

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: P640287

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640287
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-SA5D-750-U-SL2-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30197.3 lumens
Efficiency: N/A
Efficacy: 147.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

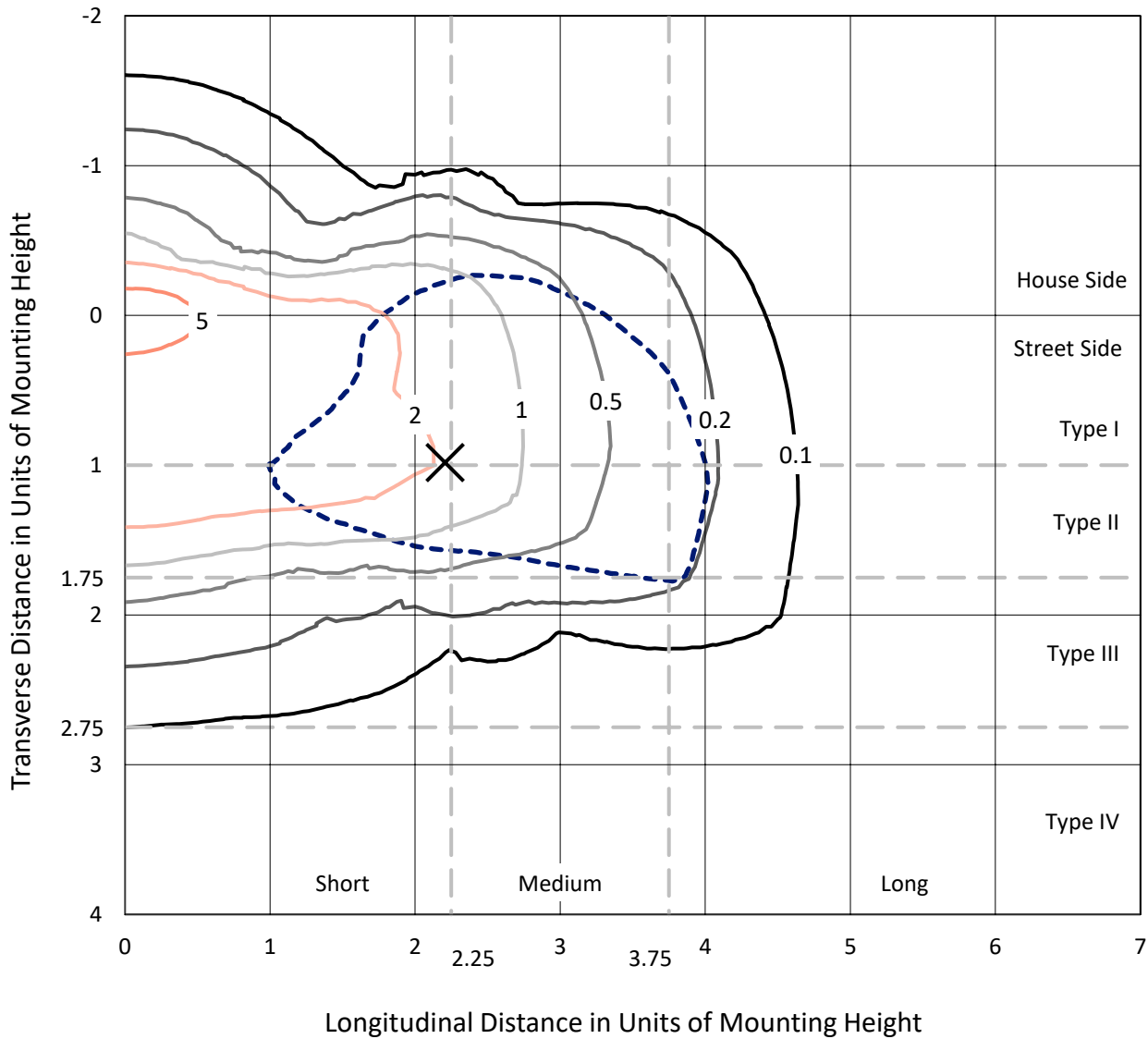
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640287
 CATALOG NUMBER: GWS-SA5D-750-U-SL2-W

