

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: P641356

Luminaire Tested: GWS-SA5F-760-U-T3-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P641356
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-24)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5F-760-U-T3-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26003.3 lumens
Efficiency: N/A
Efficacy: 83.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

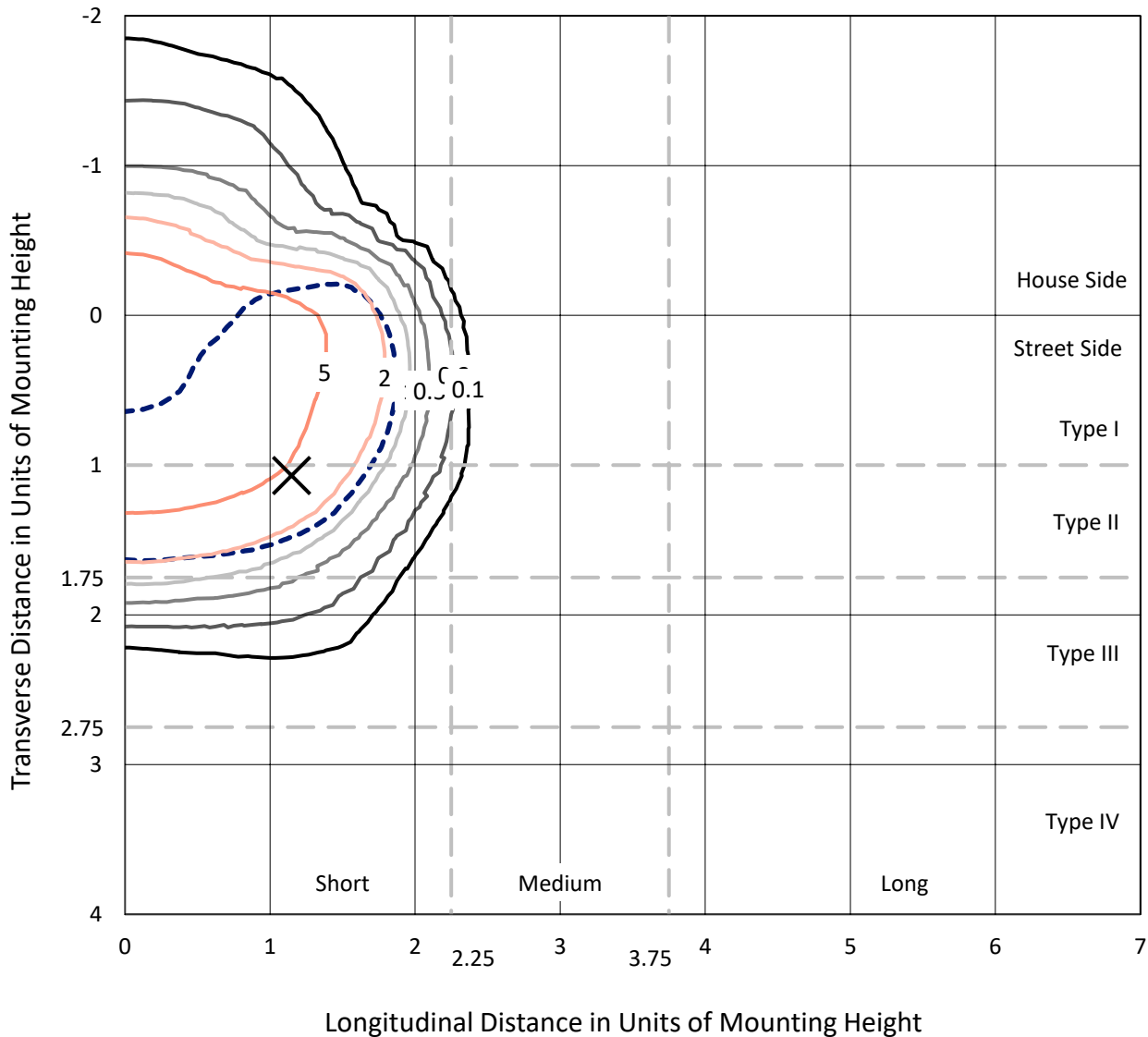
Input Watts (W): 310.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P641356
 CATALOG NUMBER: GWS-SA5F-760-U-T3-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

