

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: P640785

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640785
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-34)
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-HSS
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: (80) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31101.7 lumens
Efficiency: N/A
Efficacy: 115.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G4

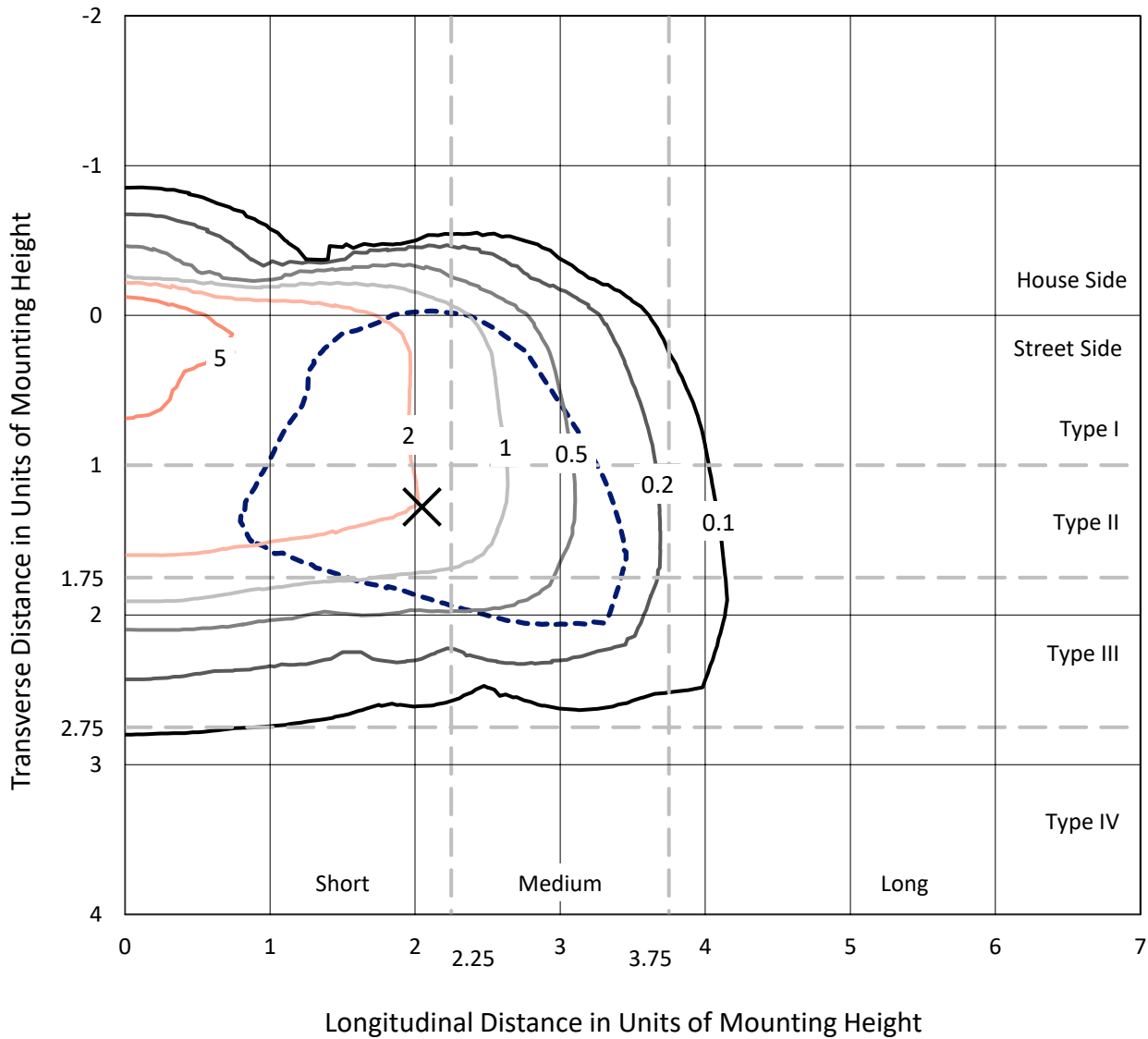
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640785
 CATALOG NUMBER: GWS-SA5E-750-U-SL3-W-HSS

