

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: P640786

Luminaire Tested: GWS-SA5E-750-U-SL3-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640786
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-31)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5E-750-U-SL3-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37626 lumens
Efficiency: N/A
Efficacy: 139.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

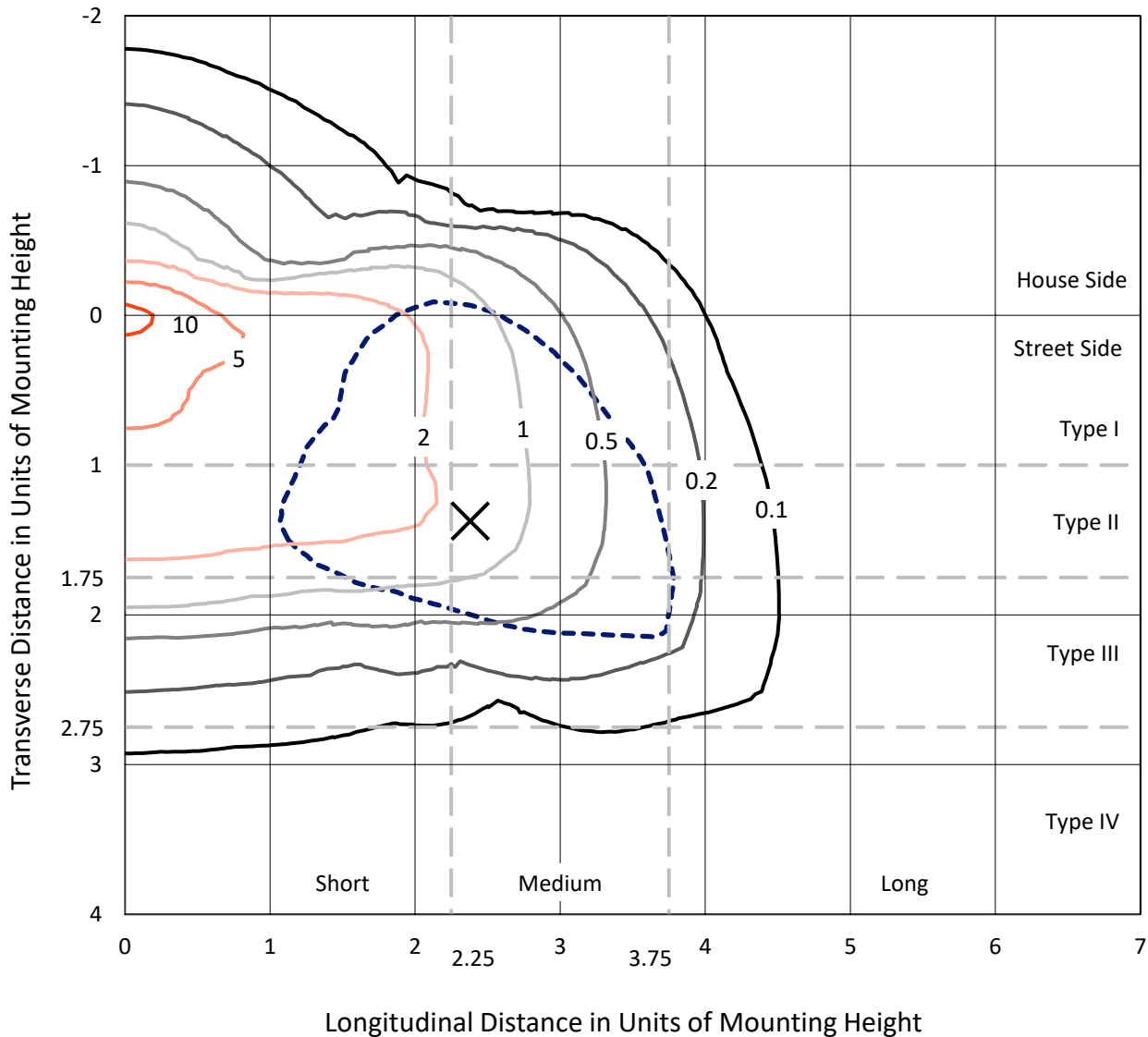
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640786
 CATALOG NUMBER: GWS-SA5E-750-U-SL3-W