Iso-Footcandle Lines of Horizontal Illumination

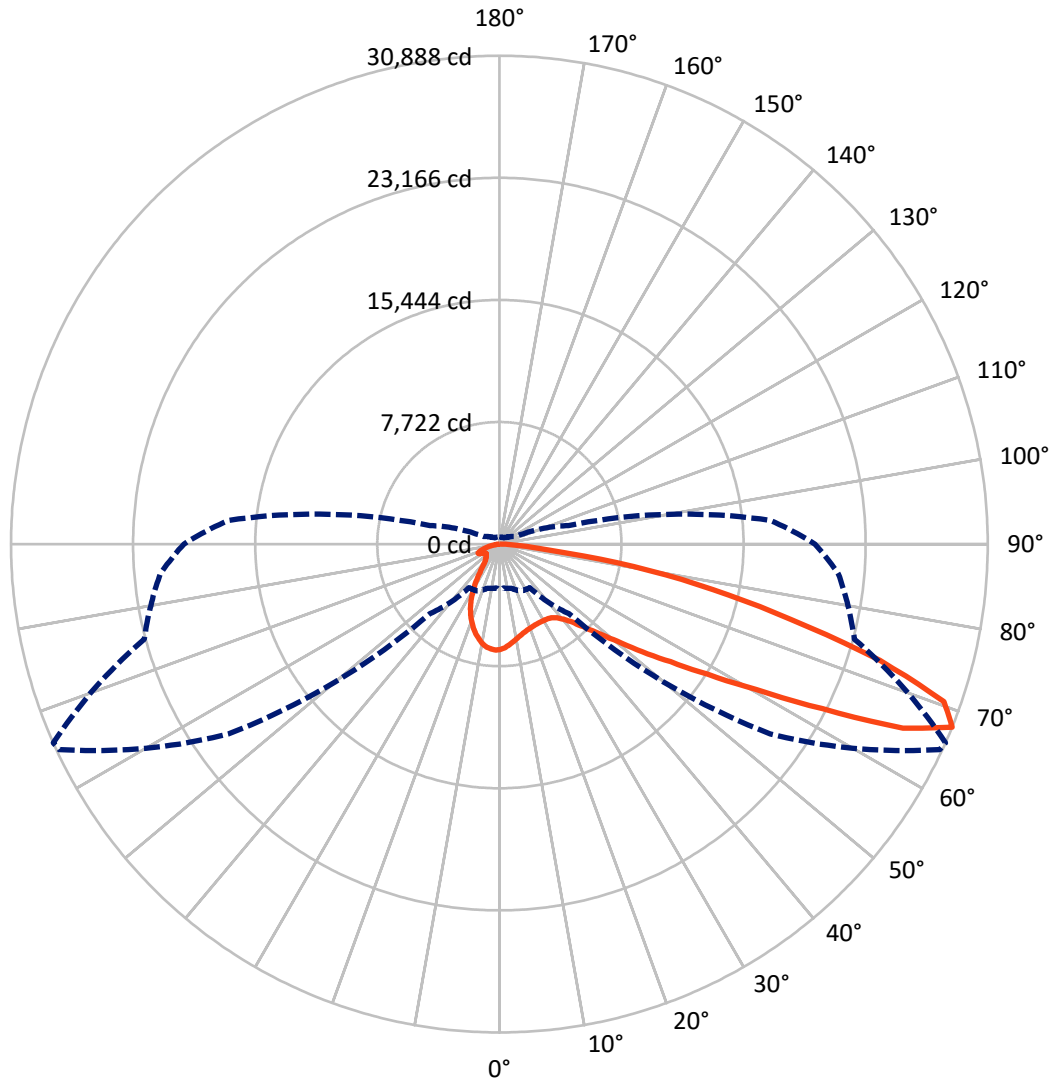
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.4 fc
 Type II - Short - N/A

REPORT NUMBER: P640287
CATALOG NUMBER: GWS-SA5D-750-U-SL2-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P640287

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6127.7	0.0	6127.7
	% Fixture	20.3	0.0	20.3
Street Side	Lumens	24069.6	0.0	24069.6
	% Fixture	79.7	0.0	79.7
Total	Lumens	30197.3	0.0	30197.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	585.6	1.9
10°-20°	1439.2	4.8
20°-30°	1978.3	6.6
30°-40°	2704.6	9.0
40°-50°	4098.2	13.6
50°-60°	6370.7	21.1
60°-70°	7756.3	25.7
70°-80°	4724.7	15.6
80°-90°	539.7	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°	30197.3	100.0
0°-180°	30197.3	100.0

