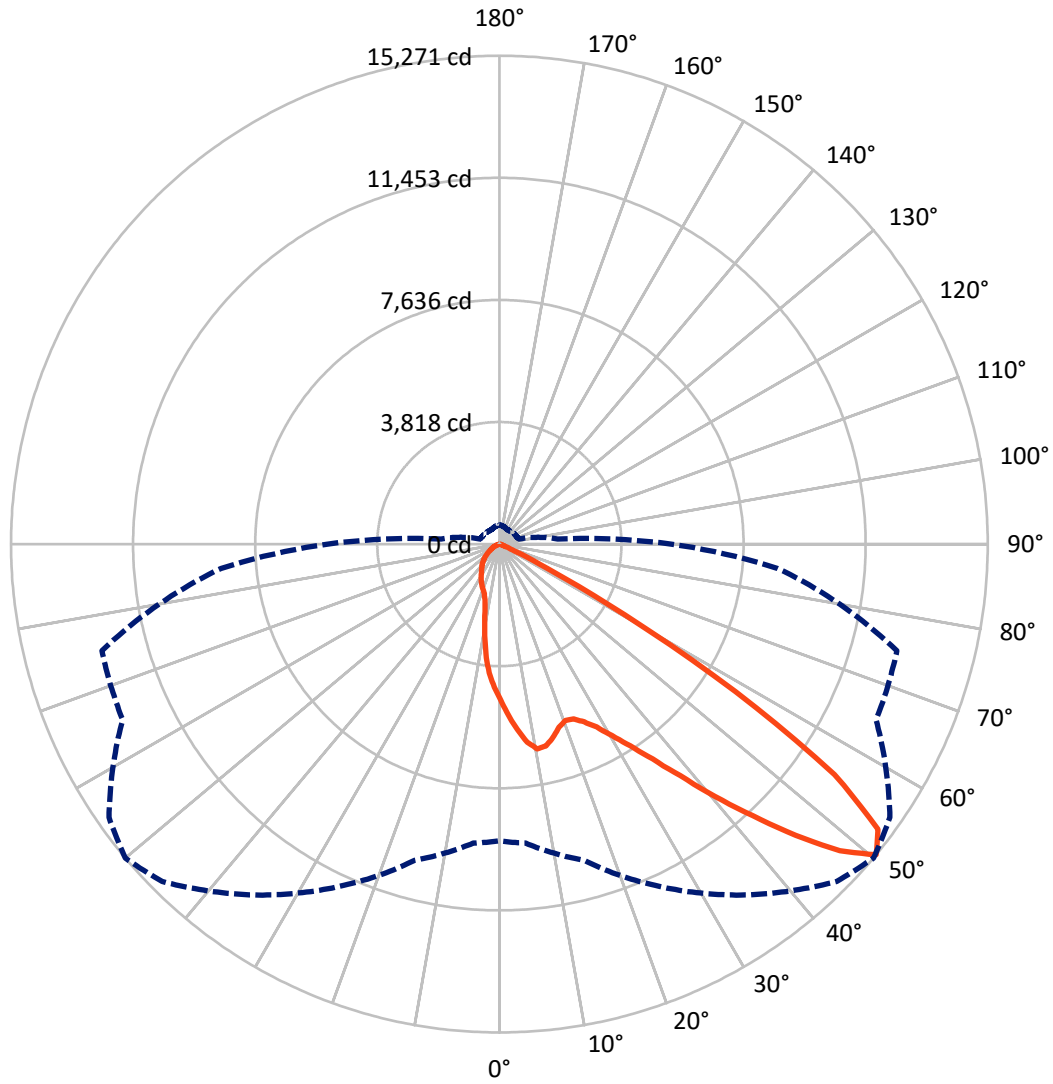
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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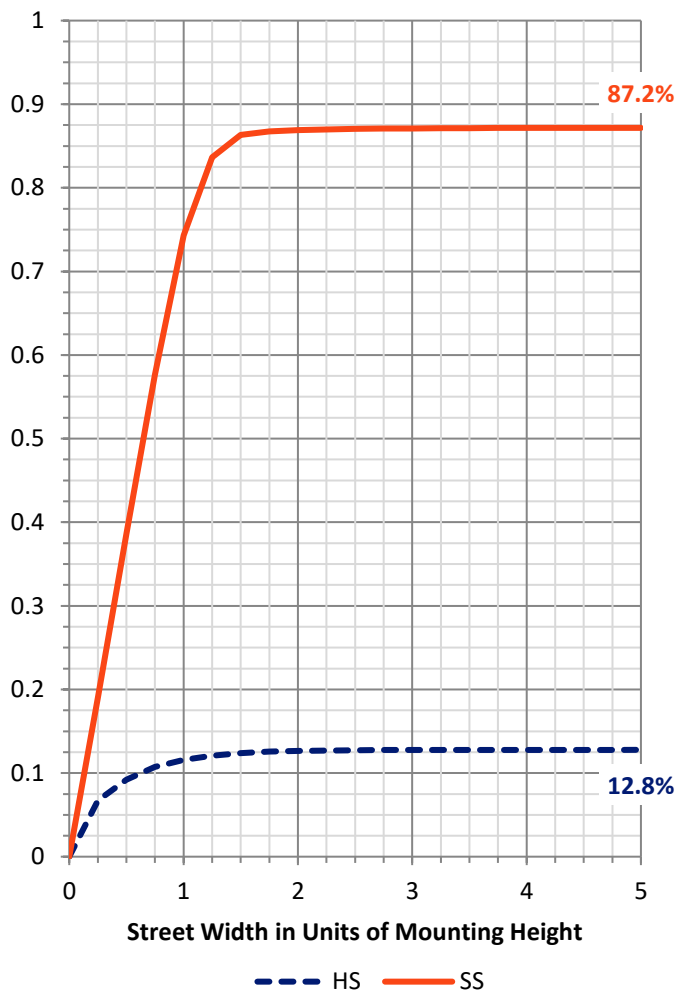
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2067.1	0.0	2067.1
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	14020.9	0.0	14020.9
	% Fixture	87.2	0.0	87.2
Total	Lumens	16087.9	0.0	16087.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.1	2.8
10°-20°	1166.5	7.3
20°-30°	1925.2	12.0
30°-40°	3177.0	19.7
40°-50°	5026.8	31.2
50°-60°	3805.9	23.7
60°-70°	476.3	3.0
70°-80°	53.9	0.3
80°-90°	4.1	0.0
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°	16087.9	100.0
0°-180°	16087.9	100.0

Coefficient of Utilization



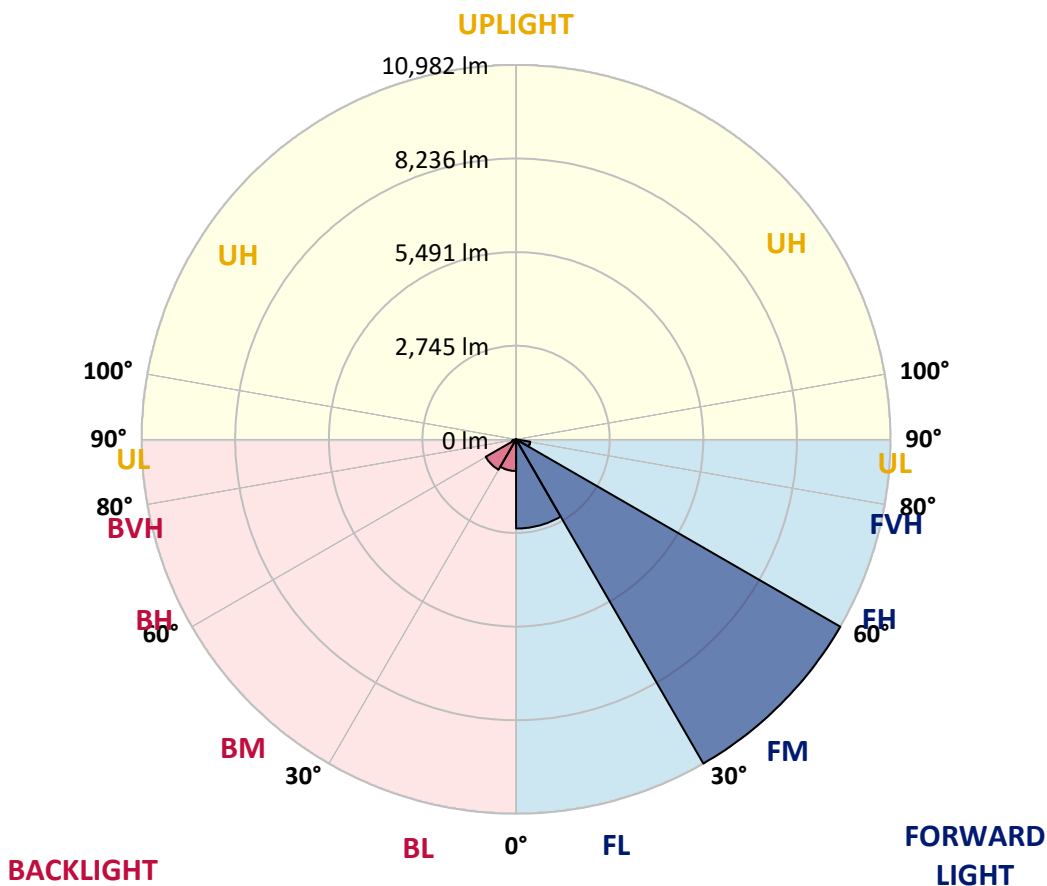
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2616.1	16.3			
FM (30°-60°)	10981.7	68.3			
FH (60°-80°)	421.1	2.6			G0/660
FVH (80°-90°)	1.9	0.0			G0/10
BL (0°-30°)	927.8	5.8	B2/1000		
BM (30°-60°)	1028.0	6.4	B2/2500		
BH (60°-80°)	109.1	0.7	B0/110		G0/110
BVH (80°-90°)	2.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	4874.0	4874.0	4874.0	4874.0	4874.0	4874.0	4874.0	4874.0	4874.0	4874.0	4874.0
2.5°	5553.9	5598.3	5586.0	5527.8	5465.1	5420.7	5351.7	5330.3	5174.1	5065.4	4950.6
5°	6224.6	6238.3	6223.0	6152.6	6042.3	5936.7	5823.4	5757.5	5495.7	5259.9	5019.5