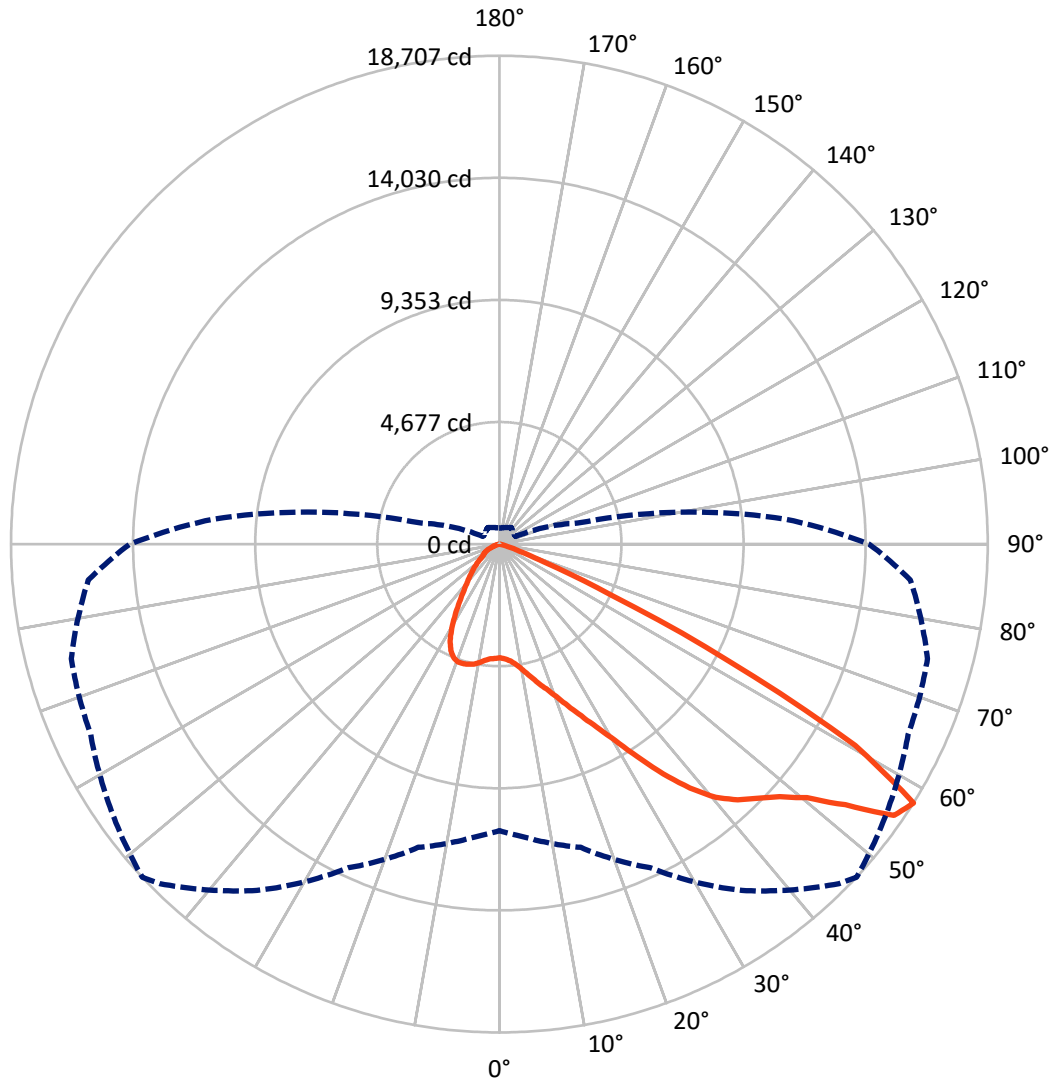
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 fc
 Type II - Short - N/A

REPORT NUMBER: P641356
CATALOG NUMBER: GWS-SA5F-760-U-T3-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 47-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P641356
 CATALOG NUMBER: GWS-SA5F-760-U-T3-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5641.4	0.0	5641.4
	% Fixture	21.7	0.0	21.7
Street Side	Lumens	20361.9	0.0	20361.9
	% Fixture	78.3	0.0	78.3
Total	Lumens	26003.3	0.0	26003.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	433.1	1.7
10°-20°	1461.3	5.6
20°-30°	2713.3	10.4
30°-40°	4343.4	16.7
40°-50°	6349.1	24.4
50°-60°	7835.9	30.1
60°-70°	2618.3	10.1
70°-80°	244.0	0.9
80°-90°	5.0	0.0
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°	26003.3	100.0
0°-180°	26003.3	100.0