Iso-Footcandle Lines of Horizontal Illumination

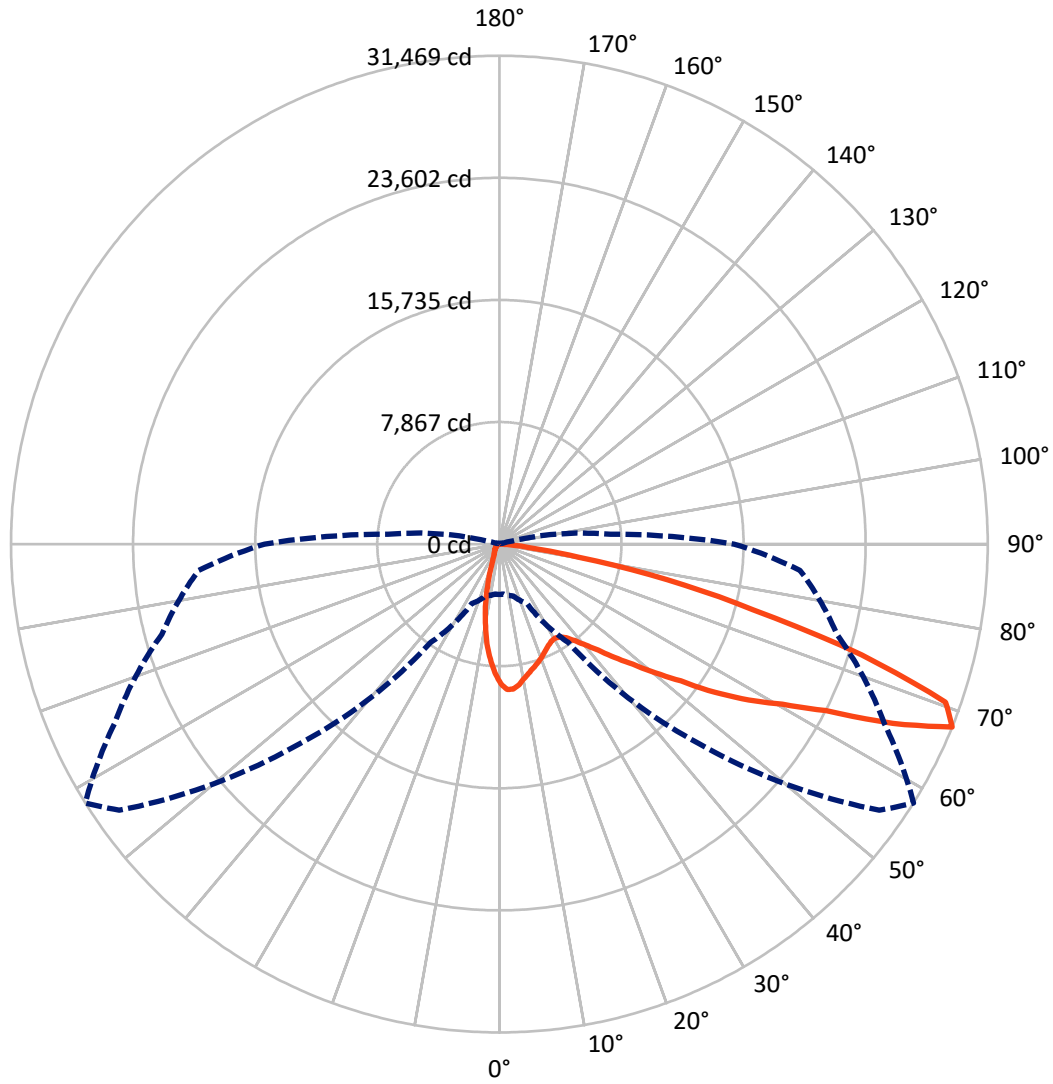
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 10 fc
 Type III - Short - N/A

REPORT NUMBER: P640785
CATALOG NUMBER: GWS-SA5E-750-U-SL3-W-HSS

Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P640785
 CATALOG NUMBER: GWS-SA5E-750-U-SL3-W-HSS

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3038.4	0.0	3038.4
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	28063.3	0.0	28063.3
	% Fixture	90.2	0.0	90.2
Total	Lumens	31101.7	0.0	31101.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	729.0	2.3
10°-20°	1517.5	4.9
20°-30°	2046.5	6.6
30°-40°	2875.7	9.2
40°-50°	4441.2	14.3
50°-60°	7102.1	22.8
60°-70°	8409.4	27.0
70°-80°	3720.1	12.0
80°-90°	260.1	0.8
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°	31101.7	100.0
0°-180°	31101.7	100.0

