

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: P640285

Luminaire Tested: GWS-SA5D-750-U-SL2-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640285
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-29)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-750-U-SL2-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II 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: 26172.6 lumens
Efficiency: N/A
Efficacy: 127.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

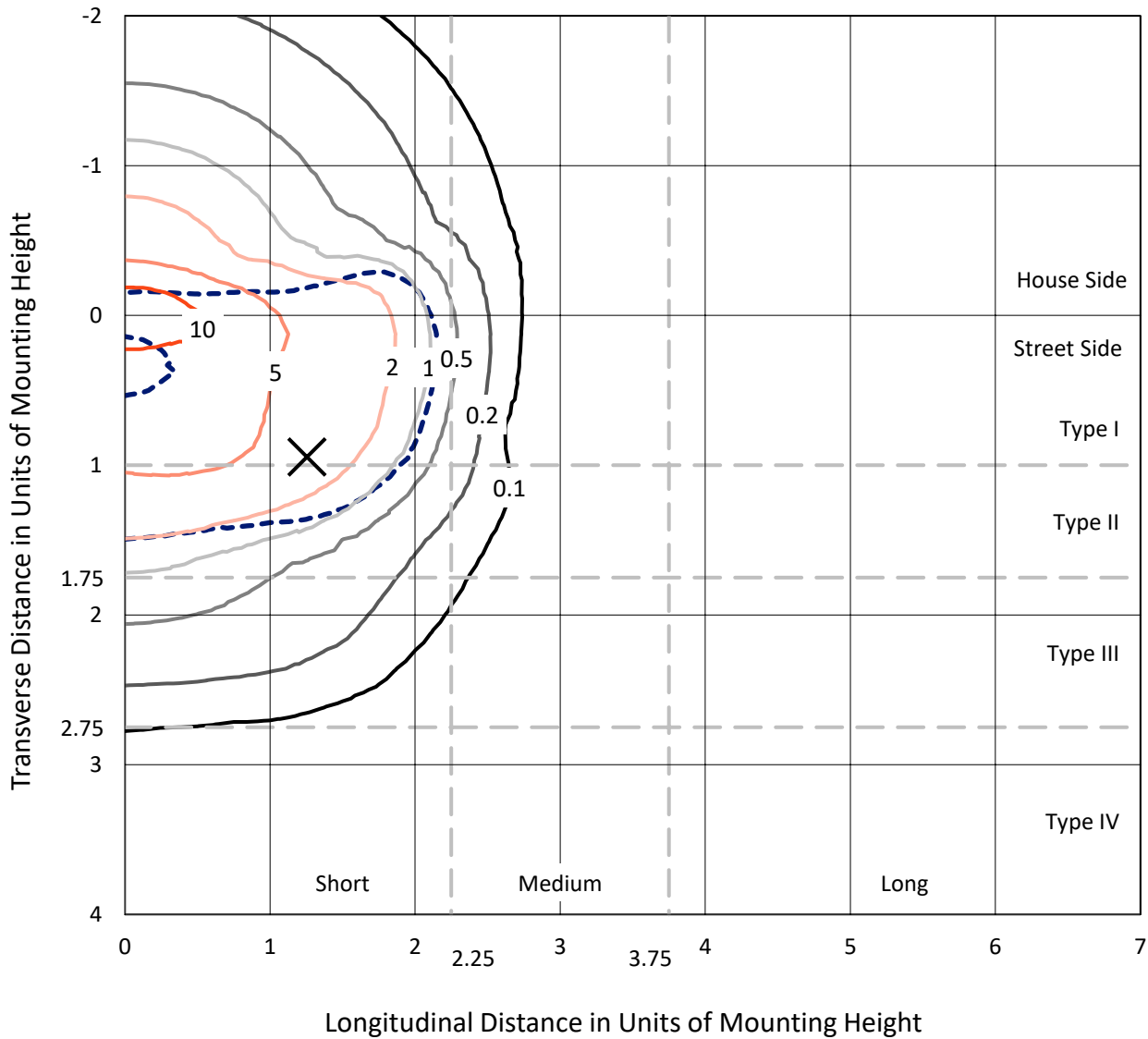
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640285
 CATALOG NUMBER: GWS-SA5D-750-U-SL2-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