7.5°	6385.3	6368.5	6397.6	6432.8	6417.5	6371.6	6252.1	6180.2	5867.8	5483.4	5119.0
10°	5883.1	5844.8	5953.5	6135.8	6327.2	6543.1	6512.4	6518.6	6230.7	5765.2	5249.2
12.5°	5217.0	5201.7	5282.8	5494.2	5869.3	6359.3	6477.2	6674.8	6563.0	6069.9	5397.7
15°	4924.5	4932.2	4981.2	5114.4	5383.9	5993.3	6276.6	6633.4	6860.0	6365.4	5561.5
17.5°	4968.9	4996.5	4995.0	5039.4	5203.2	5691.7	6022.4	6503.3	7089.7	6705.4	5749.9
20°	5270.6	5298.2	5256.8	5223.1	5278.2	5615.1	5889.2	6371.6	7244.4	7048.4	5948.9
22.5°	5722.3	5754.5	5656.5	5560.0	5524.8	5740.7	5939.7	6318.0	7362.3	7362.3	6126.6
25°	6269.0	6313.4	6161.8	5990.3	5892.3	6005.6	6155.7	6438.9	7483.3	7644.0	6247.5
27.5°	6879.9	6881.5	6751.3	6558.4	6374.6	6388.4	6478.8	6711.5	7616.5	7947.2	6342.5
30°	7567.5	7572.1	7399.0	7167.8	6936.6	6873.8	6950.4	7126.5	7893.6	8328.5	6474.2
32.5°	8455.6	8477.0	8229.0	7889.0	7588.9	7471.0	7515.4	7700.7	8334.6	8806.3	6671.7
35°	9656.1	9679.1	9313.1	8864.5	8386.7	8209.1	8253.5	8440.3	8973.2	9484.6	6987.1
37.5°	10841.3	10871.9	10501.4	10083.3	9428.0	9134.0	9179.9	9357.5	9931.7	10421.7	7492.4
40°	11660.5	11701.9	11587.0	11305.3	10697.4	10311.5	10366.6	10430.9	10986.8	11542.6	8147.8
42.5°	12092.3	12150.5	12199.5	12343.5	12023.4	11700.3	11606.9	11611.5	12060.2	12684.9	8829.2