Coefficient of Utilization



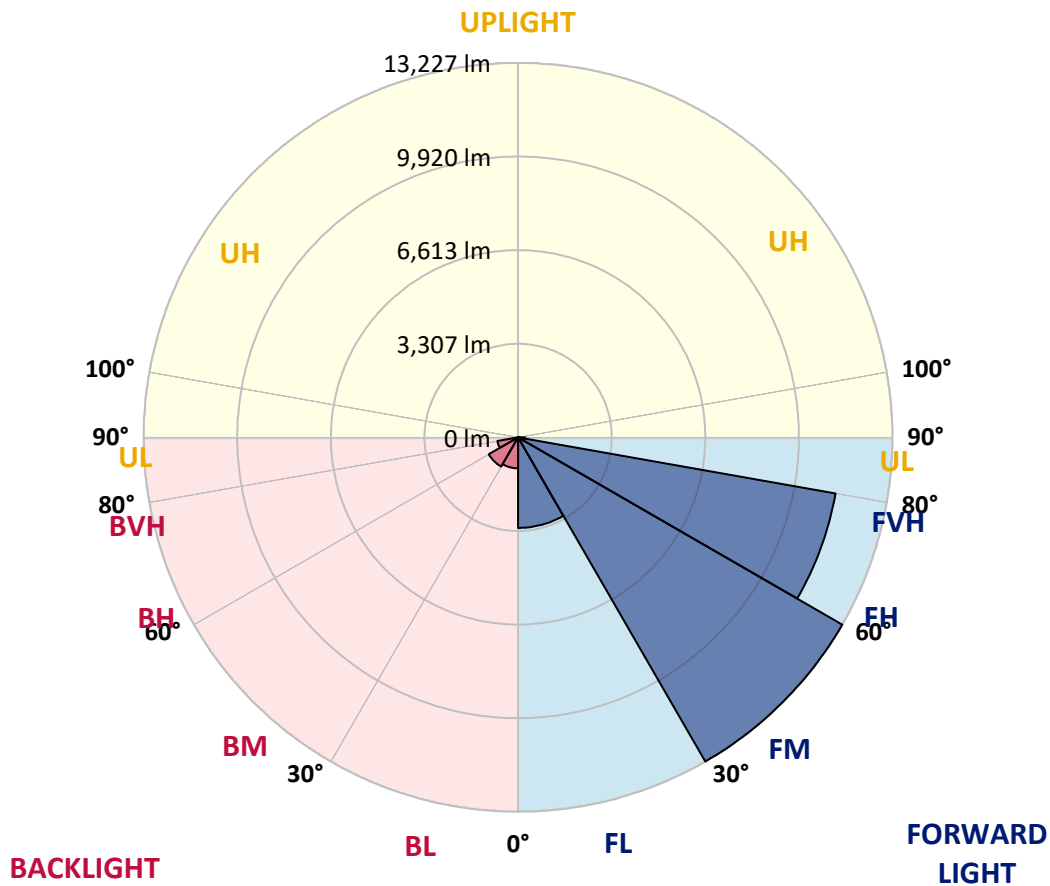
REPORT NUMBER: P640785

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

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3199.6	10.3			
FM (30°-60°)	13226.9	42.5			
FH (60°-80°)	11387.8	36.6			G4/12000
FVH (80°-90°)	249.0	0.8			G3/500
BL (0°-30°)	1093.4	3.5	B3/2500		
BM (30°-60°)	1192.2	3.8	B2/2500		
BH (60°-80°)	741.8	2.4	B2/1000		G2/1000
BVH (80°-90°)	11.1	0.0			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 III Short