Coefficient of Utilization



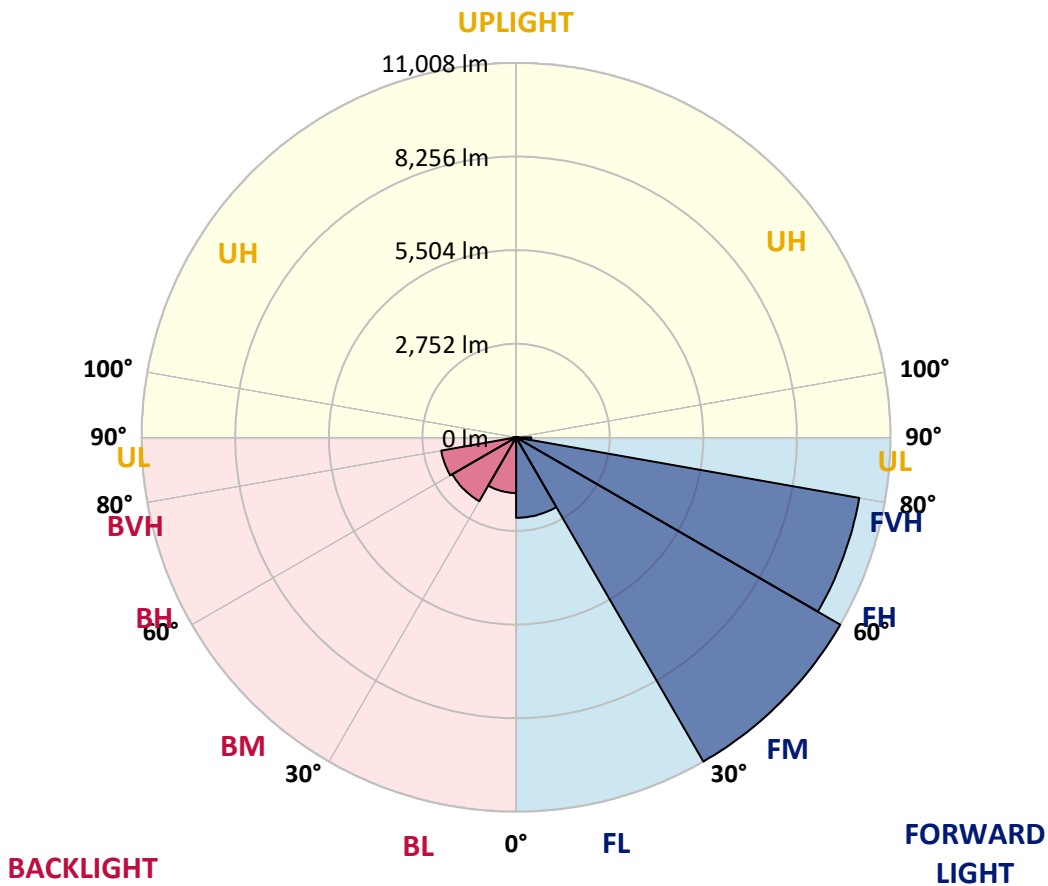
REPORT NUMBER: P640287

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

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2366.1	7.8			
FM (30°-60°)	11008.1	36.5			
FH (60°-80°)	10246.7	33.9			G4/12000
FVH (80°-90°)	448.7	1.5			G3/500
BL (0°-30°)	1637.0	5.4	B3/2500		
BM (30°-60°)	2165.5	7.2	B2/2500		
BH (60°-80°)	2234.3	7.4	B3/2500		G3/2500
BVH (80°-90°)	91.0	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-G4
 Type II Short