45°	12118.4	12175.0	12426.2	12982.0	13225.5	13158.1	12988.1	12873.3	12879.4	13446.0	9254.9
47.5°	11276.2	11381.8	11851.9	12940.7	13856.4	14415.3	14329.5	14056.9	13223.9	13496.5	9209.0
50°	9281.0	9385.1	10239.5	11806.0	13397.0	14917.5	15271.2	14905.3	12998.8	12867.2	8735.8
52.5°	6740.6	6751.3	7305.6	9135.5	11535.0	13991.1	14824.1	14788.9	12655.8	12104.6	8089.6
55°	3201.9	3163.6	3786.8	5155.7	7977.9	11316.0	12720.2	13118.3	12168.9	11553.3	7588.9
57.5°	932.5	950.9	1228.1	2012.1	3990.5	7232.1	8711.3	9452.5	9988.4	9498.4	5886.2
60°	418.0	419.6	467.0	612.5	1329.1	3364.2	4503.4	5420.7	5971.9	5534.0	2920.1
62.5°	303.2	304.7	323.1	346.1	451.7	1139.3	1689.0	2250.9	2292.3	1500.6	739.6
65°	252.7	252.7	255.7	255.7	271.0	407.3	513.0	661.5	557.4	413.4	289.4
67.5°	203.7	205.2	208.3	208.3	203.7	203.7	220.5	241.9	258.8	320.0	266.4
70°	159.3	157.7	157.7	159.3	154.7	131.7	142.4	162.3	177.6	249.6	231.2
72.5°	124.0	125.6	124.0	117.9	107.2	78.1	84.2	105.7	113.3	156.2	156.2
75°	93.4	94.9	88.8	67.4	44.4	24.5	32.2	52.1	65.8	76.6	56.7
77.5°	12.3	12.3	9.2	9.2	7.7	9.2	9.2	12.3	18.4	18.4	13.8
80°	1.5	1.5	1.5	3.1	4.6	6.1	6.1	6.1	6.1	7.7	7.7
82.5°	1.5	1.5	1.5	1.5	4.6	4.6	6.1	6.1	6.1	6.1	6.1
85°	0.0	0.0	0.0	1.5	3.1	4.6	4.6	6.1	6.1	6.1	6.1
87.5°	0.0	0.0	0.0	1.5	3.1	4.6	4.6	4.6	6.1	6.1	6.1
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°	4874.0	4874.0	4874.0	4874.0	4874.0	4874.0	4874.0	4874.0	4874.0	4874.0	4874.0
