

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: P640289

Luminaire Tested: GWS-SA5D-750-U-SL3-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640289
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-33)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-750-U-SL3-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25734.2 lumens
Efficiency: N/A
Efficacy: 125.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

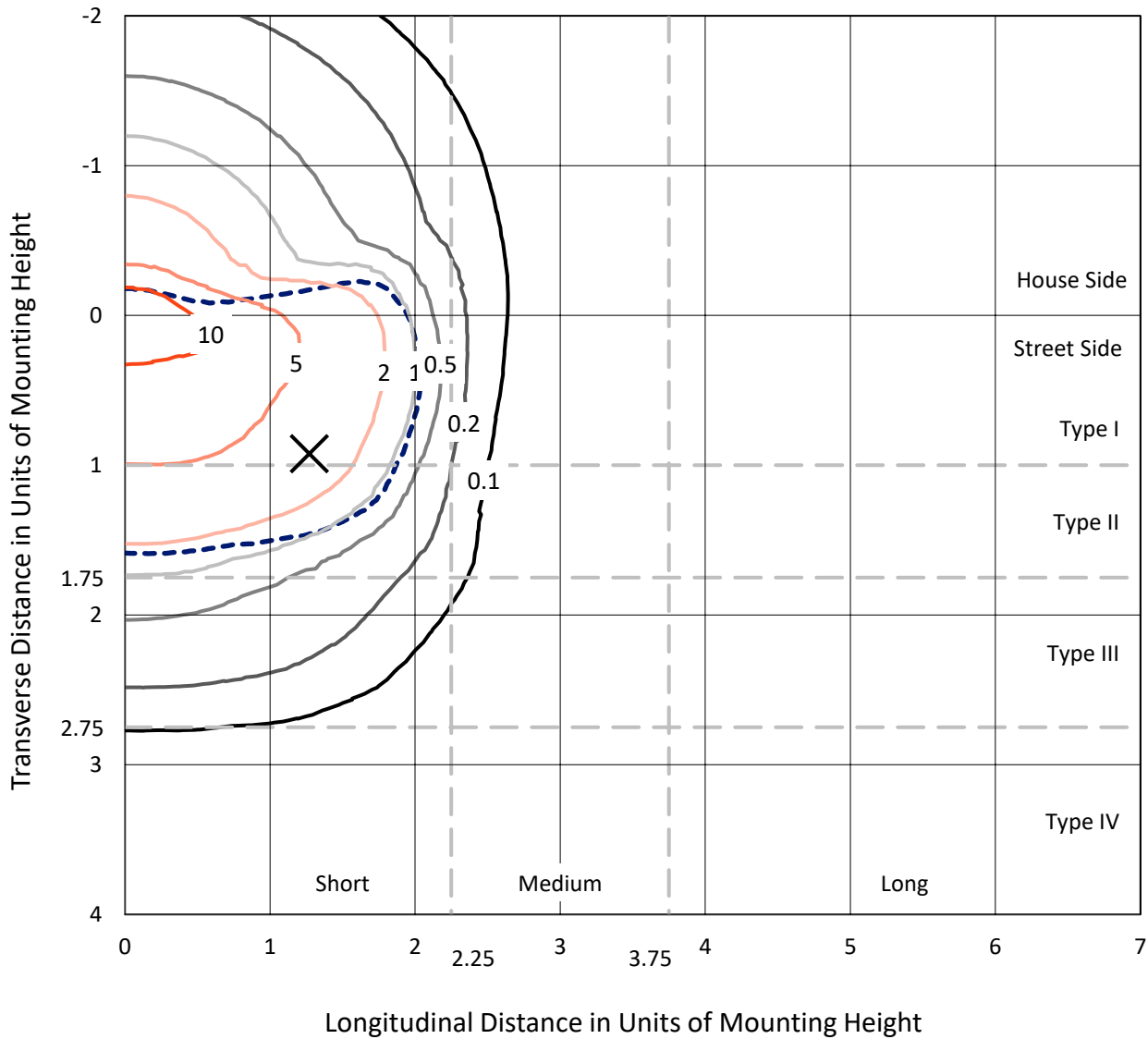
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

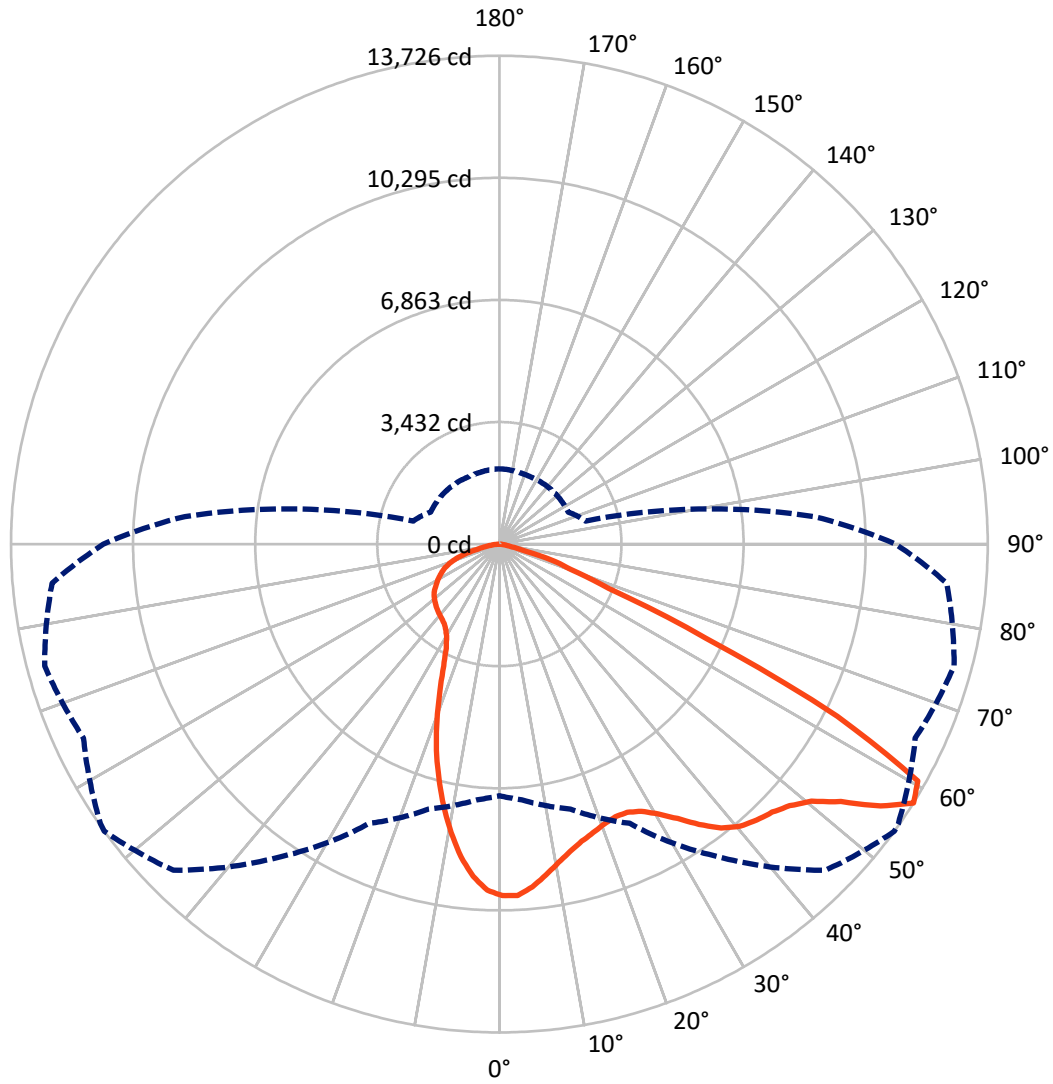
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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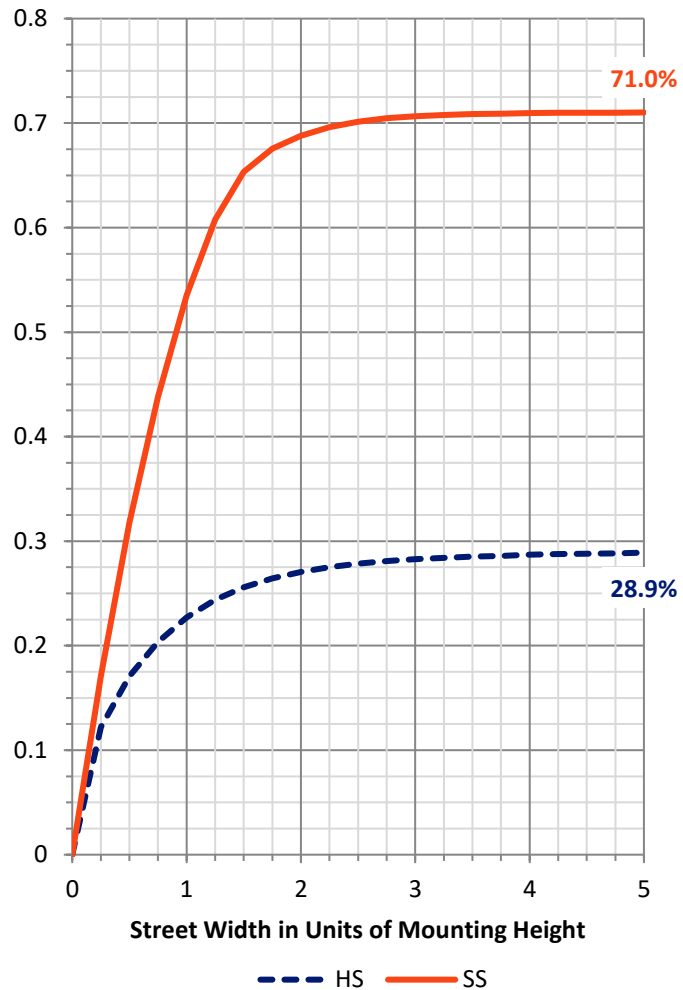
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7481.2	0.0	7481.2
	% Fixture	29.1	0.0	29.1
Street Side	Lumens	18253.0	0.0	18253.0
	% Fixture	70.9	0.0	70.9
Total	Lumens	25734.2	0.0	25734.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	868.4	3.4
10°-20°	2072.2	8.1
20°-30°	2867.6	11.1
30°-40°	3984.6	15.5
40°-50°	5262.4	20.4
50°-60°	6253.6	24.3
60°-70°	3464.6	13.5
70°-80°	862.8	3.4
80°-90°	98.1	0.4
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°	25734.2	100.0
0°-180°	25734.2	100.0

Coefficient of Utilization



