

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: P643230

Luminaire Tested: GWS-SA6E-740-U-T3R-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643230
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-740-U-T3R-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28075.9 lumens
Efficiency: N/A
Efficacy: 86.7 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

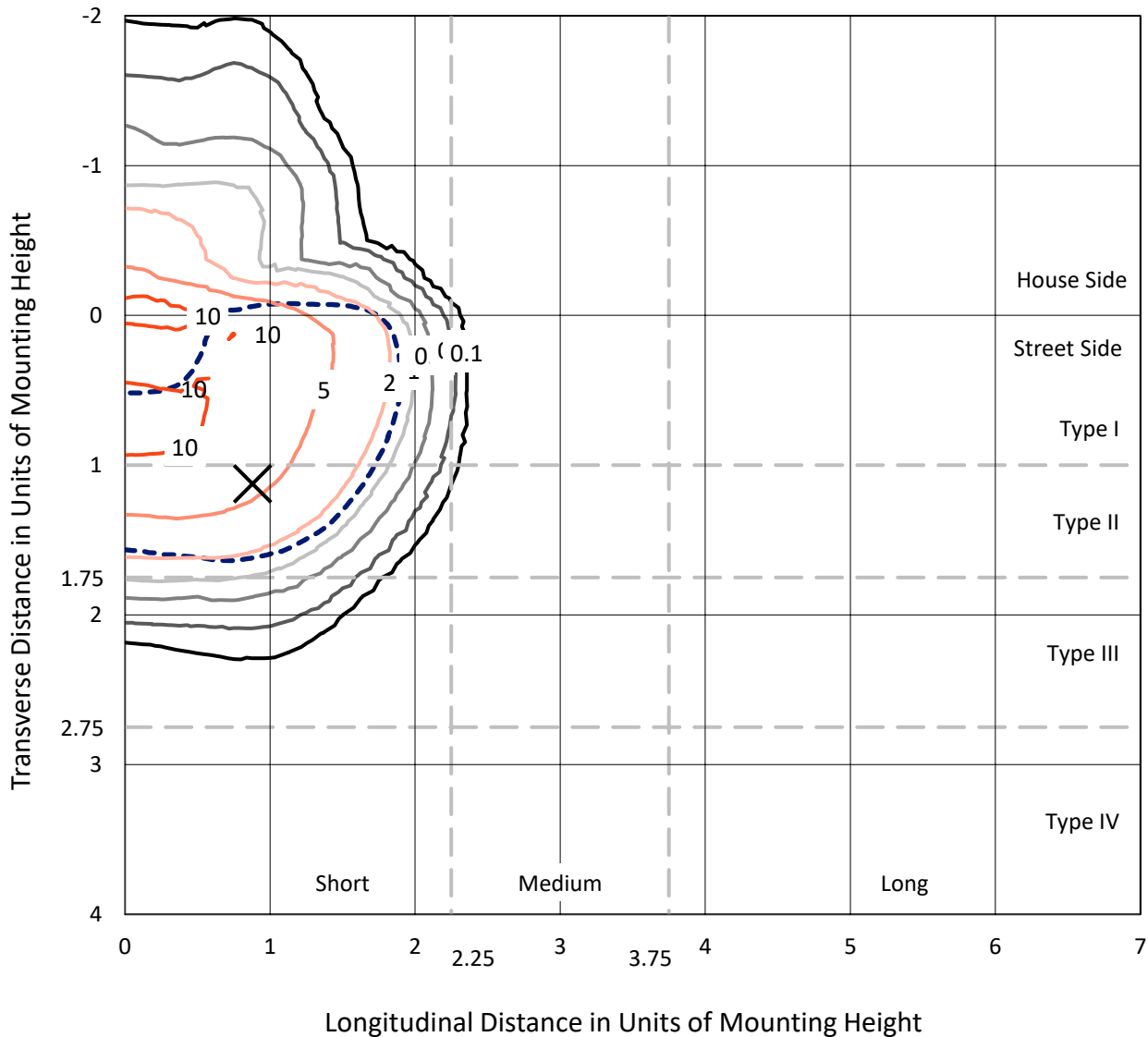
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P643230
 CATALOG NUMBER: GWS-SA6E-740-U-T3R-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