2.5°	4881.7	4792.8	4685.6	4612.1	4508.0	4439.1	4341.1	4275.3	4218.6	4174.2	4198.7
5°	4883.2	4742.3	4523.3	4336.5	4132.9	3946.1	3745.5	3587.7	3445.3	3381.0	3416.2
7.5°	4913.8	4711.7	4376.3	4044.1	3653.6	3267.7	2906.3	2612.3	2466.9	2397.9	2419.4
10°	4973.5	4697.9	4212.5	3661.2	3027.3	2500.5	2149.9	1950.8	1869.7	1826.8	1834.4
12.5°	5028.7	4688.7	3999.6	3157.5	2388.8	1940.1	1757.9	1730.3	1747.2	1748.7	1747.2
15°	5103.7	4671.9	3736.3	2639.9	1911.0	1676.7	1681.3	1721.1	1760.9	1773.2	1770.1
17.5°	5183.3	4645.8	3396.3	2143.8	1621.6	1600.2	1653.8	1707.4	1747.2	1753.3	1754.8
20°	5266.0	4592.2	3008.9	1750.2	1486.9	1542.0	1601.7	1641.5	1670.6	1679.8	1682.9
22.5°	5304.3	4478.9	2561.8	1468.5	1396.5	1470.0	1514.4	1566.5	1575.7	1542.0	1548.1
25°	5284.4	4287.5	2125.4	1278.6	1306.2	1379.7	1445.5	1419.5	1381.2	1356.7	1364.4
27.5°	5221.6	4033.3	1698.2	1139.3	1209.7	1303.1	1310.8	1281.7	1275.5	1255.6	1261.8
30°	5154.2	3740.9	1365.9	1027.5	1111.7	1209.7	1186.7	1197.4	1199.0	1176.0	1183.7
32.5°	5112.9	3434.6	1087.2	952.4	1048.9	1067.3	1113.2	1134.7	1136.2	1082.6	1091.8
35°	5126.7	3133.0	920.3	891.2	990.7	986.1	1050.4	1062.7	973.9	900.4	908.0
37.5°	5238.4	2854.3	825.3	843.7	889.7	924.9	973.9	892.7	872.8	839.1	843.7
40°	5446.7	2616.9	768.7	814.6	820.8	877.4	802.4	813.1	814.6	793.2	797.8
