

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: P642762

Luminaire Tested: GWS-SA6D-750-U-SL2-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642762
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-27)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-750-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36008.2 lumens
Efficiency: N/A
Efficacy: 146.6 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G5

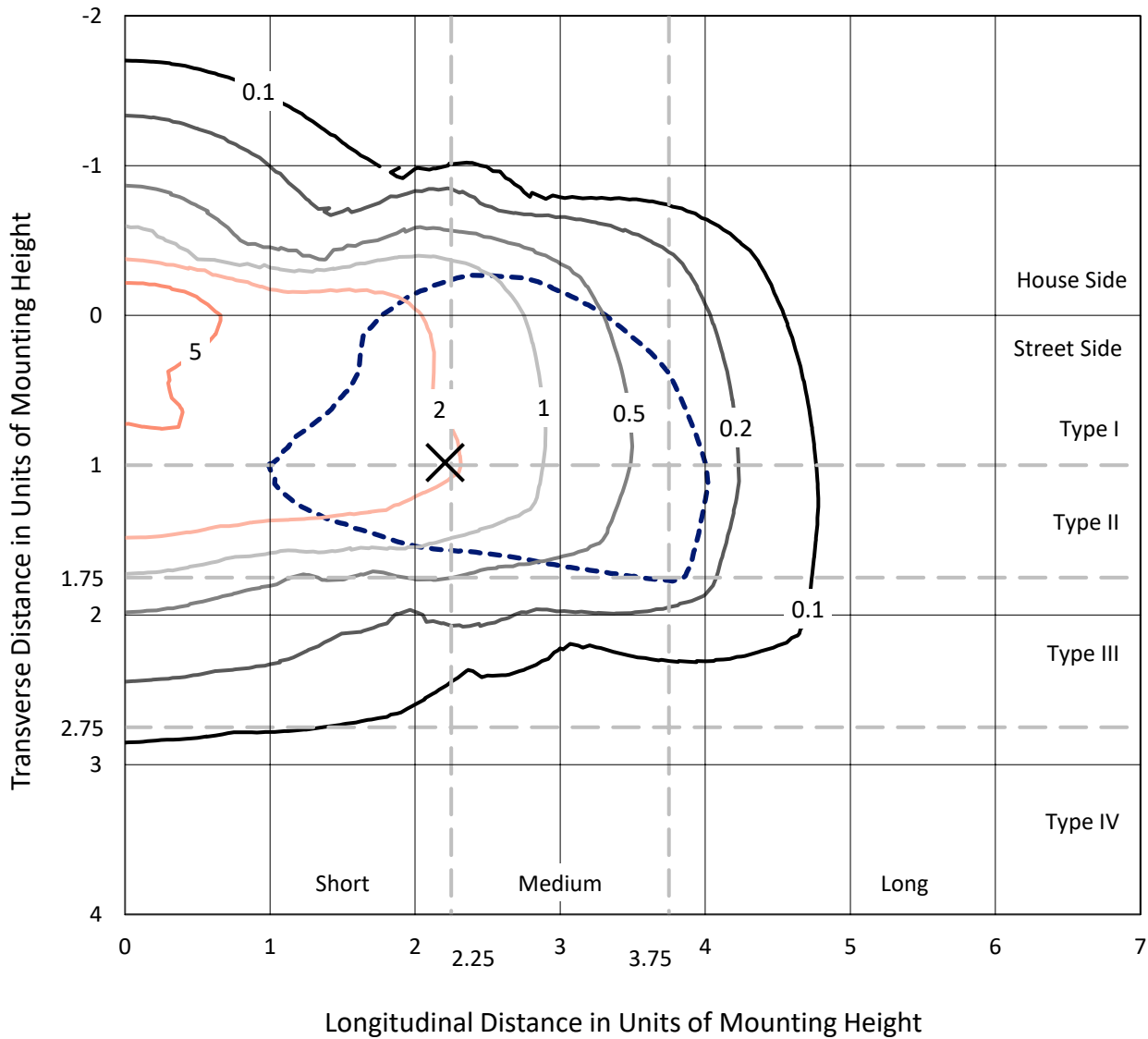
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

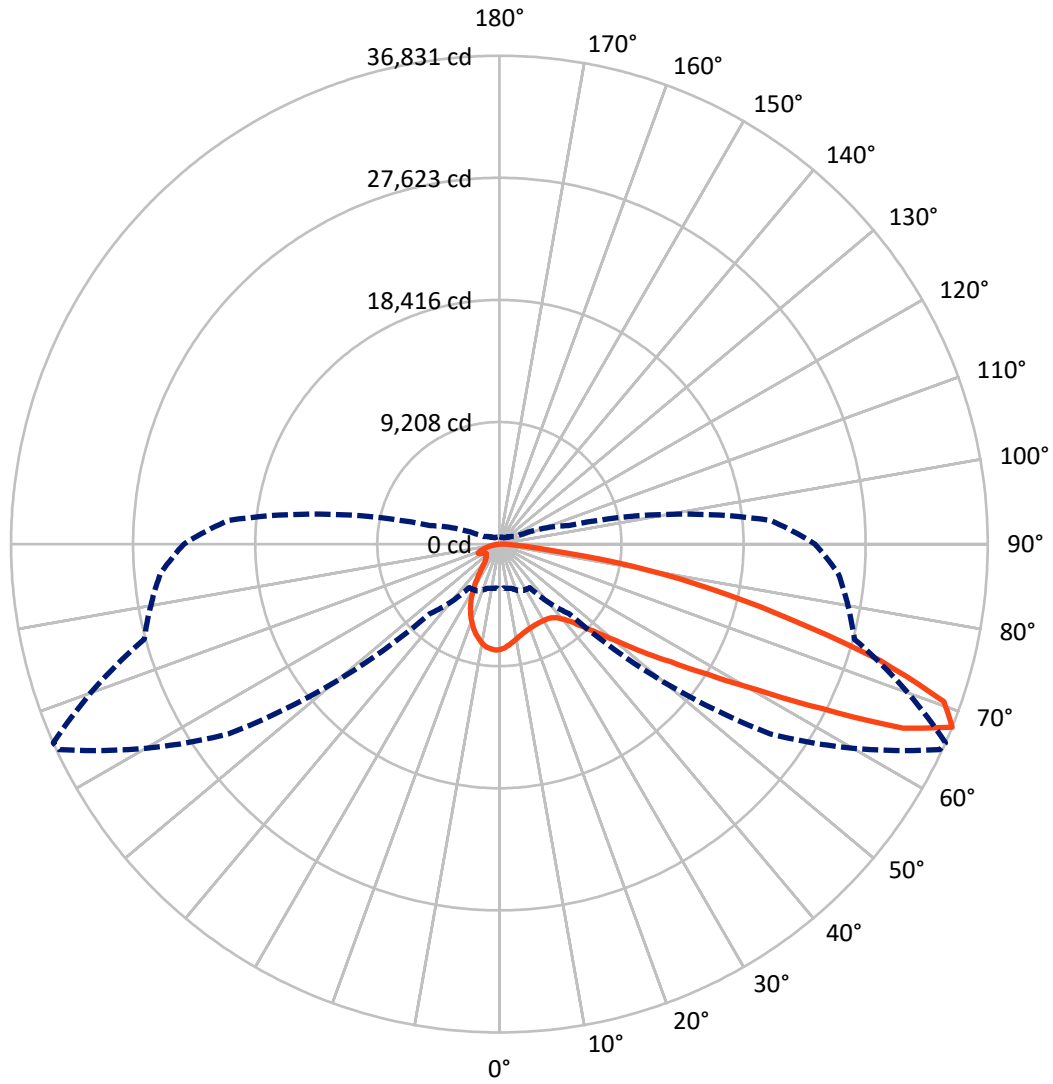
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 8.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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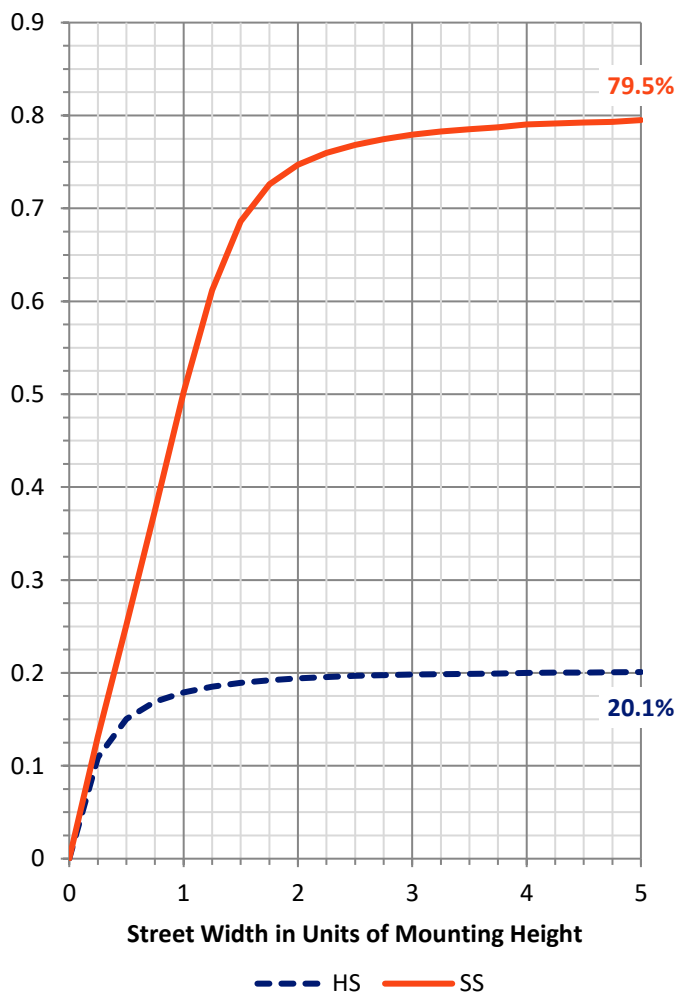
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7306.9	0.0	7306.9
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	28701.3	0.0	28701.3
	% Fixture	79.7	0.0	79.7
Total	Lumens	36008.2	0.0	36008.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	698.3	1.9
10°-20°	1716.2	4.8
20°-30°	2358.9	6.6
30°-40°	3225.1	9.0
40°-50°	4886.8	13.6
50°-60°	7596.7	21.1
60°-70°	9248.8	25.7
70°-80°	5633.9	15.6
80°-90°	643.5	1.8
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°	36008.2	100.0