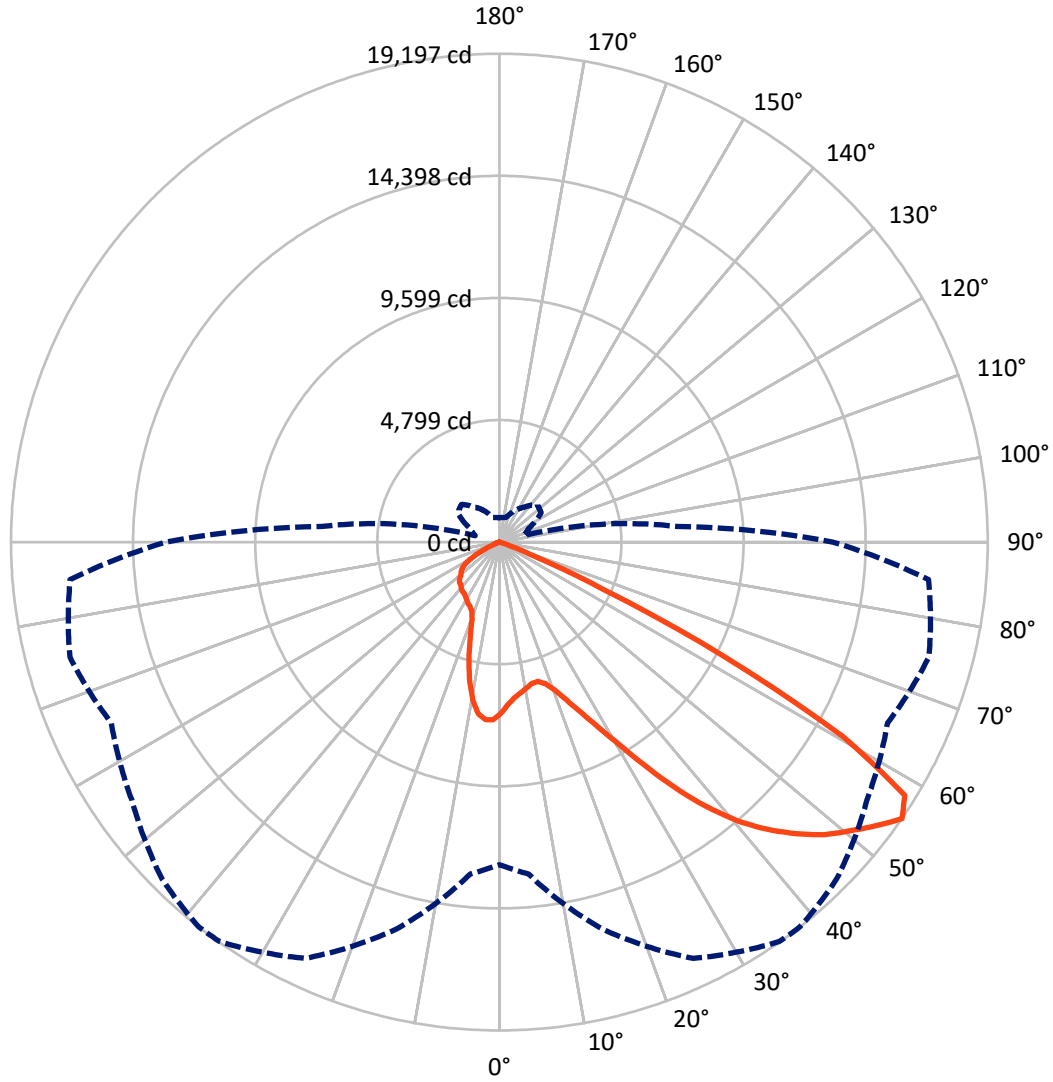
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
 Type II - Short - N/A