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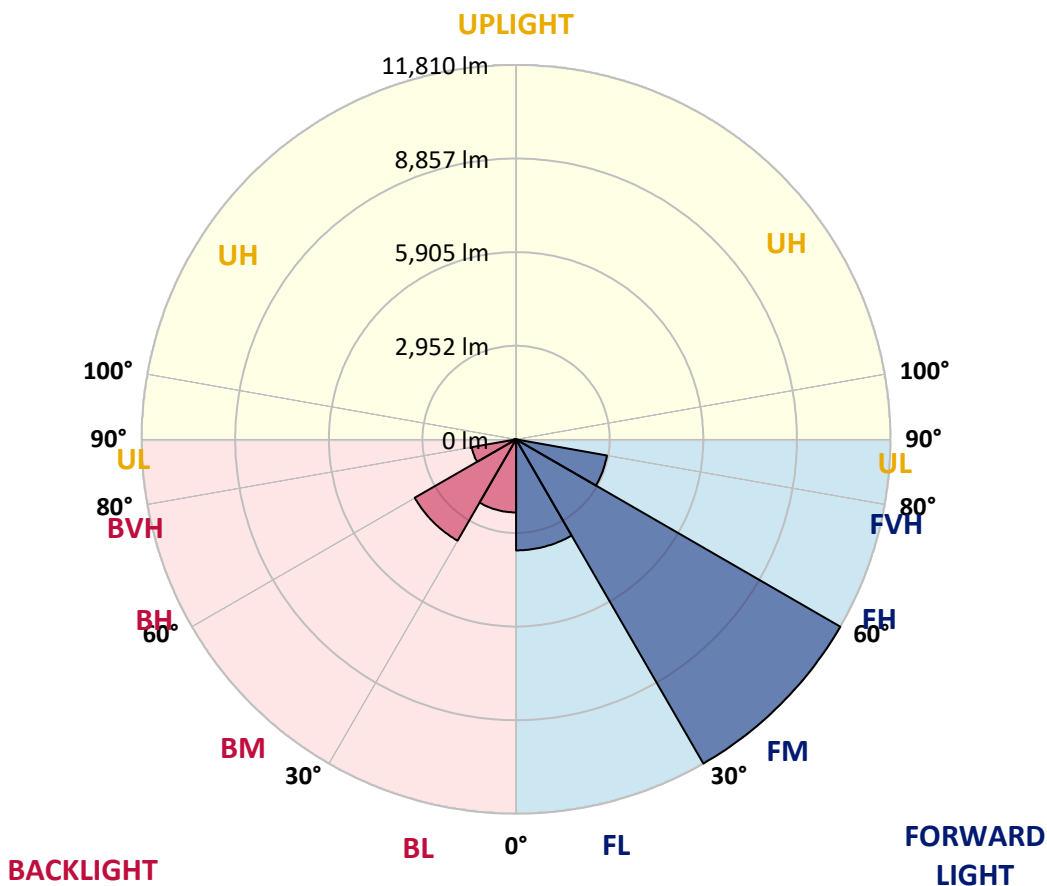
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3502.8	13.6			
FM (30°-60°)	11809.8	45.9			
FH (60°-80°)	2909.6	11.3			G2/5000
FVH (80°-90°)	30.7	0.1			G1/100
BL (0°-30°)	2305.4	9.0	B3/2500		
BM (30°-60°)	3690.7	14.3	B3/5000		
BH (60°-80°)	1417.7	5.5	B3/2500		G3/2500
BVH (80°-90°)	67.4	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-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	9879.9	9879.9	9879.9	9879.9	9879.9	9879.9	9879.9	9879.9	9879.9	9879.9	9879.9
2.5°	9694.9	9714.7	9727.9	9774.2	9813.9	9849.1	9886.6	9886.6	9884.3	9877.7	9864.5
5°	9311.6	9333.6	9364.5	9428.4	9514.3	9575.9	9677.3	9686.1	9730.1	9747.8	9739.0
7.5°	8866.6	8873.2	8912.9	8996.6	9133.2	9243.3	9388.7	9406.3	9512.1	9573.7	9562.7
10°	8379.8	8357.7	8428.2	8551.6	8730.0	8915.1	9102.3	9117.7	9287.4	9404.1	9395.3
12.5°	7934.8	7937.0	8007.5	8157.3	8379.8	8608.9	8860.0	8895.3	9104.5	9254.3	9238.9
15°	7562.5	7571.3	7657.2	7826.9	8080.2	8353.3	8666.2	8699.2	8963.5	9161.8	9117.7
17.5°	7265.1	7273.9	7348.8	7542.7	7813.6	8144.1	8525.2	8558.2	8886.4	9122.2	9031.8
20°	7060.2	7055.8	7128.5	7313.6	7593.3	7952.4	8401.8	8450.3	8862.2	9137.6	8974.6
22.5°	6976.5	6974.3	7027.2	7179.2	7441.3	7804.8	8326.9	8393.0	8888.6	9205.9	8939.3