Iso-Footcandle Lines of Horizontal Illumination

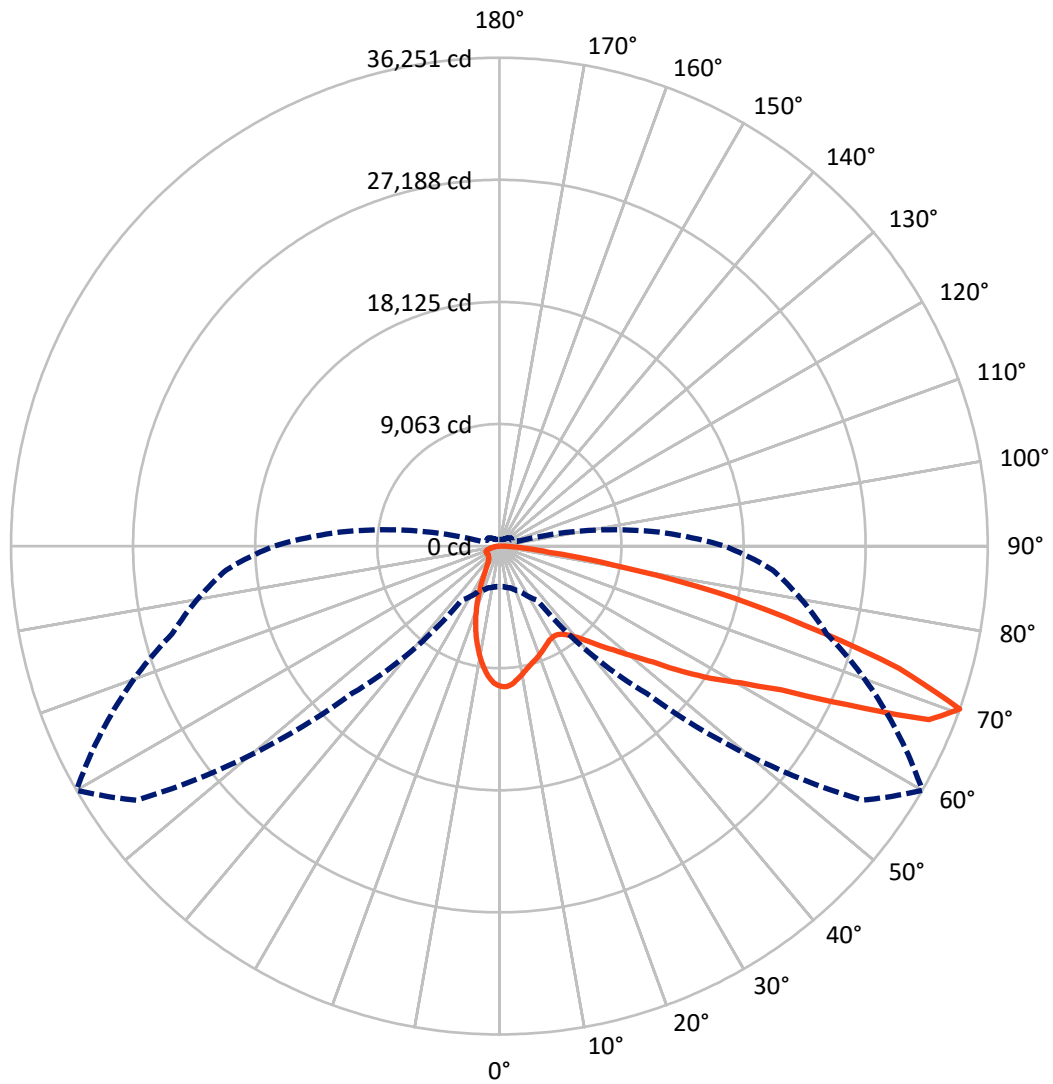
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 11.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P640786
CATALOG NUMBER: GWS-SA5E-750-U-SL3-W

Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P640786

CATALOG NUMBER: GWS-SA5E-750-U-SL3-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6434.9	0.0	6434.9
	% Fixture	17.1	0.0	17.1
Street Side	Lumens	31191.1	0.0	31191.1
	% Fixture	82.9	0.0	82.9
Total	Lumens	37626.0	0.0	37626.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	897.4	2.4
10°-20°	2010.6	5.3
20°-30°	2574.9	6.8
30°-40°	3384.0	9.0
40°-50°	4909.6	13.0
50°-60°	7660.1	20.4
60°-70°	10028.6	26.7
70°-80°	5545.5	14.7
80°-90°	615.4	1.6
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°	37626.0	100.0
0°-180°	37626.0	100.0