0°-180°	36008.2	100.0

Coefficient of Utilization



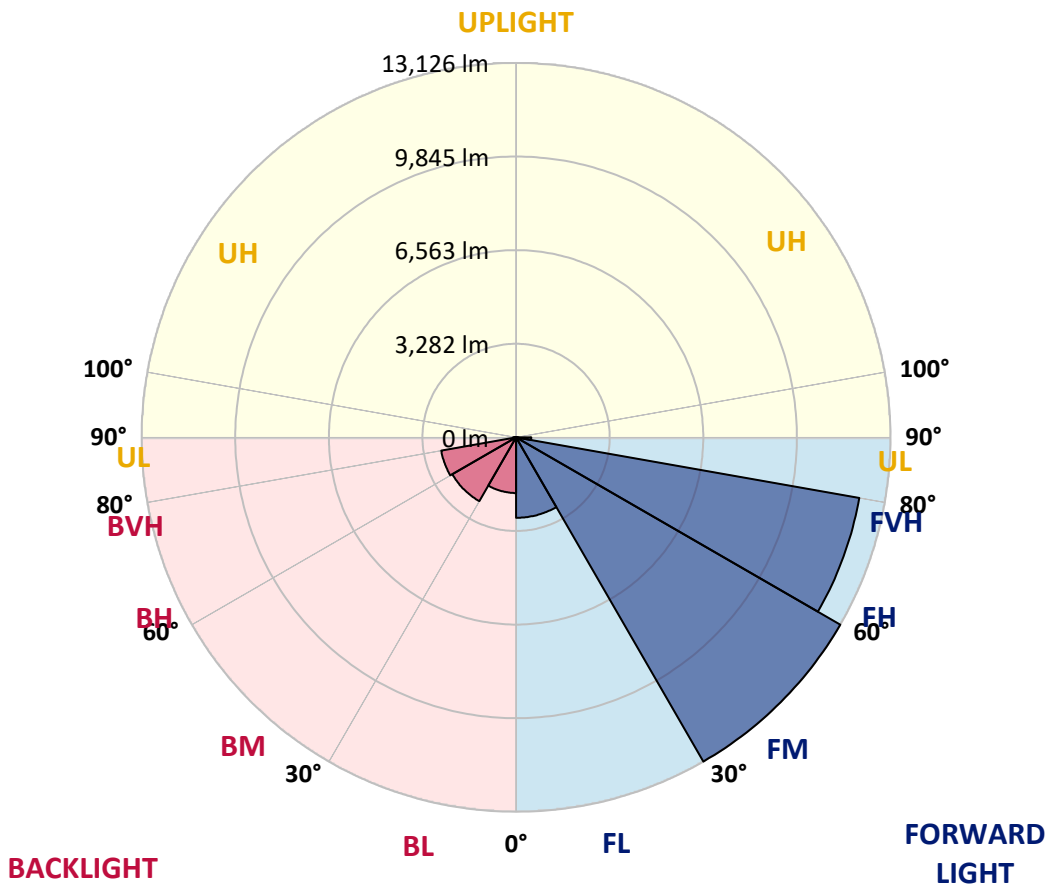
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2821.4	7.8			
FM (30°-60°)	13126.4	36.5			
FH (60°-80°)	12218.5	33.9			G5
FVH (80°-90°)	535.0	1.5			G4/750
BL (0°-30°)	1952.0	5.4	B3/2500		
BM (30°-60°)	2582.2	7.2	B3/5000		
BH (60°-80°)	2664.2	7.4	B4/5000		G4/5000
BVH (80°-90°)	108.5	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	7956.8	7956.8	7956.8	7956.8	7956.8	7956.8	7956.8	7956.8	7956.8	7956.8	7956.8
2.5°	7452.4	7478.7	7462.9	7562.8	7568.0	7694.1	7765.0	7825.4	7830.7	7909.5	7962.0
5°	6942.8	6958.6	6958.6	7053.1	7116.2	7284.3	7447.2	7620.6	7633.7	7822.8	7967.3
7.5°	6530.4	6546.2	6535.7	6661.7	6743.2	6929.7	7137.2	7402.5	7428.8	7733.5	7985.7
10°	6207.3	6202.0	6228.3	6343.9	6449.0	6672.3	6903.4	7205.5	7244.9	7631.1	8006.7
12.5°	5986.6	5991.9	6007.7	6128.5	6241.4	6462.1	6701.1	7029.5	7071.5	7512.8	7996.2
15°	5881.6	5871.1	5884.2	5994.5	6102.2	6296.6	6543.5	6882.4	6924.4	7407.8	7998.8
17.5°	5857.9	5850.0	5847.4	5926.2	6007.7	6188.9	6425.3	6769.4	6814.1	7339.5	8014.6
20°	5931.5	5921.0	5892.1	5926.2	5960.4	6112.7	6341.3	6688.0	6737.9	7294.8	8046.1
22.5°	6133.7	6115.4	6070.7	6028.7	5984.0	6076.0	6288.7	6627.6	6677.5	7265.9	8077.6