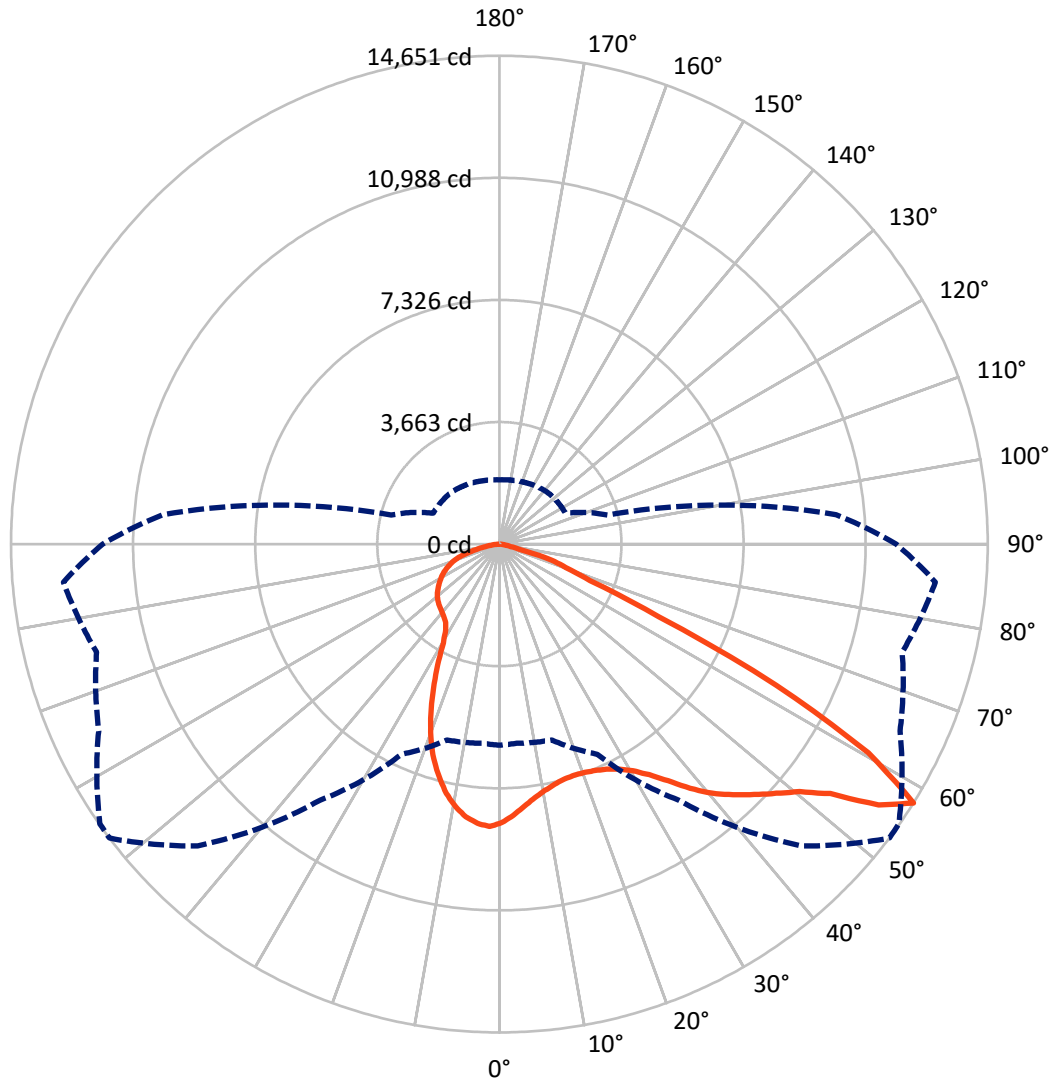
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.4 fc
 Type II - Short - N/A

REPORT NUMBER: P640285
CATALOG NUMBER: GWS-SA5D-750-U-SL2-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P640285

CATALOG NUMBER: GWS-SA5D-750-U-SL2-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8183.2	0.0	8183.2
	% Fixture	31.3	0.0	31.3
Street Side	Lumens	17989.4	0.0	17989.4
	% Fixture	68.7	0.0	68.7
Total	Lumens	26172.6	0.0	26172.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	755.8	2.9
10°-20°	1982.8	7.6
20°-30°	2921.4	11.2
30°-40°	4089.2	15.6
40°-50°	5375.5	20.5
50°-60°	6302.8	24.1
60°-70°	3713.1	14.2
70°-80°	923.7	3.5
80°-90°	108.4	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°	26172.6	100.0
0°-180°	26172.6	100.0