Coefficient of Utilization



REPORT NUMBER: P641356

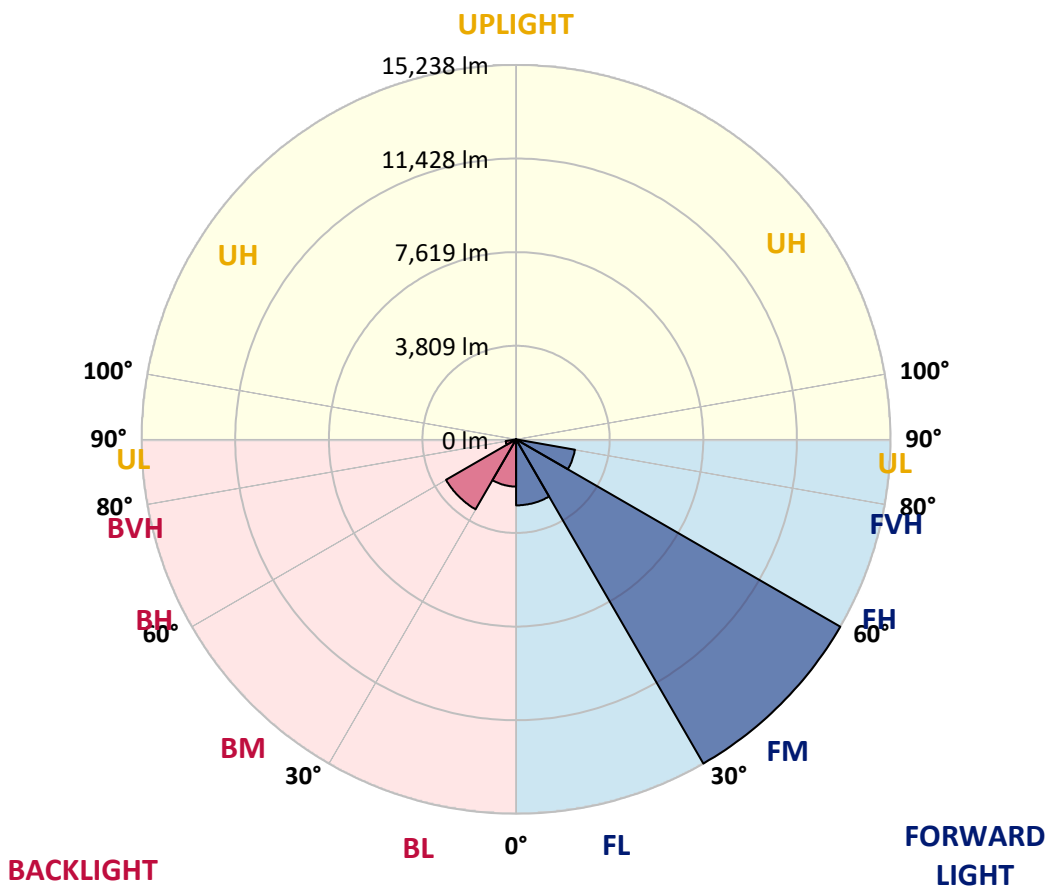
CATALOG NUMBER: GWS-SA5F-760-U-T3-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2687.4	10.3			
FM (30°-60°)	15237.7	58.6			
FH (60°-80°)	2433.4	9.4			G2/5000
FVH (80°-90°)	3.4	0.0			G0/10
BL (0°-30°)	1920.3	7.4	B3/2500		
BM (30°-60°)	3290.6	12.7	B3/5000		
BH (60°-80°)	428.9	1.6	B1/500		G1/500
BVH (80°-90°)	1.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short