REPORT NUMBER: P643230
CATALOG NUMBER: GWS-SA6E-740-U-T3R-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P643230

CATALOG NUMBER: GWS-SA6E-740-U-T3R-W-GRSBK

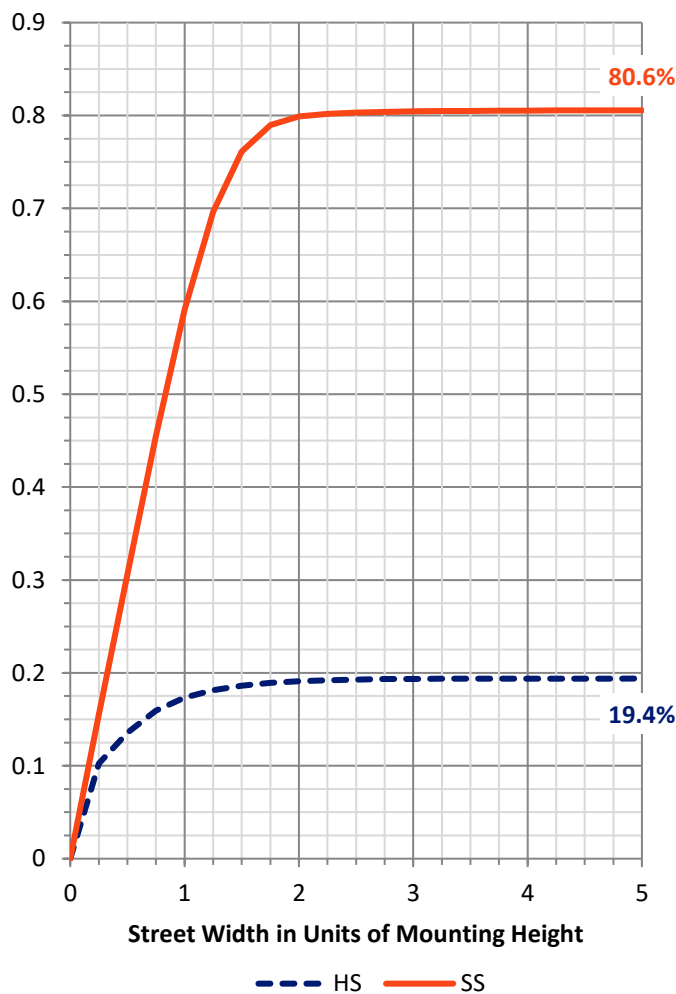
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5470.0	0.0	5470.0
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	22605.8	0.0	22605.8
	% Fixture	80.5	0.0	80.5
Total	Lumens	28075.9	0.0	28075.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	622.5	2.2
10°-20°	1675.9	6.0
20°-30°	2876.0	10.2
30°-40°	4770.1	17.0
40°-50°	7012.2	25.0
50°-60°	8194.0	29.2
60°-70°	2777.5	9.9
70°-80°	142.0	0.5
80°-90°	5.6	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°	28075.9	100.0
0°-180°	28075.9	100.0