Coefficient of Utilization



REPORT NUMBER: P640285

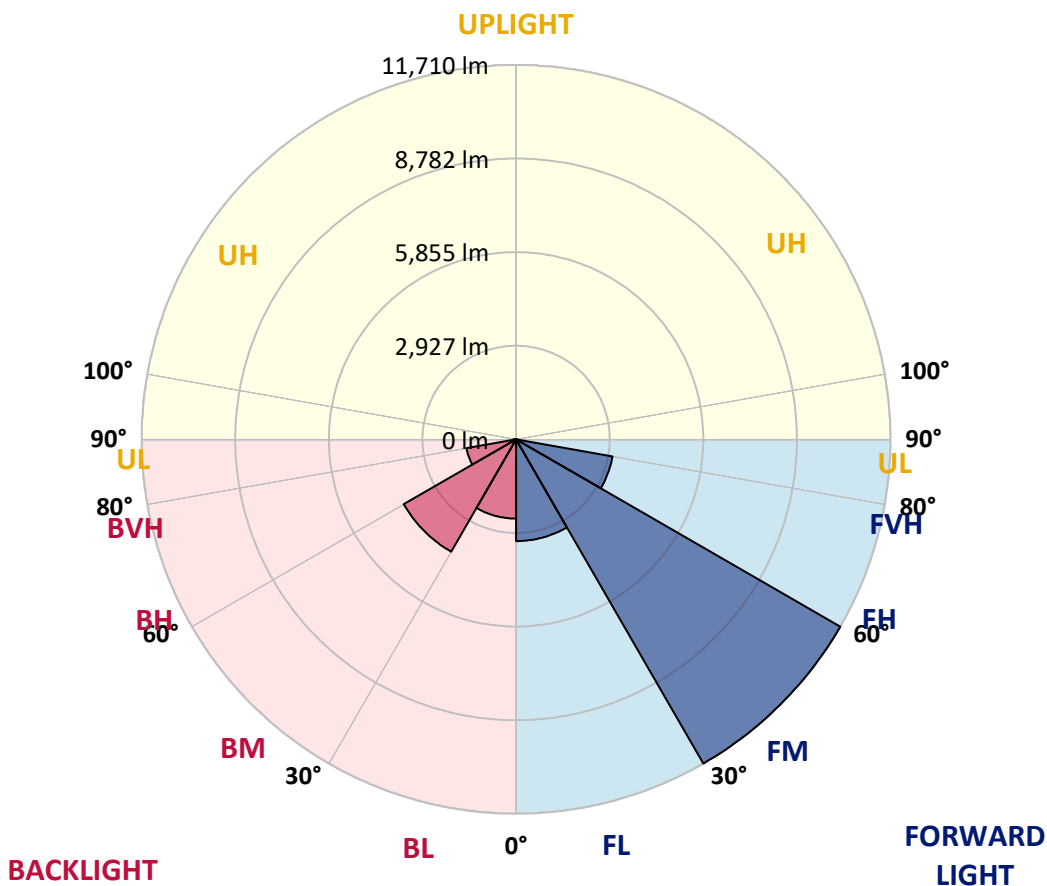
CATALOG NUMBER: GWS-SA5D-750-U-SL2-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3182.1	12.2			
FM (30°-60°)	11709.9	44.7			
FH (60°-80°)	3061.2	11.7			G2/5000
FVH (80°-90°)	36.3	0.1			G1/100
BL (0°-30°)	2477.9	9.5	B3/2500		
BM (30°-60°)	4057.7	15.5	B3/5000		
BH (60°-80°)	1575.5	6.0	B3/2500		G3/2500
BVH (80°-90°)	72.1	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