Coefficient of Utilization



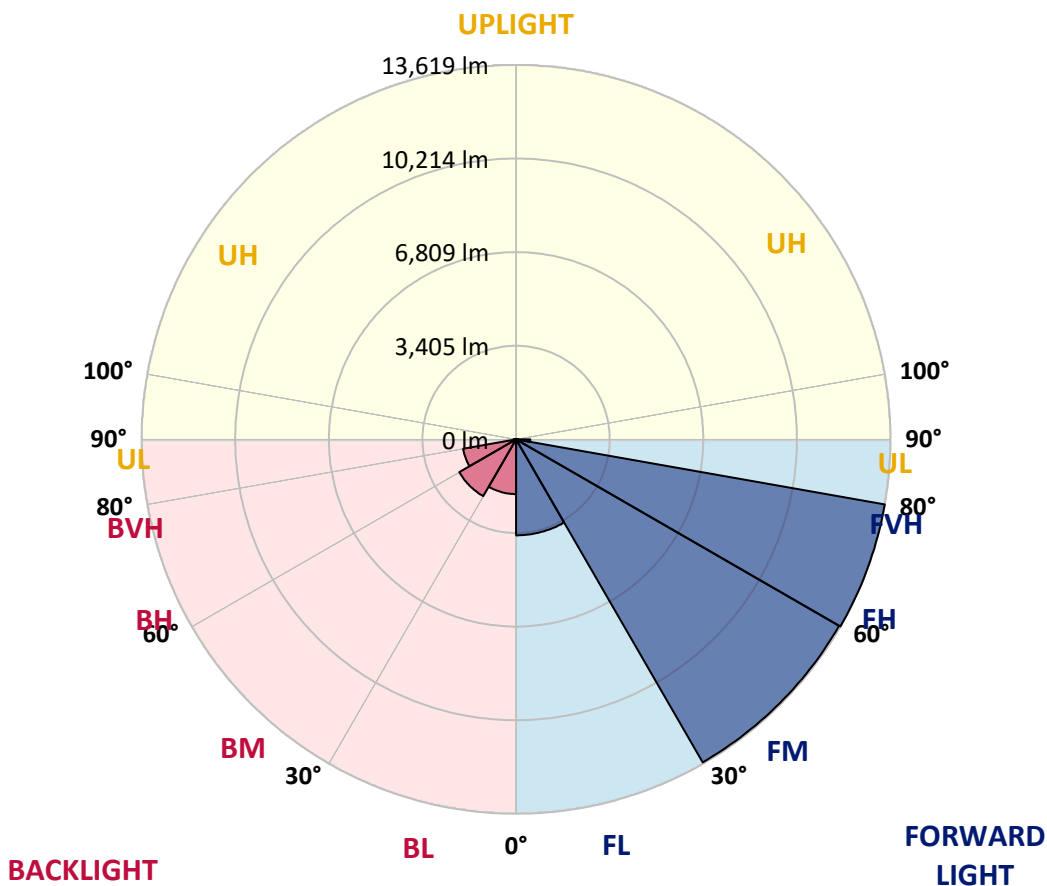
REPORT NUMBER: P640786

CATALOG NUMBER: GWS-SA5E-750-U-SL3-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3491.9	9.3			
FM (30°-60°)	13567.8	36.1			
FH (60°-80°)	13618.5	36.2			G5
FVH (80°-90°)	512.8	1.4			G4/750
BL (0°-30°)	1990.9	5.3	B3/2500		
BM (30°-60°)	2385.9	6.3	B2/2500		
BH (60°-80°)	1955.5	5.2	B3/2500		G3/2500
BVH (80°-90°)	102.6	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Medium