Coefficient of Utilization



REPORT NUMBER: P643230

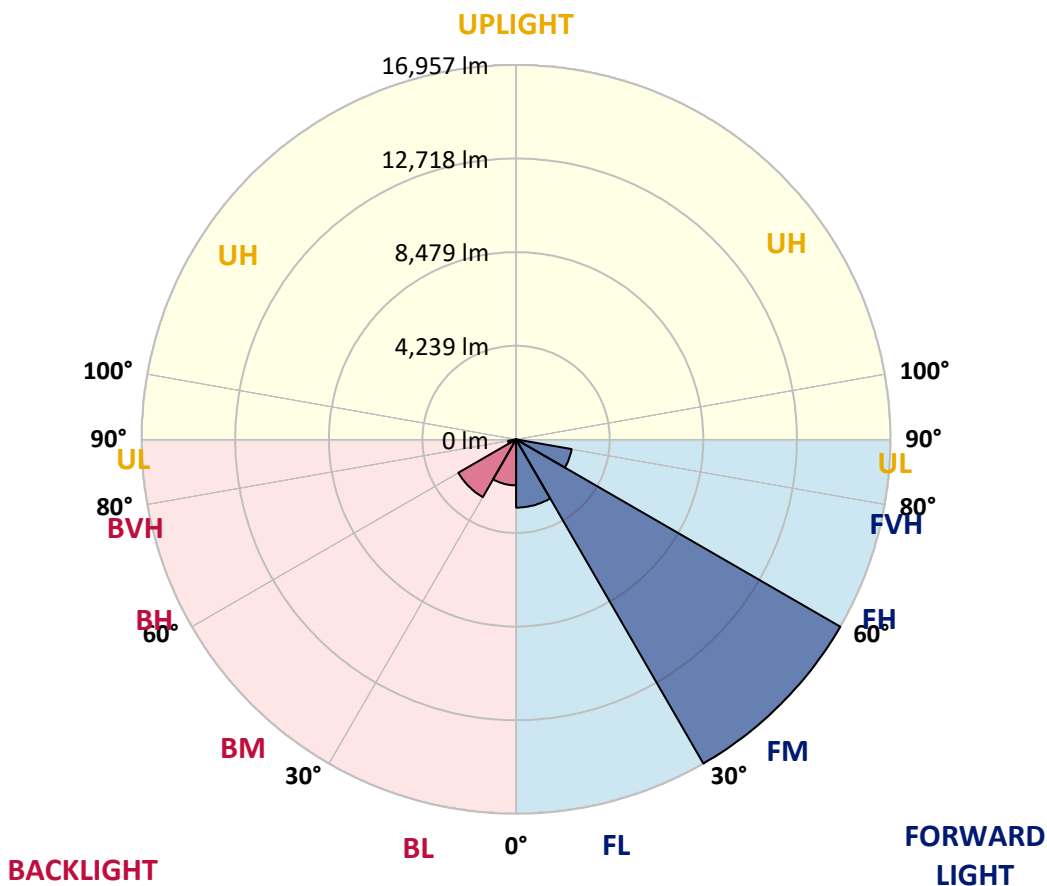
CATALOG NUMBER: GWS-SA6E-740-U-T3R-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3090.5	11.0			
FM (30°-60°)	16957.1	60.4			
FH (60°-80°)	2555.3	9.1			G2/5000
FVH (80°-90°)	3.0	0.0			G0/10
BL (0°-30°)	2084.0	7.4	B3/2500		
BM (30°-60°)	3019.2	10.8	B3/5000		
BH (60°-80°)	364.2	1.3	B1/500		G1/500
BVH (80°-90°)	2.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