25°	7018.4	7009.6	7055.8	7168.2	7377.5	7747.6	8348.9	8419.4	9001.0	9346.8	8945.9
27.5°	7148.4	7137.4	7177.0	7278.3	7436.9	7807.0	8503.1	8584.6	9238.9	9604.6	9034.0
30°	7346.6	7340.0	7379.7	7476.6	7615.4	8005.3	8798.3	8890.8	9606.8	10005.5	9225.7
32.5°	7577.9	7566.9	7637.4	7749.8	7910.6	8366.6	9194.8	9316.0	10043.0	10521.0	9547.3
35°	7837.9	7829.1	7926.0	8089.0	8320.3	8868.8	9675.1	9807.2	10487.9	11104.7	9974.7
37.5°	8091.2	8091.2	8278.4	8520.8	8811.5	9415.1	10126.7	10210.4	10796.3	11622.4	10432.9
40°	8315.9	8329.1	8611.1	8974.6	9344.6	9908.6	10424.1	10494.5	10932.9	11979.3	10831.6
42.5°	8564.8	8575.8	8904.1	9379.9	9820.5	10307.3	10604.7	10639.9	10959.4	12157.7	11113.6
45°	8763.1	8778.5	9186.0	9694.9	10234.6	10606.9	10747.9	10778.7	10996.8	12254.7	11318.4
47.5°	8866.6	8888.6	9355.7	9948.2	10514.4	10875.6	10983.6	10996.8	11151.0	12424.3	11565.2
50°	8849.0	8893.1	9419.5	10073.8	10721.4	11146.6	11362.5	11384.5	11466.0	12673.2	11853.7
52.5°	9005.4	9025.2	9556.1	10223.6	11016.6	11646.7	12021.1	12052.0	12014.5	12860.4	12025.6
55°	8745.5	8840.2	9386.5	10201.6	11466.0	12419.9	12997.0	12981.6	12512.4	13069.7	12311.9
57.5°	7073.5	7212.2	7712.3	8659.5	10725.9	12961.8	13726.2	13688.7	12897.9	13230.5	12622.5