REPORT NUMBER: P640285

CATALOG NUMBER: GWS-SA5D-750-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	8357.6	8357.6	8357.6	8357.6	8357.6	8357.6	8357.6	8357.6	8357.6	8357.6	8357.6
2.5°	7877.4	7899.4	7903.8	7972.1	7976.5	8075.7	8141.7	8128.5	8196.8	8280.5	8346.6
5°	7500.7	7502.9	7524.9	7606.4	7650.5	7780.5	7890.6	7890.6	8022.8	8194.6	8342.2
7.5°	7190.1	7187.9	7207.7	7298.0	7370.7	7527.1	7676.9	7694.6	7879.6	8130.7	8370.8
10°	6901.5	6917.0	6939.0	7049.1	7141.6	7335.5	7513.9	7542.6	7776.1	8086.7	8410.5
12.5°	6716.5	6718.7	6751.7	6875.1	6994.1	7201.1	7388.4	7423.6	7692.4	8044.8	8439.1
15°	6597.5	6599.7	6635.0	6771.6	6910.3	7119.6	7311.3	7350.9	7643.9	8038.2	8494.2
17.5°	6544.7	6542.5	6575.5	6712.1	6864.1	7082.2	7287.0	7335.5	7665.9	8088.9	8591.1
20°	6544.7	6546.9	6564.5	6687.9	6842.1	7073.4	7311.3	7370.7	7751.8	8203.4	8740.9
22.5°	6637.2	6646.0	6654.8	6738.5	6859.7	7086.6	7375.1	7454.4	7936.9	8395.1	8937.0
25°	6817.8	6820.0	6828.8	6897.1	6952.2	7124.0	7480.9	7599.8	8225.4	8674.8	9183.7
27.5°	7060.1	7091.0	7099.8	7143.8	7143.8	7216.5	7646.1	7817.9	8615.4	9078.0	9498.7
30°	7399.4	7410.4	7425.8	7474.3	7421.4	7390.6	7888.4	8108.7	9066.9	9564.8	9877.6
32.5°	7696.8	7721.0	7804.7	7884.0	7789.3	7692.4	8245.3	8505.2	9500.9	10071.4	10280.7
35°	7950.1	8009.6	8170.4	8346.6	8280.5	8183.6	8718.9	8989.8	9857.8	10434.9	10637.6
37.5°	8256.3	8302.5	8522.8	8809.2	8868.7	8822.4	9296.0	9489.9	10095.7	10527.4	10831.4
40°	8566.9	8637.4	8921.5	9318.1	9545.0	9578.0	9829.1	9959.1	10177.2	10346.8	10794.0
42.5°	8884.1	9005.3	9395.2	9857.8	10260.9	10335.8	10278.5	10333.6	10150.7	10097.9	10619.9
45°	9271.8	9415.0	9855.6	10445.9	10976.8	11093.6	10719.1	10668.4	10146.3	10003.1	10512.0
47.5°	9730.0	9873.2	10293.9	10981.2	11659.7	11745.6	11170.7	11078.1	10300.5	10148.5	10657.4
50°	10135.3	10234.4	10611.1	11379.9	12296.3	12347.0	11668.5	11556.2	10683.8	10551.7	11111.2
52.5°	9723.4	9712.4	10108.9	11056.1	12626.7	13236.9	12435.1	12327.2	11424.0	11221.3	11813.9
55°	8249.7	8124.1	8478.8	9410.6	11703.7	14027.8	13809.7	13593.8	12410.9	11895.4	12472.5
57.5°	6031.4	5996.2	6082.1	6956.6	9375.3	12803.0	14651.2	14631.3	13263.4	12512.2	13129.0
60°	4716.3	4663.4	4434.3	4458.6	6390.5	10000.9	12714.9	13298.6	13792.1	12882.3	13587.2
62.5°	4187.6	4148.0	4029.0	3700.8	3806.5	6705.5	9320.3	9855.6	12051.8	11377.7	11670.7
65°	3467.3	3456.3	3555.4	3542.2	3189.7	3703.0	5260.4	5800.1	7577.8	7672.5	7577.8
67.5°	2520.1	2500.2	2751.4	3247.0	3070.8	2795.4	2932.0	3119.2	3885.8	3489.3	3141.3
70°	1638.9	1610.3	1755.7	2346.0	2749.2	2436.4	2112.5	2081.7	2136.8	1328.3	1436.3
72.5°	1099.2	1066.2	1064.0	1290.9	1660.9	1641.1	1636.7	1621.3	1447.3	1048.6	1163.1
75°	612.4	586.0	579.3	557.3	594.8	605.8	645.4	667.5	722.5	795.2	881.1
77.5°	103.5	101.3	127.8	163.0	224.7	288.6	356.9	376.7	464.8	550.7	605.8
80°	57.3	59.5	77.1	94.7	125.6	171.8	220.3	233.5	286.4	332.6	376.7
82.5°	30.8	30.8	39.7	50.7	68.3	90.3	119.0	130.0	165.2	193.9	224.7
85°	11.0	11.0	15.4	19.8	28.6	37.4	46.3	52.9	72.7	99.1	112.3
87.5°	0.0	0.0	0.0	0.0	2.2	4.4	8.8	8.8	11.0	19.8	28.6
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: P640285