REPORT NUMBER: P643230

CATALOG NUMBER: GWS-SA6E-740-U-T3R-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	38°	45°	55°	65°	75°	85°
0°	6732.8	6732.8	6732.8	6732.8	6732.8	6732.8	6732.8	6732.8	6732.8	6732.8	6732.8
2.5°	6270.7	6257.9	6283.5	6334.9	6383.0	6399.1	6447.2	6514.6	6556.3	6655.8	6736.0
5°	5988.3	5981.9	6007.5	6052.5	6116.7	6139.1	6212.9	6325.3	6437.6	6610.9	6781.0
7.5°	5731.6	5728.3	5766.9	5866.3	5959.4	5988.3	6078.1	6216.1	6367.0	6633.3	6883.6
10°	5394.6	5397.8	5471.6	5612.8	5782.9	5840.7	5985.1	6184.0	6379.8	6723.2	7069.8
12.5°	5285.5	5291.9	5330.4	5439.5	5625.7	5699.5	5901.6	6203.3	6453.6	6851.6	7310.5
15°	5551.8	5551.8	5519.8	5532.6	5616.0	5683.4	5895.2	6267.5	6578.8	7005.6	7547.9
17.5°	6068.5	6049.3	5969.0	5859.9	5831.0	5853.5	6023.6	6405.5	6755.3	7185.3	7817.5
20°	6768.1	6774.5	6617.3	6389.4	6206.5	6203.3	6306.0	6649.4	7008.8	7400.3	8109.5
22.5°	7615.3	7589.7	7381.1	7069.8	6752.1	6726.4	6768.1	7021.6	7374.6	7740.5	8469.0
25°	8597.3	8584.5	8289.3	7872.1	7451.7	7390.7	7390.7	7641.0	7897.7	8225.1	8899.0
27.5°	9624.3	9624.3	9338.7	8857.3	8298.9	8189.8	8173.7	8469.0	8639.1	8703.2	9261.6
30°	10680.1	10667.2	10384.8	9890.6	9293.7	9181.4	9136.5	9354.7	9476.6	9284.1	9714.1
32.5°	11751.9	11774.4	11488.8	11029.9	10497.2	10423.3	10285.4	10285.4	10384.8	10115.3	10426.6
35°	12904.0	12897.6	12673.0	12361.7	11906.0	11822.5	11594.7	11238.5	11389.3	11270.6	11411.8
37.5°	13921.3	13969.5	13860.4	13629.3	13260.2	13176.8	12801.3	12156.3	12271.8	12458.0	12583.1
40°	14954.7	14993.2	15102.3	15028.5	14563.2	14409.1	13741.6	12682.6	12811.0	13449.6	13809.0
42.5°	15968.8	15988.0	16209.5	16331.4	15708.8	15439.3	14454.1	13003.5	13138.3	14226.2	14855.2
45°	16613.8	16655.5	17021.4	17393.6	16719.7	16350.7	15073.4	13414.3	13472.0	14765.3	15628.6
47.5°	16588.1	16684.4	17371.2	18048.3	17589.4	17191.5	15817.9	14072.2	13975.9	15272.4	16138.9
50°	16071.5	16187.0	17172.2	18247.3	18215.2	17846.1	16645.9	15025.3	14723.6	15721.7	16203.0
52.5°	14999.6	15333.4	16822.4	18273.0	18719.0	18532.9	17669.6	16308.9	15734.5	16366.7	16305.7
55°	12682.6	13093.4	15760.2	18054.7	19174.7	19197.2	18744.7	17647.2	16832.0	17477.1	16937.9
57.5°	9627.5	9954.8	12130.6	16071.5	18420.6	18789.6	19161.9	18353.2	17509.2	18234.4	17085.6
60°	5802.2	6180.8	7596.1	11793.7	14877.7	15506.7	16966.8	16809.6	15792.3	16103.6	14011.2
62.5°	2352.3	2551.3	3507.6	6498.5	9364.3	9951.6	11350.8	11588.3	11338.0	11020.3	8497.9
65°	860.1	940.3	1405.6	2686.1	4306.7	4521.7	5259.8	5680.2	6026.8	5131.4	3161.0
67.5°	532.7	584.1	914.6	1379.9	1566.1	1457.0	1482.6	1768.2	1688.0	1043.0	564.8
70°	394.7	436.4	715.6	956.3	632.2	487.8	330.5	353.0	317.7	279.2	276.0
72.5°	272.8	311.3	535.9	564.8	243.9	173.3	121.9	170.1	192.5	189.3	195.8
75°	179.7	208.6	337.0	221.4	61.0	48.1	41.7	89.9	115.5	115.5	118.7
77.5°	105.9	121.9	118.7	44.9	12.8	12.8	9.6	16.0	25.7	28.9	35.3
80°	12.8	9.6	6.4	6.4	6.4	6.4	6.4	6.4	9.6	9.6	9.6
82.5°	3.2	3.2	3.2	6.4	6.4	6.4	6.4	6.4	6.4	9.6	9.6
85°	0.0	0.0	3.2	3.2	6.4	6.4	6.4	6.4	6.4	9.6	9.6