60°	4897.0	4919.0	5370.6	6042.5	8278.4	11450.6	13512.5	13594.0	12968.4	13027.9	12047.6
62.5°	3916.7	3910.1	3952.0	3969.6	5264.9	8049.3	10666.4	10963.8	10774.3	10150.9	8538.4
65°	3344.0	3368.2	3491.6	3427.7	3436.5	4533.5	6372.9	6414.8	6282.6	6057.9	4515.9
67.5°	2617.0	2658.9	2877.0	3125.9	3046.6	2918.8	3306.5	3286.7	2590.6	2004.6	1656.6
70°	1638.9	1665.4	1898.9	2454.0	2652.3	2396.7	2125.8	2117.0	1387.8	1141.1	1251.2
72.5°	956.1	960.5	1026.5	1368.0	1760.1	1638.9	1564.0	1506.8	892.2	909.8	997.9
75°	526.5	526.5	524.3	590.4	693.9	614.6	594.8	579.4	597.0	676.3	742.4
77.5°	110.1	112.3	119.0	156.4	202.7	246.7	310.6	312.8	389.9	451.6	504.5
80°	50.7	52.9	66.1	83.7	107.9	143.2	189.4	191.7	235.7	284.2	319.4
82.5°	26.4	28.6	35.2	44.1	57.3	74.9	105.7	105.7	141.0	167.4	189.4
85°	8.8	8.8	13.2	17.6	24.2	30.8	41.9	41.9	61.7	81.5	94.7
87.5°	0.0	0.0	0.0	0.0	2.2	4.4	8.8	8.8	11.0	13.2	22.0
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°	9879.9	9879.9	9879.9	9879.9	9879.9	9879.9	9879.9	9879.9	9879.9	9879.9	9879.9
2.5°	9835.9	9767.6	9769.8	9783.0	9741.2	9677.3	9635.4	9582.6	9549.5	9542.9	9567.1
5°	9694.9	9615.6	9560.5	9503.3	9384.3	9243.3	9133.2	9042.8	8983.4	8961.3	8934.9
7.5°	9501.0	9397.5	9258.7	9097.9	8882.0	8630.9	8454.7	8289.5	8174.9	8141.9	8126.4
10°	9307.2	9157.4	8910.7	8611.1	8252.0	7912.8	7593.3	7348.8	7155.0	7044.8	7080.1