CATALOG NUMBER: GWS-SA5D-750-U-SL2-W-GRSWH

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8357.6	8357.6	8357.6	8357.6	8357.6	8357.6	8357.6	8357.6	8357.6	8357.6	8357.6
2.5°	8401.7	8342.2	8423.7	8461.2	8474.4	8483.2	8425.9	8386.3	8373.0	8331.2	8307.0
5°	8432.5	8392.9	8470.0	8470.0	8414.9	8357.6	8240.9	8159.4	8102.1	8033.8	8022.8
7.5°	8485.4	8456.7	8498.6	8412.7	8273.9	8119.7	7917.0	7758.4	7630.7	7547.0	7549.2
10°	8555.9	8520.6	8487.6	8295.9	8042.6	7758.4	7447.8	7216.5	7005.1	6908.1	6855.3
12.5°	8602.1	8551.5	8412.7	8095.5	7723.2	7342.1	6903.7	6560.1	6253.9	6115.1	6104.1
15°	8659.4	8566.9	8289.3	7835.5	7317.9	6798.0	6234.1	5756.1	5341.9	5126.0	5115.0
17.5°	8734.3	8582.3	8141.7	7538.2	6890.5	6123.9	5414.6	4813.2	4372.7	4205.2	4233.9
20°	8840.0	8599.9	7974.3	7207.7	6359.6	5357.3	4474.0	3921.1	3751.5	3740.4	3718.4
22.5°	8959.0	8610.9	7789.3	6837.7	5716.4	4540.1	3696.4	3460.7	3458.5	3513.5	3526.8
25°	9093.4	8619.8	7580.0	6405.9	5020.3	3725.0	3269.0	3198.5	3253.6	3357.1	3370.4
27.5°	9265.2	8637.4	7326.7	5932.3	4280.1	3218.4	3033.3	3015.7	3081.8	3178.7	3174.3
30°	9518.5	8701.3	7057.9	5388.2	3520.2	2978.3	2890.1	2892.3	2918.8	2965.0	2971.6
32.5°	9776.3	8800.4	6795.8	4775.8	3084.0	2841.7	2802.0	2797.6	2797.6	2817.4	2821.9
35°	10020.8	8912.7	6511.6	4137.0	2872.5	2762.4	2735.9	2722.7	2716.1	2711.7	2705.1
37.5°	10157.3	8967.8	6234.1	3506.9	2760.2	2709.5	2683.1	2665.5	2641.2	2623.6	2619.2
40°	10097.9	8903.9	5912.5	3035.5	2691.9	2658.8	2628.0	2603.8	2570.7	2555.3	2546.5
42.5°	9899.6	8705.7	5562.2	2813.0	2636.8	2603.8	2566.3	2526.7	2504.6	2491.4	2489.2
45°	9690.3	8465.6	5139.3	2683.1	2583.9	2544.3	2500.2	2456.2	2431.9	2425.3	2423.1
47.5°	9683.7	8346.6	4689.9	2579.5	2520.1	2480.4	2425.3	2381.3	2354.8	2346.0	2337.2
50°	9974.5	8467.8	4183.2	2489.2	2454.0	2412.1	2350.4	2302.0	2268.9	2257.9	2255.7
52.5°	10578.1	8923.8	3729.4	2398.9	2365.9	2317.4	2266.7	2218.3	2178.6	2158.8	2156.6
55°	11230.1	9503.1	3447.5	2306.4	2262.3	2220.5	2174.2	2121.3	2077.3	2046.4	2042.0
57.5°	11904.2	10135.3	3361.6	2189.6	2156.6	2128.0	2072.9	2015.6	1964.9	1936.3	1929.7
60°	12459.3	10679.4	3522.4	2066.3	2048.7	2011.2	1960.5	1905.5	1870.2	1848.2	1843.8
62.5°	10430.5	8694.7	2843.9	1931.9	1931.9	1892.2	1835.0	1795.3	1771.1	1755.7	1751.3
65°	6619.6	5383.8	1940.7	1797.5	1795.3	1742.5	1694.0	1667.6	1656.5	1632.3	1627.9
67.5°	2883.5	2460.6	1658.7	1660.9	1652.1	1594.9	1546.4	1526.6	1504.5	1478.1	1475.9
70°	1495.7	1524.4	1484.7	1509.0	1493.5	1425.2	1379.0	1348.1	1301.9	1275.5	1277.7
72.5°	1207.2	1238.0	1282.1	1319.5	1286.5	1231.4	1158.7	1121.3	1061.8	1033.1	1035.3
75°	920.8	953.8	995.7	1035.3	1008.9	940.6	894.4	856.9	788.6	755.6	762.2
77.5°	634.4	652.0	702.7	700.5	691.7	671.9	603.6	559.5	489.0	449.4	453.8
80°	394.3	405.3	429.6	440.6	436.2	409.7	354.7	321.6	279.8	255.5	257.7
82.5°	237.9	244.5	266.5	268.7	266.5	246.7	204.9	180.6	154.2	141.0	141.0
85°	121.2	125.6	138.8	138.8	125.6	105.7	94.7	83.7	68.3	61.7	61.7
87.5°	33.0	33.0	41.9	35.2	28.6	26.4	13.2	11.0	4.4	2.2	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)