25°	6441.1	6425.3	6378.0	6283.5	6120.6	6104.8	6278.2	6601.3	6651.2	7244.9	8090.8
27.5°	6864.0	6840.4	6793.1	6656.5	6391.2	6212.5	6317.6	6598.7	6646.0	7221.3	8077.6
30°	7365.7	7350.0	7323.7	7158.2	6803.6	6441.1	6406.9	6619.7	6656.5	7208.1	8051.4
32.5°	7875.4	7859.6	7880.6	7801.8	7365.7	6819.4	6601.3	6677.5	6703.8	7205.5	8027.7
35°	8324.6	8342.9	8495.3	8508.4	8080.3	7331.6	6908.7	6811.5	6816.7	7258.0	8038.2
37.5°	8794.8	8865.7	9065.3	9236.1	8878.8	8009.3	7365.7	7063.7	7058.4	7392.0	8103.9
40°	9417.3	9448.9	9703.7	10024.1	9800.9	8939.2	8014.6	7476.1	7439.3	7665.2	8279.9
42.5°	10024.1	10100.3	10507.5	10875.2	10801.7	9987.4	8831.5	8093.4	8027.7	8148.6	8642.4
45°	10796.4	10870.0	11327.1	11799.9	11933.9	11172.1	9877.0	8970.8	8905.1	8876.2	9307.0
47.5°	11568.7	11644.9	12054.7	12737.7	13207.9	12653.6	11237.8	10129.2	10021.5	9908.6	10310.5
50°	12088.9	12178.2	12569.6	13389.2	14492.4	14503.0	12850.6	11647.5	11510.9	11332.3	11723.7
52.5°	12070.5	12128.3	12501.3	13446.9	15417.1	16628.1	15009.9	13580.9	13470.6	13081.8	13423.3
55°	11122.2	11208.9	11584.5	12766.6	15516.9	18642.9	18183.2	15861.0	15664.0	14967.9	15343.5
57.5°	9217.7	9291.2	9669.5	11127.4	14631.7	19675.3	22212.8	18766.4	18495.8	17022.1	17455.6
60°	6958.6	6869.3	7047.9	8324.6	12514.4	19701.5	25769.6	22706.7	22254.8	19218.2	19580.7