12.5°	9106.7	8921.7	8536.2	8075.8	7575.7	7064.7	6646.1	6240.8	5928.0	5771.6	5725.3
15°	8930.5	8679.4	8141.9	7518.4	6853.2	6209.9	5604.1	4996.1	4599.6	4383.7	4324.3
17.5°	8780.7	8454.7	7725.5	6950.1	6154.9	5238.5	4493.9	3929.9	3659.0	3540.0	3531.2
20°	8633.1	8234.4	7313.6	6337.7	5348.6	4322.1	3656.8	3392.4	3295.5	3253.7	3251.5
22.5°	8500.9	8003.1	6879.6	5725.3	4546.8	3632.6	3266.9	3152.3	3125.9	3125.9	3121.5
25°	8388.6	7771.8	6434.6	5075.4	3822.0	3233.8	3064.2	3015.8	3026.8	3046.6	3048.8
27.5°	8342.3	7591.1	6005.1	4408.0	3322.0	3002.5	2925.4	2918.8	2949.7	2980.5	2984.9
30°	8390.8	7467.8	5564.5	3769.1	3022.4	2861.5	2826.3	2839.5	2877.0	2907.8	2907.8
32.5°	8540.6	7406.1	5115.1	3302.1	2848.3	2762.4	2751.4	2764.6	2793.3	2810.9	2813.1
35°	8793.9	7430.3	4650.3	2987.1	2736.0	2689.7	2687.5	2696.3	2707.3	2718.4	2720.6
37.5°	9113.3	7538.3	4152.4	2804.3	2663.3	2636.9	2632.4	2630.2	2632.4	2632.4	2634.7
40°	9426.1	7701.3	3707.5	2696.3	2612.6	2590.6	2579.6	2564.2	2562.0	2557.6	2555.3
42.5°	9657.5	7826.9	3352.8	2619.2	2566.4	2539.9	2526.7	2502.5	2500.3	2498.1	2495.9
45°	9831.5	7932.6	3057.6	2544.3	2517.9	2493.7	2465.0	2443.0	2447.4	2451.8	2451.8
47.5°	10027.5	8025.1	2841.7	2473.8	2458.4	2434.2	2398.9	2383.5	2398.9	2414.4	2414.4