REPORT NUMBER: P640785

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	8971.2	8971.2	8971.2	8971.2	8971.2	8971.2	8971.2	8971.2	8971.2	8971.2	8971.2
2.5°	9436.4	9452.9	9474.9	9502.5	9497.0	9472.2	9441.9	9373.1	9329.0	9191.4	9023.5
5°	9133.6	9130.8	9185.9	9238.2	9331.8	9381.3	9450.2	9386.9	9364.8	9199.7	8927.1
7.5°	8541.8	8572.0	8635.4	8717.9	8852.8	8998.7	9163.9	9144.6	9210.7	9100.6	8762.0
10°	7960.9	7944.4	8043.5	8167.4	8373.8	8561.0	8800.5	8797.8	8971.2	8960.2	8574.8
12.5°	7451.7	7448.9	7526.0	7666.4	7908.6	8170.1	8495.0	8503.2	8717.9	8806.0	8415.1
15°	7022.2	7027.8	7102.1	7248.0	7498.5	7817.8	8194.9	8263.7	8506.0	8684.9	8258.2
17.5°	6716.7	6719.4	6763.5	6890.1	7135.1	7476.5	7930.7	8024.2	8335.3	8594.1	8131.6
20°	6576.3	6565.3	6573.6	6636.9	6826.8	7137.9	7660.9	7782.0	8178.4	8530.8	8016.0
22.5°	6595.6	6579.1	6540.5	6532.3	6617.6	6854.3	7374.6	7523.2	8007.7	8492.2	7911.4
25°	6766.2	6730.5	6675.4	6592.8	6559.8	6678.2	7124.1	7278.3	7848.1	8495.0	7831.6
27.5°	7027.8	6989.2	6920.4	6810.3	6680.9	6631.4	6953.4	7099.3	7735.2	8558.3	7793.0
30°	7360.8	7330.6	7264.5	7132.4	6958.9	6755.2	6917.6	7038.8	7680.2	8687.7	7809.5
32.5°	7754.5	7732.5	7677.4	7556.3	7358.1	7047.0	7038.8	7132.4	7724.2	8874.8	7872.8
35°	8134.4	8142.6	8145.4	8079.3	7867.3	7490.2	7371.8	7404.9	7905.9	9155.6	8016.0
37.5°	8544.5	8525.2	8624.3	8671.1	8467.4	8065.5	7886.6	7889.4	8252.7	9571.3	8285.8
40°	8855.6	8861.1	9075.8	9268.5	9183.2	8795.0	8539.0	8536.3	8786.8	10141.1	8720.7
42.5°	9147.4	9183.2	9499.7	9830.0	9948.4	9604.3	9419.9	9351.1	9535.5	10911.9	9373.1
45°	9458.4	9510.7	9953.9	10424.6	10735.7	10532.0	10386.1	10413.6	10435.6	11809.3	10251.2
47.5°	9821.8	9854.8	10402.6	11066.0	11646.9	11594.6	11602.8	11569.8	11558.8	12940.6	11412.9
50°	10262.2	10339.3	10969.7	11762.5	12555.3	12902.1	13017.7	13031.5	12852.6	14173.9	12615.8
52.5°	11198.2	11291.8	11831.3	12525.0	13546.2	14275.7	14746.4	14652.9	14377.6	15368.6	13934.4
55°	12302.0	12373.6	12893.8	13612.3	14757.5	15781.5	16899.1	16860.6	16186.1	16626.6	15019.0
57.5°	12406.6	12486.4	13293.0	14394.1	16312.8	17642.3	18817.8	18941.6	17953.4	17518.5	15987.9
60°	11231.2	11393.6	12494.7	13975.7	16907.3	20144.6	20920.8	20945.6	19249.9	18424.1	17171.6
62.5°	9001.5	9078.5	10187.9	12120.3	15990.7	21603.5	24133.3	23610.3	20915.3	19825.3	19046.2
65°	4718.2	5032.0	5998.2	8137.1	12968.2	21094.3	27998.2	27855.0	23910.3	21832.0	20505.2
67.5°	3237.2	3234.5	3463.0	4242.0	7732.5	18162.6	29894.8	31469.4	27373.3	22520.2	19448.1
70°	2463.7	2472.0	2675.7	3182.2	4005.2	12090.0	27813.7	30505.9	28017.4	20447.4	15729.2
72.5°	1635.1	1651.6	1990.2	2571.1	3198.7	5926.7	21614.5	24408.6	23574.5	16422.9	11071.5
75°	977.2	991.0	1233.2	1869.1	2843.6	3317.1	13733.4	16874.3	16227.4	11319.3	5934.9
77.5°	401.9	412.9	633.1	1164.4	2081.1	2576.6	7594.8	11041.3	9719.9	4500.7	1621.4
80°	167.9	173.4	305.6	814.8	1500.2	1615.9	3518.0	5188.9	3983.2	969.0	495.5
82.5°	60.6	63.3	112.9	448.7	933.2	1216.7	1775.5	2050.8	1123.1	316.6	267.0