REPORT NUMBER: P640786

CATALOG NUMBER: GWS-SA5E-750-U-SL3-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	10411.6	10411.6	10411.6	10411.6	10411.6	10411.6	10411.6	10411.6	10411.6	10411.6	10411.6
2.5°	10265.7	10276.7	10307.0	10351.0	10395.1	10417.1	10472.2	10455.6	10444.6	10422.6	10395.1
5°	9811.5	9833.5	9861.0	9946.4	10042.7	10119.8	10243.7	10257.4	10262.9	10274.0	10229.9
7.5°	9233.3	9238.9	9304.9	9417.8	9544.4	9676.6	9883.0	9940.8	9990.4	10045.5	10009.7
10°	8594.7	8608.4	8658.0	8820.4	9037.9	9233.3	9511.4	9607.7	9712.4	9833.5	9783.9
12.5°	8071.6	8074.4	8154.2	8327.6	8564.4	8828.7	9175.5	9291.2	9428.8	9618.8	9574.7
15°	7655.9	7655.9	7730.2	7878.9	8151.4	8462.5	8875.5	9024.1	9211.3	9467.3	9390.3
17.5°	7325.6	7328.3	7375.1	7532.0	7774.3	8118.4	8608.4	8809.4	9015.9	9354.5	9238.9
20°	7152.1	7138.4	7146.6	7243.0	7449.4	7782.5	8341.4	8575.4	8853.4	9277.4	9101.2
22.5°	7143.9	7119.1	7083.3	7091.6	7212.7	7488.0	8055.1	8338.6	8688.3	9214.1	8960.8
25°	7284.3	7256.7	7193.4	7121.8	7110.8	7276.0	7785.3	8107.4	8517.6	9186.5	8825.9
27.5°	7521.0	7501.7	7419.2	7311.8	7198.9	7193.4	7581.6	7917.4	8393.7	9214.1	8729.6
30°	7834.9	7801.8	7749.5	7611.9	7441.2	7265.0	7501.7	7815.6	8311.1	9302.2	8688.3
32.5°	8190.0	8170.7	8121.2	7983.5	7801.8	7521.0	7565.1	7837.6	8311.1	9456.3	8696.5
35°	8567.1	8564.4	8564.4	8473.5	8272.6	7922.9	7815.6	8024.8	8437.7	9704.1	8784.6
37.5°	8933.3	8930.5	9018.6	9051.7	8823.2	8446.0	8242.3	8399.2	8715.8	10070.2	9002.1
40°	9230.6	9241.6	9434.3	9599.5	9472.9	9123.2	8836.9	8916.8	9167.3	10590.5	9382.0
42.5°	9530.7	9560.9	9850.0	10141.8	10191.4	9888.5	9599.5	9646.3	9814.2	11278.8	9949.1
45°	9858.3	9872.0	10276.7	10684.1	10923.6	10744.7	10508.0	10571.3	10609.8	12129.4	10794.3
47.5°	10174.8	10210.6	10733.7	11292.5	11746.8	11730.3	11598.1	11578.8	11587.1	13164.5	11793.6
50°	10607.1	10659.4	11273.3	11947.7	12613.9	12919.5	12958.1	12812.2	12751.6	14315.3	13037.9
52.5°	11427.4	11427.4	11978.0	12641.5	13536.2	14293.2	14552.0	14312.5	14119.8	15532.1	14359.3
55°	12454.3	12498.3	12936.0	13472.9	14607.1	15738.5	16614.0	16349.7	15804.6	16856.2	15744.0
57.5°	12911.3	12966.3	13660.1	14494.2	16008.3	17382.0	18596.1	18502.5	17706.9	18232.7	17181.1
60°	12085.4	12201.0	13156.3	14554.8	17277.4	20033.1	20889.3	20616.7	19479.8	19678.0	18739.2
62.5°	10081.2	10207.9	11267.8	13219.6	17101.2	22898.9	24503.9	23499.1	21693.1	21503.2	20814.9
65°	6015.2	6009.7	7284.3	9872.0	14929.2	23694.5	30224.5	28349.7	25112.3	24008.3	22951.2
67.5°	3823.8	3815.6	4082.6	5230.6	9935.3	21745.4	33902.4	34389.7	29756.5	25850.1	23127.4
70°	3017.2	3014.5	3207.2	3730.2	4914.0	15474.2	32878.3	36250.7	32561.7	25148.1	20363.5
72.5°	2199.6	2205.1	2502.4	3124.6	3790.8	7768.8	26623.6	31017.3	29949.2	22199.7	16531.4
75°	1580.2	1588.4	1767.4	2392.3	3496.2	4247.8	17704.1	23322.9	22786.0	17795.0	11372.4
77.5°	1004.8	1015.8	1172.8	1676.5	2824.5	3430.2	10733.7	16465.3	15160.4	10026.2	4044.1
80°	613.9	649.7	781.8	1249.8	2257.4	2574.0	5365.5	8674.5	7592.6	2750.2	1360.0
82.5°	316.6	344.1	470.8	773.6	1555.4	2260.2	3036.5	3644.9	2351.0	1150.7	724.0
85°	99.1	115.6	165.2	313.8	740.5	1401.2	2009.6	1811.4	1079.2	542.3	335.9