REPORT NUMBER: P640287
 CATALOG NUMBER: GWS-SA5D-750-U-SL2-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	6672.7	6672.7	6672.7	6672.7	6672.7	6672.7	6672.7	6672.7	6672.7	6672.7	6672.7
2.5°	6249.8	6271.8	6258.6	6342.3	6346.7	6452.5	6511.9	6562.6	6567.0	6633.1	6677.2
5°	5822.4	5835.6	5835.6	5914.9	5967.8	6108.8	6245.4	6390.8	6401.8	6560.4	6681.6
7.5°	5476.5	5489.8	5480.9	5586.7	5655.0	5811.4	5985.4	6207.9	6230.0	6485.5	6697.0
10°	5205.6	5201.2	5223.2	5320.1	5408.3	5595.5	5789.4	6042.7	6075.7	6399.6	6714.6
12.5°	5020.5	5024.9	5038.2	5139.5	5234.2	5419.3	5619.7	5895.1	5930.4	6300.4	6705.8
15°	4932.4	4923.6	4934.6	5027.1	5117.5	5280.5	5487.6	5771.7	5807.0	6212.3	6708.0
17.5°	4912.6	4906.0	4903.8	4969.9	5038.2	5190.2	5388.4	5677.0	5714.5	6155.1	6721.2
20°	4974.3	4965.5	4941.2	4969.9	4998.5	5126.3	5317.9	5608.7	5650.6	6117.6	6747.6
22.5°	5143.9	5128.5	5091.0	5055.8	5018.3	5095.4	5273.9	5558.1	5599.9	6093.4	6774.1
25°	5401.6	5388.4	5348.8	5269.5	5132.9	5119.7	5265.1	5536.0	5577.9	6075.7	6785.1
27.5°	5756.3	5736.5	5696.8	5582.3	5359.8	5210.0	5298.1	5533.8	5573.5	6055.9	6774.1
30°	6177.1	6163.9	6141.8	6003.0	5705.6	5401.6	5373.0	5551.4	5582.3	6044.9	6752.1
32.5°	6604.5	6591.2	6608.9	6542.8	6177.1	5718.9	5536.0	5599.9	5621.9	6042.7	6732.2
35°	6981.2	6996.6	7124.4	7135.4	6776.3	6148.4	5793.8	5712.3	5716.7	6086.8	6741.0
37.5°	7375.5	7435.0	7602.4	7745.6	7446.0	6716.8	6177.1	5923.7	5919.3	6199.1	6796.1
40°	7897.6	7924.0	8137.7	8406.5	8219.2	7496.7	6721.2	6269.6	6238.8	6428.2	6943.7
42.5°	8406.5	8470.4	8811.8	9120.2	9058.5	8375.6	7406.3	6787.3	6732.2	6833.6	7247.7
45°	9054.1	9115.8	9499.1	9895.7	10008.0	9369.2	8283.1	7523.1	7468.0	7443.8	7805.1
47.5°	9701.8	9765.7	10109.4	10682.1	11076.4	10611.6	9424.2	8494.6	8404.3	8309.5	8646.6
50°	10138.0	10212.9	10541.1	11228.5	12153.7	12162.5	10776.8	9767.9	9653.3	9503.5	9831.8
52.5°	10122.6	10171.0	10483.9	11276.9	12929.1	13944.7	12587.7	11389.3	11296.7	10970.7	11257.1
55°	9327.3	9400.0	9715.0	10706.4	13012.8	15634.4	15248.8	13301.4	13136.2	12552.4	12867.5
57.5°	7730.2	7791.8	8109.1	9331.7	12270.5	16500.1	18628.2	15737.9	15511.0	14275.1	14638.6
60°	5835.6	5760.7	5910.5	6981.2	10494.9	16522.2	21611.0	19042.3	18663.4	16116.8	16420.8
62.5°	4379.5	4304.6	4337.6	4639.4	7115.5	15187.2	23311.7	23562.8	22937.2	18196.4	18136.9
65°	3460.8	3419.0	3513.7	3720.8	4148.2	11565.5	23324.9	28451.1	28056.8	20606.4	19897.1
67.5°	2819.8	2793.3	2890.3	3273.6	3363.9	6214.5	20914.8	30733.4	30887.6	23245.6	21529.5
70°	2271.2	2231.6	2383.6	2888.1	3128.2	3760.4	14982.3	29570.2	29819.2	24818.5	21069.0
72.5°	1568.5	1570.7	1647.8	2339.5	3020.2	3247.2	8474.8	24622.4	25162.1	23393.2	18522.4
75°	1057.4	1066.2	1088.3	1544.3	2782.3	3150.2	4516.1	18641.4	19022.5	19335.3	15310.5
77.5°	638.9	643.3	693.9	934.1	1918.8	2940.9	3059.9	13512.9	13812.5	12746.3	9490.3
80°	370.1	385.5	431.8	625.6	1295.3	2209.6	2368.2	8285.3	8624.6	5666.0	3015.8
82.5°	163.0	174.0	235.7	363.5	755.6	1879.1	1848.3	3273.6	3225.1	1579.5	1046.4
85°	28.6	35.2	50.7	114.6	277.6	991.3	1434.1	1445.1	1359.2	599.2	434.0