62.5°	5222.2	5132.9	5172.3	5532.2	8484.8	18109.6	27797.5	28097.0	27351.0	21697.9	21627.0
65°	4126.8	4076.9	4189.9	4436.8	4946.4	13791.1	27813.3	33926.0	33455.8	24571.7	23725.9
67.5°	3362.4	3330.9	3446.5	3903.5	4011.2	7410.4	24939.5	36647.5	36831.3	27718.7	25672.4
70°	2708.3	2661.0	2842.3	3443.8	3730.2	4484.1	17865.3	35260.5	35557.3	29594.3	25123.4
72.5°	1870.3	1873.0	1964.9	2789.7	3601.4	3872.0	10105.6	29360.5	30004.1	27894.7	22086.7
75°	1260.9	1271.4	1297.7	1841.4	3317.7	3756.4	5385.1	22228.6	22683.0	23056.0	18256.7
77.5°	761.8	767.0	827.5	1113.8	2288.0	3506.9	3648.7	16113.2	16470.5	15199.1	11316.6
80°	441.3	459.7	514.9	746.0	1544.6	2634.8	2823.9	9879.7	10284.2	6756.3	3596.2
82.5°	194.4	207.5	281.1	433.4	901.0	2240.7	2203.9	3903.5	3845.7	1883.5	1247.8
85°	34.1	42.0	60.4	136.6	331.0	1182.1	1710.1	1723.2	1620.8	714.5	517.5
87.5°	0.0	0.0	0.0	0.0	0.0	7.9	257.4	462.3	459.7	202.3	178.6
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°	7956.8	7956.8	7956.8	7956.8	7956.8	7956.8	7956.8	7956.8	7956.8	7956.8	7956.8
2.5°	7996.2	7925.3	7988.3	7996.2	7983.1	7972.6	7893.7	7825.4	7817.6	7744.0	7744.0
5°	8025.1	7959.4	7990.9	7930.5	7836.0	7738.8	7570.6	7455.1	7402.5	7308.0	7308.0
7.5°	8064.5	7996.2	7959.4	7809.7	7589.0	7376.3	7105.7	6879.8	6787.8	6653.9	6648.6