50°	10265.4	8155.1	2665.5	2403.3	2396.7	2368.1	2337.3	2330.7	2348.3	2370.3	2370.3
52.5°	10439.5	8267.4	2539.9	2332.9	2332.9	2295.4	2269.0	2266.8	2286.6	2308.6	2310.8
55°	10765.5	8529.6	2495.9	2251.3	2242.5	2213.9	2194.1	2178.7	2202.9	2222.7	2222.7
57.5°	11133.4	8877.6	2506.9	2134.6	2123.6	2114.8	2099.4	2081.7	2088.3	2110.4	2112.6
60°	10353.6	8203.5	2385.7	2017.8	2011.2	2006.8	1987.0	1956.2	1965.0	1982.6	1984.8
62.5°	7232.1	5452.1	1929.7	1872.5	1894.5	1892.3	1865.8	1830.6	1832.8	1857.0	1857.0
65°	3753.7	2949.7	1694.0	1740.3	1773.3	1760.1	1716.0	1685.2	1680.8	1711.6	1705.0
67.5°	1619.1	1610.3	1542.0	1601.5	1636.7	1608.1	1561.8	1511.2	1515.6	1526.6	1517.8
70°	1304.1	1343.8	1372.4	1436.3	1464.9	1412.0	1361.4	1332.7	1308.5	1306.3	1290.9
72.5°	1042.0	1097.0	1160.9	1227.0	1235.8	1182.9	1119.1	1092.6	1055.2	1053.0	1037.6
75°	784.2	830.5	881.2	934.0	934.0	883.4	841.5	828.3	784.2	771.0	757.8
77.5°	535.3	563.9	603.6	616.8	630.0	610.2	568.3	546.3	495.6	482.4	464.8
80°	337.0	356.9	381.1	389.9	403.1	378.9	345.9	321.6	286.4	275.4	266.5
82.5°	202.7	215.9	231.3	235.7	246.7	229.1	198.3	180.6	160.8	152.0	145.4
85°	103.5	110.1	119.0	121.2	119.0	101.3	90.3	81.5	68.3	66.1	61.7
87.5°	26.4	30.8	33.0	30.8	28.6	22.0	15.4	11.0	4.4	4.4	2.2
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)