87.5°	0.0	0.0	0.0	0.0	0.0	6.6	215.9	387.7	385.5	169.6	149.8
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: P640287
 CATALOG NUMBER: GWS-SA5D-750-U-SL2-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6672.7	6672.7	6672.7	6672.7	6672.7	6672.7	6672.7	6672.7	6672.7	6672.7	6672.7
2.5°	6705.8	6646.3	6699.2	6705.8	6694.8	6686.0	6619.9	6562.6	6556.0	6494.3	6494.3
5°	6730.0	6674.9	6701.4	6650.7	6571.4	6489.9	6348.9	6252.0	6207.9	6128.6	6128.6
7.5°	6763.1	6705.8	6674.9	6549.4	6364.3	6185.9	5959.0	5769.5	5692.4	5580.1	5575.7
10°	6793.9	6721.2	6615.5	6370.9	6075.7	5791.6	5461.1	5192.4	5009.5	4875.1	4875.1
12.5°	6791.7	6697.0	6487.7	6126.4	5718.9	5306.9	4866.3	4461.0	4218.7	4009.4	3996.2
15°	6787.3	6657.3	6324.7	5842.2	5302.5	4731.9	4132.7	3604.0	3245.0	3040.1	3022.5
17.5°	6782.9	6606.7	6141.8	5518.4	4795.8	4018.2	3227.3	2654.6	2355.0	2229.4	2233.8
20°	6782.9	6549.4	5945.8	5146.1	4212.0	3163.4	2368.2	1951.8	1876.9	1883.5	1890.1
22.5°	6763.1	6478.9	5727.7	4740.8	3562.2	2326.3	1746.9	1606.0	1645.6	1707.3	1716.1
25°	6716.8	6362.1	5474.3	4291.4	2788.9	1694.1	1425.3	1398.9	1471.6	1548.7	1570.7
27.5°	6644.1	6227.7	5190.2	3764.8	2053.2	1361.4	1253.5	1251.3	1308.6	1365.8	1385.7
30°	6567.0	6077.9	4890.6	3178.9	1487.0	1185.2	1143.3	1143.3	1172.0	1207.2	1202.8
32.5°	6476.7	5925.9	4568.9	2568.6	1211.6	1086.1	1072.8	1066.2	1070.6	1083.9	1083.9
35°	6399.6	5791.6	4238.5	1923.2	1086.1	1031.0	1017.8	1002.3	995.7	986.9	991.3
37.5°	6370.9	5685.8	3897.0	1449.5	1024.4	991.3	969.3	947.3	931.8	927.4	925.2
40°	6417.2	5641.8	3555.6	1194.0	980.3	949.5	925.2	896.6	883.4	883.4	883.4
42.5°	6597.8	5674.8	3207.5	1079.4	949.5	914.2	879.0	852.5	848.1	852.5	854.7
45°	6928.3	5802.6	2846.2	1022.2	923.0	879.0	837.1	817.3	817.3	821.7	821.7
47.5°	7518.7	6137.4	2489.3	986.9	896.6	850.3	806.3	786.5	784.3	788.7	788.7
50°	8540.9	6741.0	2167.7	962.7	876.8	828.3	784.3	757.8	751.2	749.0	749.0
52.5°	9829.6	7787.4	1962.8	945.1	852.5	804.1	760.0	724.8	711.6	704.9	704.9
55°	11387.1	9181.9	1962.8	931.8	821.7	775.4	724.8	689.5	669.7	660.9	660.9
57.5°	13151.6	10805.5	2302.1	920.8	797.5	742.4	687.3	652.1	630.0	616.8	616.8
60°	14947.0	12521.6	3141.4	905.4	775.4	700.5	645.5	612.4	583.8	568.4	566.2
62.5°	16808.5	14411.7	4247.3	914.2	760.0	660.9	601.4	564.0	539.7	524.3	522.1
65°	18513.6	16211.5	5214.4	982.5	762.2	625.6	550.7	517.7	497.9	478.0	475.8
67.5°	19961.0	17205.1	4535.9	1121.3	808.5	583.8	500.1	467.0	449.4	436.2	434.0
70°	18947.6	15689.4	2573.0	1207.2	872.4	539.7	442.8	420.8	403.1	394.3	392.1
72.5°	16202.7	13283.8	1720.5	1066.2	795.3	482.4	389.9	372.3	359.1	348.1	345.9
75°	13125.2	10534.5	1315.2	874.6	619.0	392.1	334.8	321.6	308.4	297.4	295.2
77.5°	7765.4	6086.8	969.3	691.7	436.2	306.2	277.6	266.6	253.3	244.5	242.3
80°	2478.3	2114.8	614.6	475.8	288.6	235.7	213.7	204.9	191.7	180.6	178.4
82.5°	945.1	817.3	326.0	242.3	191.7	160.8	143.2	134.4	125.6	114.6	112.4
85°	418.6	392.1	180.6	130.0	103.5	79.3	70.5	66.1	55.1	46.3	44.1
87.5°	147.6	147.6	77.1	37.5	22.0	11.0	6.6	2.2	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)