10°	8101.3	8014.6	7888.5	7596.9	7244.9	6906.0	6512.0	6191.5	5973.5	5813.3	5813.3
12.5°	8098.6	7985.7	7736.1	7305.3	6819.4	6328.1	5802.8	5319.4	5030.5	4780.9	4765.1
15°	8093.4	7938.4	7541.7	6966.5	6322.9	5642.5	4928.0	4297.6	3869.4	3625.1	3604.1
17.5°	8088.1	7878.0	7323.7	6580.3	5718.7	4791.4	3848.4	3165.4	2808.1	2658.4	2663.6
20°	8088.1	7809.7	7089.9	6136.4	5022.6	3772.2	2823.9	2327.4	2238.1	2246.0	2253.9
22.5°	8064.5	7725.6	6829.9	5653.0	4247.6	2774.0	2083.1	1915.0	1962.3	2035.8	2046.3
25°	8009.3	7586.4	6527.8	5117.1	3325.6	2020.1	1699.6	1668.1	1754.7	1846.7	1873.0
27.5°	7922.6	7426.2	6188.9	4489.3	2448.2	1623.4	1494.7	1492.1	1560.4	1628.7	1652.3
30°	7830.7	7247.5	5831.7	3790.6	1773.1	1413.3	1363.3	1363.3	1397.5	1439.5	1434.3
32.5°	7723.0	7066.3	5448.1	3062.9	1444.8	1295.0	1279.3	1271.4	1276.7	1292.4	1292.4
35°	7631.1	6906.0	5054.1	2293.3	1295.0	1229.4	1213.6	1195.2	1187.3	1176.8	1182.1
37.5°	7596.9	6780.0	4646.9	1728.5	1221.5	1182.1	1155.8	1129.6	1111.2	1105.9	1103.3
40°	7652.1	6727.4	4239.8	1423.8	1169.0	1132.2	1103.3	1069.1	1053.4	1053.4	1053.4
42.5°	7867.5	6766.8	3824.7	1287.2	1132.2	1090.2	1048.1	1016.6	1011.3	1016.6	1019.2
45°	8261.5	6919.2	3393.9	1218.9	1100.7	1048.1	998.2	974.6	974.6	979.8	979.8
47.5°	8965.5	7318.5	2968.4	1176.8	1069.1	1014.0	961.4	937.8	935.2	940.4	940.4