87.5°	24.8	24.8	27.5	27.5	30.3	63.3	388.2	410.2	286.3	170.7	137.6
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: P640786
 CATALOG NUMBER: GWS-SA5E-750-U-SL3-W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10411.6	10411.6	10411.6	10411.6	10411.6	10411.6	10411.6	10411.6	10411.6	10411.6	10411.6
2.5°	10340.0	10274.0	10246.4	10243.7	10174.8	10075.7	10009.7	9962.9	9935.3	9929.8	9929.8
5°	10155.6	10070.2	9957.4	9872.0	9687.6	9500.4	9343.5	9255.4	9153.5	9139.7	9137.0
7.5°	9910.6	9786.7	9572.0	9332.5	9010.4	8699.3	8435.0	8256.1	8077.1	8044.1	8033.1
10°	9646.3	9478.4	9112.2	8691.0	8209.3	7744.0	7339.3	7022.7	6813.5	6664.9	6637.3
12.5°	9384.8	9161.8	8624.9	7997.3	7336.6	6700.6	6092.2	5574.7	5200.3	4982.8	4944.3
15°	9139.7	8828.7	8093.6	7292.5	6433.6	5563.7	4702.0	4030.3	3504.5	3317.3	3273.2
17.5°	8916.8	8528.6	7578.8	6563.0	5492.1	4355.1	3375.1	2777.7	2469.4	2375.8	2353.8
20°	8693.8	8220.3	7055.8	5794.9	4492.8	3218.2	2466.6	2185.8	2070.2	2034.4	2023.4
22.5°	8454.3	7881.7	6485.9	5037.9	3482.5	2408.8	2017.9	1894.0	1858.2	1861.0	1858.2
25°	8214.8	7537.5	5888.5	4214.7	2593.3	1954.6	1761.9	1715.1	1723.3	1748.1	1753.6
27.5°	8016.5	7232.0	5302.2	3311.8	2026.2	1682.0	1591.2	1588.4	1618.7	1651.8	1657.3
30°	7873.4	6959.4	4724.0	2546.5	1668.3	1494.8	1459.1	1475.6	1511.4	1536.1	1544.4
32.5°	7771.5	6725.4	4107.4	2001.4	1461.8	1362.7	1346.2	1362.7	1384.7	1409.5	1415.0
35°	7735.7	6554.7	3501.7	1632.5	1321.4	1266.4	1255.3	1263.6	1274.6	1288.4	1293.9
37.5°	7815.6	6469.4	2868.6	1420.5	1236.1	1203.0	1186.5	1181.0	1183.8	1189.3	1192.0
40°	8052.3	6507.9	2351.0	1296.6	1181.0	1150.7	1123.2	1112.2	1109.4	1114.9	1112.2
42.5°	8459.8	6670.4	1976.6	1225.1	1137.0	1092.9	1062.6	1051.6	1051.6	1065.4	1065.4
45°	9057.2	6989.7	1706.8	1172.8	1098.4	1043.4	1010.3	1004.8	1015.8	1037.9	1040.6
47.5°	9932.6	7457.7	1544.4	1134.2	1062.6	999.3	966.3	963.5	985.6	1021.3	1024.1
50°	10970.4	8132.2	1456.3	1106.7	1037.9	963.5	930.5	933.2	958.0	996.6	1004.8
52.5°	12220.3	9051.7	1461.8	1095.7	1024.1	941.5	908.5	903.0	927.7	966.3	974.5
55°	13511.4	10169.3	1569.2	1098.4	1004.8	930.5	886.4	867.2	889.2	916.7	919.5
57.5°	14931.9	11430.2	1836.2	1092.9	980.0	919.5	867.2	823.1	836.9	853.4	861.7
60°	16534.1	12914.0	2411.6	1103.9	969.0	894.7	828.6	770.8	768.1	779.1	781.8
62.5°	18675.9	14931.9	3058.5	1123.2	993.8	864.4	770.8	710.3	699.2	704.8	707.5
65°	20313.9	15895.4	2854.8	1106.7	1046.1	842.4	715.8	652.4	630.4	624.9	624.9
67.5°	19647.7	14620.8	1987.6	1062.6	1070.9	845.2	671.7	591.9	564.4	550.6	547.8
70°	16718.6	11876.2	1382.0	1018.6	1043.4	839.6	624.9	542.3	506.5	487.3	484.5
72.5°	13208.6	9068.2	1117.7	930.5	947.0	757.1	556.1	487.3	457.0	432.2	432.2
75°	8501.1	5533.4	933.2	828.6	773.6	589.1	481.8	435.0	404.7	379.9	379.9
77.5°	2860.3	2053.7	724.0	702.0	578.1	443.2	404.7	374.4	349.6	327.6	324.8
80°	1161.7	974.5	531.3	531.3	404.7	338.6	316.6	302.8	286.3	258.8	258.8
82.5°	674.5	591.9	371.6	322.1	269.8	234.0	220.2	206.5	206.5	187.2	187.2
85°	324.8	327.6	223.0	198.2	154.2	134.9	129.4	121.1	118.4	107.4	104.6
87.5°	176.2	178.9	112.9	88.1	60.6	52.3	44.0	41.3	38.5	35.8	35.8
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)