87.5°	0.0	0.0	3.2	3.2	6.4	6.4	6.4	6.4	6.4	9.6	9.6
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: P643230
 CATALOG NUMBER: GWS-SA6E-740-U-T3R-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6732.8	6732.8	6732.8	6732.8	6732.8	6732.8	6732.8	6732.8	6732.8	6732.8	6732.8
2.5°	6797.0	6774.5	6867.6	6935.0	6989.5	7015.2	6979.9	6976.7	6976.7	6906.1	6886.9
5°	6877.2	6886.9	7018.4	7076.2	7085.8	7053.7	6973.5	6918.9	6886.9	6813.0	6771.3
7.5°	7031.3	7063.4	7188.5	7178.9	7092.2	6944.6	6732.8	6569.1	6463.2	6347.7	6277.1
10°	7252.7	7313.7	7390.7	7255.9	6979.9	6604.4	6168.0	5856.7	5670.6	5539.0	5458.8
12.5°	7522.3	7583.2	7557.6	7239.9	6665.4	5994.7	5433.1	4983.8	4768.8	4650.1	4566.6
15°	7795.0	7833.6	7666.7	7047.3	6110.2	5208.5	4582.7	4136.6	3873.5	3777.2	3706.6
17.5°	8074.2	8064.6	7685.9	6668.6	5368.9	4322.7	3706.6	3401.7	3327.9	3311.9	3305.4
20°	8366.3	8279.6	7608.9	6126.3	4476.8	3446.6	3096.8	3116.1	3250.9	3315.1	3327.9
22.5°	8700.0	8481.8	7416.4	5391.4	3565.4	2872.2	2907.5	3096.8	3279.8	3366.4	3379.2
25°	9056.2	8667.9	7095.5	4447.9	2811.2	2641.1	2849.7	3068.0	3263.7	3369.6	3382.5
27.5°	9290.5	8712.9	6569.1	3498.0	2413.3	2551.3	2772.7	2981.3	3183.5	3299.0	3315.1
30°	9544.0	8693.6	5853.5	2695.7	2278.5	2474.3	2666.8	2856.2	3042.3	3170.6	3183.5
32.5°	9916.3	8680.8	4980.6	2188.6	2223.9	2413.3	2554.5	2711.7	2840.1	2913.9	2904.3
35°	10404.1	8664.7	3963.3	1973.6	2191.9	2365.2	2477.5	2551.3	2410.1	2365.2	2374.8
37.5°	11029.9	8703.2	3106.5	1883.8	2182.2	2352.3	2448.6	2236.8	2018.6	1935.1	1922.3
40°	11723.1	8802.7	2368.4	1848.5	2214.3	2384.4	2339.5	1989.7	1720.1	1556.4	1521.1
42.5°	12419.4	8911.8	1874.1	1835.6	2268.9	2474.3	2159.8	1810.0	1405.6	1312.5	1299.7
45°	12936.1	8892.6	1620.6	1813.2	2317.0	2525.6	2111.6	1553.2	1254.8	1213.1	1216.3
47.5°	13196.1	8680.8	1482.6	1761.8	2336.3	2474.3	1992.9	1447.3	1152.1	1197.0	1235.5
50°	13058.1	8132.0	1354.3	1662.3	2294.5	2406.9	1803.5	1367.1	1100.7	1286.9	1373.5
52.5°	12891.2	7458.1	1213.1	1508.3	2195.1	2313.8	1729.7	1344.6	1068.6	1241.9	1306.1
55°	13112.6	7031.3	982.0	1270.8	1999.3	2095.6	1672.0	1341.4	994.8	966.0	956.3
57.5°	12801.3	6180.8	702.8	914.6	1534.0	1659.1	1630.3	1319.0	882.5	879.3	892.1
60°	9893.8	3770.8	481.4	580.9	940.3	1059.0	1479.4	1261.2	760.6	699.6	702.8
62.5°	5622.4	1604.6	330.5	359.4	481.4	571.2	1129.6	1145.7	702.8	667.5	702.8
65°	1957.6	574.4	256.7	240.7	266.4	304.9	648.3	885.7	638.6	577.6	584.1
67.5°	404.4	285.6	227.9	199.0	199.0	199.0	330.5	552.0	526.3	458.9	465.3
70°	256.7	243.9	199.0	170.1	163.7	150.8	189.3	304.9	362.6	333.8	337.0
72.5°	189.3	186.1	157.2	138.0	121.9	109.1	118.7	150.8	186.1	192.5	195.8
75°	115.5	118.7	102.7	86.6	77.0	67.4	70.6	70.6	70.6	64.2	70.6
77.5°	35.3	38.5	32.1	25.7	22.5	22.5	22.5	19.3	16.0	9.6	9.6
80°	9.6	9.6	9.6	9.6	9.6	6.4	6.4	3.2	3.2	0.0	0.0
82.5°	9.6	9.6	9.6	9.6	6.4	6.4	3.2	3.2	0.0	0.0	0.0
85°	9.6	9.6	9.6	9.6	6.4	6.4	3.2	3.2	0.0	0.0	0.0
87.5°	9.6	9.6	9.6	9.6	6.4	6.4	3.2	3.2	0.0	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)