85°	2.8	2.8	27.5	151.4	355.1	344.1	1015.8	982.7	371.6	132.1	159.7
87.5°	0.0	0.0	2.8	2.8	5.5	13.8	96.3	170.7	79.8	33.0	68.8
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: P640785
 CATALOG NUMBER: GWS-SA5E-750-U-SL3-W-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8971.2	8971.2	8971.2	8971.2	8971.2	8971.2	8971.2	8971.2	8971.2	8971.2	8971.2
2.5°	8913.4	8767.5	8607.8	8459.2	8222.4	8082.1	7908.6	7831.6	7721.4	7693.9	7710.4
5°	8731.7	8481.2	8098.6	7751.7	7303.0	6942.4	6579.1	6424.9	6226.7	6094.6	6039.5
7.5°	8475.7	8148.1	7550.8	6920.4	6303.8	5645.9	5144.9	4814.5	4514.5	4349.3	4316.3
10°	8216.9	7790.3	6934.2	6031.3	5076.1	4288.8	3611.6	3110.6	2703.2	2518.8	2375.6
12.5°	7949.9	7418.6	6306.5	5128.4	4019.0	2945.4	2108.6	1621.4	1329.6	1214.0	1233.2
15°	7704.9	7060.8	5684.4	4225.5	2829.8	1778.3	1164.4	982.7	913.9	891.9	889.1
17.5°	7470.9	6722.2	5065.0	3347.3	1866.4	1090.1	891.9	847.8	828.6	817.6	817.6
20°	7259.0	6397.4	4459.4	2521.5	1205.7	864.4	806.6	784.5	768.0	759.8	759.8
22.5°	7060.8	6083.6	3867.6	1783.8	889.1	776.3	740.5	718.5	699.2	688.2	688.2
25°	6881.9	5800.0	3303.3	1227.7	765.3	710.2	671.7	646.9	613.9	594.6	594.6
27.5°	6752.5	5546.8	2761.0	894.6	690.9	638.6	594.6	561.6	525.8	503.8	498.2
30°	6675.4	5332.1	2213.2	735.0	622.1	569.8	520.3	479.0	437.7	415.7	412.9
32.5°	6631.4	5133.9	1712.2	641.4	564.3	503.8	448.7	404.7	363.4	338.6	335.8
35°	6647.9	4979.7	1282.8	578.1	509.3	445.9	385.4	341.3	305.6	283.5	278.0
37.5°	6791.0	4910.9	963.5	528.5	462.5	396.4	333.1	291.8	258.8	242.2	239.5
40°	7069.0	4924.7	757.0	490.0	423.9	346.8	286.3	247.7	223.0	209.2	206.5
42.5°	7501.2	5040.3	624.9	457.0	382.6	302.8	247.7	217.5	192.7	178.9	176.2
45°	8145.4	5279.8	545.0	418.4	338.6	261.5	214.7	187.2	165.2	148.6	145.9
47.5°	9078.5	5695.4	492.7	382.6	300.0	225.7	184.4	156.9	137.6	123.9	121.1
50°	10072.3	6193.7	448.7	346.8	267.0	195.4	156.9	129.4	112.9	99.1	96.3
52.5°	11132.1	6730.5	415.7	313.8	236.7	167.9	132.1	107.4	90.8	77.1	74.3
55°	12150.6	7270.0	377.1	291.8	201.0	143.1	110.1	88.1	71.6	60.6	60.6
57.5°	13141.6	7765.5	335.8	256.0	165.2	121.1	90.8	71.6	57.8	49.5	46.8
60°	14325.3	8450.9	289.0	217.5	137.6	101.9	74.3	57.8	46.8	38.5	38.5
62.5°	16084.3	9163.9	247.7	181.7	115.6	85.3	60.6	46.8	38.5	33.0	30.3
65°	16659.6	8778.5	209.2	148.6	93.6	68.8	49.5	41.3	33.0	30.3	27.5
67.5°	15123.6	7195.7	173.4	121.1	77.1	57.8	44.0	35.8	30.3	27.5	24.8
70°	11801.0	5106.3	134.9	90.8	63.3	46.8	38.5	33.0	27.5	24.8	24.8
72.5°	8027.0	3019.8	107.4	68.8	52.3	41.3	33.0	30.3	27.5	24.8	22.0
75°	3952.9	1073.6	82.6	52.3	41.3	35.8	30.3	27.5	24.8	22.0	22.0
77.5°	1065.3	297.3	63.3	41.3	33.0	27.5	27.5	27.5	24.8	19.3	19.3
80°	360.6	123.9	46.8	30.3	27.5	22.0	19.3	24.8	22.0	19.3	16.5
82.5°	198.2	60.6	33.0	24.8	19.3	16.5	16.5	16.5	16.5	13.8	13.8
85°	126.6	33.0	22.0	19.3	19.3	13.8	11.0	11.0	8.3	8.3	8.3
87.5°	57.8	19.3	19.3	16.5	16.5	13.8	8.3	5.5	2.8	2.8	2.8
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)