42.5°	5690.2	2419.4	735.0	797.8	782.5	791.7	716.6	738.1	761.0	751.8	753.4
45°	5812.7	2226.4	705.9	739.6	744.2	656.9	640.1	663.0	692.1	696.7	698.3
47.5°	5703.9	2042.7	675.3	655.4	686.0	598.7	578.8	586.5	620.2	638.5	641.6
50°	5371.7	1831.4	629.3	580.3	563.5	537.5	519.1	520.6	558.9	591.1	597.2
52.5°	4904.6	1610.9	554.3	491.5	453.3	473.2	477.8	468.6	503.8	535.9	542.1
55°	4451.4	1335.3	439.5	399.7	364.4	407.3	419.6	407.3	418.0	439.5	441.0
57.5°	3134.5	754.9	336.9	330.8	301.7	349.1	369.0	350.7	332.3	346.1	349.1
60°	1453.2	395.1	258.8	258.8	251.1	300.1	333.8	307.8	272.6	278.7	283.3
62.5°	454.8	249.6	189.9	179.2	205.2	255.7	283.3	257.3	215.9	215.9	222.0
65°	257.3	214.4	150.1	137.8	166.9	205.2	222.0	194.5	157.7	154.7	154.7
67.5°	238.9	203.7	133.2	111.8	117.9	131.7	137.8	119.4	108.7	107.2	108.7
70°	197.5	170.0	107.2	76.6	72.0	70.4	73.5	68.9	65.8	67.4	72.0
72.5°	122.5	102.6	67.4	45.9	39.8	38.3	38.3	38.3	36.8	36.8	36.8
75°	44.4	38.3	30.6	23.0	19.9	18.4	18.4	19.9	18.4	16.8	15.3
77.5°	13.8	12.3	12.3	12.3	10.7	9.2	7.7	7.7	6.1	4.6	4.6
80°	7.7	7.7	7.7	7.7	6.1	6.1	4.6	3.1	1.5	1.5	0.0
82.5°	7.7	7.7	7.7	6.1	6.1	6.1	4.6	3.1	1.5	0.0	0.0
85°	6.1	6.1	6.1	6.1	6.1	6.1	4.6	3.1	1.5	0.0	0.0
87.5°	6.1	6.1	6.1	6.1	6.1	6.1	4.6	3.1	1.5	0.0	0.0
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)