50°	10184.4	8038.2	2584.8	1147.9	1045.5	987.7	935.2	903.6	895.8	893.1	893.1
52.5°	11721.1	9286.0	2340.5	1126.9	1016.6	958.8	906.3	864.2	848.5	840.6	840.6
55°	13578.3	10948.8	2340.5	1111.2	979.8	924.7	864.2	822.2	798.6	788.1	788.1
57.5°	15682.4	12884.8	2745.1	1098.0	950.9	885.3	819.6	777.6	751.3	735.5	735.5
60°	17823.3	14931.1	3745.9	1079.6	924.7	835.3	769.7	730.3	696.1	677.7	675.1
62.5°	20043.0	17185.0	5064.6	1090.2	906.3	788.1	717.1	672.5	643.6	625.2	622.6
65°	22076.2	19331.1	6217.8	1171.6	908.9	746.0	656.7	617.3	593.7	570.0	567.4
67.5°	23802.1	20515.9	5408.7	1337.1	964.1	696.1	596.3	556.9	535.9	520.1	517.5
70°	22593.7	18708.6	3068.2	1439.5	1040.2	643.6	528.0	501.7	480.7	470.2	467.6
72.5°	19320.6	15840.0	2051.6	1271.4	948.3	575.3	465.0	443.9	428.2	415.0	412.4
75°	15650.9	12561.7	1568.2	1042.9	738.2	467.6	399.3	383.5	367.8	354.6	352.0
77.5°	9259.7	7258.0	1155.8	824.8	520.1	365.1	331.0	317.9	302.1	291.6	289.0
80°	2955.2	2521.8	732.9	567.4	344.1	281.1	254.8	244.3	228.5	215.4	212.8
82.5°	1126.9	974.6	388.8	289.0	228.5	191.8	170.7	160.2	149.7	136.6	134.0
85°	499.1	467.6	215.4	155.0	123.5	94.6	84.1	78.8	65.7	55.2	52.5
87.5°	176.0	176.0	91.9	44.7	26.3	13.1	7.9	2.6	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)