REPORT NUMBER: P641356

CATALOG NUMBER: GWS-SA5F-760-U-T3-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	47°	55°	65°	75°	85°
0°	4353.0	4353.0	4353.0	4353.0	4353.0	4353.0	4353.0	4353.0	4353.0	4353.0	4353.0
2.5°	4398.3	4395.2	4392.2	4410.3	4404.3	4401.3	4407.3	4407.3	4407.3	4389.2	4353.0
5°	4503.9	4503.9	4500.9	4519.0	4503.9	4494.9	4497.9	4497.9	4485.8	4452.6	4407.3
7.5°	4669.9	4663.9	4657.9	4676.0	4660.9	4657.9	4663.9	4645.8	4624.7	4570.3	4506.9
10°	4908.4	4908.4	4899.4	4917.5	4905.4	4899.4	4899.4	4887.3	4848.0	4763.5	4669.9
12.5°	5237.5	5222.4	5201.2	5186.1	5180.1	5177.1	5180.1	5162.0	5119.7	5011.1	4881.3
15°	5596.7	5584.6	5551.4	5527.3	5494.1	5488.0	5506.1	5491.0	5448.8	5300.9	5116.7
17.5°	6049.5	6064.6	5980.1	5928.7	5832.1	5826.1	5832.1	5856.3	5826.1	5635.9	5367.3
20°	6435.9	6448.0	6384.6	6348.3	6260.8	6221.6	6233.6	6272.9	6239.7	6016.3	5642.0
22.5°	6849.5	6864.5	6798.1	6722.7	6683.4	6683.4	6728.7	6783.0	6737.8	6444.9	5955.9
25°	7344.5	7356.6	7302.3	7202.6	7133.2	7220.8	7287.2	7432.1	7356.6	6958.1	6327.2
27.5°	7912.0	7915.1	7836.6	7733.9	7697.7	7860.7	7927.1	8150.5	8120.3	7534.7	6719.6
30°	8518.8	8521.8	8503.7	8434.3	8401.1	8615.4	8706.0	9029.0	9007.8	8250.1	7254.0
32.5°	9149.7	9149.7	9182.9	9176.9	9216.1	9566.3	9711.2	10079.5	10058.3	9125.6	7918.1
35°	9783.6	9786.7	9844.0	9988.9	10151.9	10616.8	10807.0	11253.8	11205.5	10173.1	8766.3
37.5°	10505.1	10474.9	10553.4	10770.8	11133.0	11670.3	11851.5	12277.1	12222.8	11244.7	9874.2
40°	11374.5	11320.2	11320.2	11573.7	11984.3	12603.1	12757.1	12968.4	12784.2	12111.1	10960.9
42.5°	12334.5	12283.1	12216.7	12440.1	12784.2	13267.2	13394.0	13336.7	13185.7	12929.1	12198.6
45°	13306.5	13228.0	13273.3	13409.1	13608.3	13837.8	13886.1	13620.4	13551.0	13623.4	13222.0
47.5°	14046.1	13991.7	14103.4	14293.6	14456.6	14489.8	14456.6	14088.3	14082.3	14338.9	13931.3
50°	14293.6	14299.6	14607.5	15024.1	15286.7	15313.9	15268.6	14846.0	14788.7	14864.1	14314.7
52.5°	14317.7	14341.9	14791.7	15585.6	16301.0	16627.1	16590.8	16135.0	15573.5	15492.0	14894.3
55°	13735.1	13877.0	14504.9	15664.1	17185.5	18227.0	18347.7	17475.3	16642.2	16572.7	16141.0
57.5°	10979.0	11268.8	12026.5	13677.8	16198.4	18393.0	18706.9	18079.1	17273.1	16977.2	15806.0
60°	6562.7	6921.9	7649.4	9675.0	12328.4	15117.7	15658.1	15745.6	15374.3	14520.0	12126.2
62.5°	2816.5	2786.3	3682.8	5234.4	7332.4	9608.6	9853.1	10233.4	10556.4	9662.9	7359.6
65°	966.0	1050.5	1461.1	2360.6	3670.8	4461.7	4679.0	5020.1	5479.0	4522.0	2695.7
67.5°	597.7	633.9	842.2	1394.6	1980.3	1950.1	1853.5	1799.2	1750.9	1198.4	739.6
70°	434.7	464.9	591.7	959.9	1331.3	935.8	812.0	658.1	730.5	673.2	525.3
72.5°	292.8	317.0	407.5	582.6	682.2	455.8	422.6	480.0	579.6	552.4	428.7
75°	175.1	190.2	232.4	283.8	277.7	235.5	238.5	338.1	443.8	413.6	304.9
77.5°	120.7	126.8	154.0	184.1	135.8	72.4	66.4	93.6	150.9	150.9	102.6
80°	30.2	39.2	39.2	24.1	21.1	18.1	18.1	27.2	42.3	30.2	15.1
82.5°	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0	6.0	6.0	6.0
85°	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0	6.0	6.0
87.5°	0.0	0.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	6.0	6.0
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: P641356
 CATALOG NUMBER: GWS-SA5F-760-U-T3-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	4353.0	4353.0	4353.0	4353.0	4353.0	4353.0	4353.0	4353.0	4353.0	4353.0	4353.0
2.5°	4374.1	4337.9	4362.0	4356.0	4374.1	4380.1	4353.0	4346.9	4350.0	4313.7	4301.7
5°	4416.4	4374.1	4386.2	4374.1	4395.2	4413.4	4404.3	4416.4	4431.5	4404.3	4392.2
7.5°	4506.9	4464.7	4461.7	4443.5	4473.7	4485.8	4482.8	4516.0	4546.2	4528.1	4510.0
10°	4663.9	4606.6	4600.5	4585.4	4594.5	4603.5	4570.3	4576.4	4603.5	4582.4	4573.3
12.5°	4857.1	4787.7	4772.6	4736.4	4736.4	4691.1	4618.6	4603.5	4624.7	4609.6	4594.5
15°	5065.4	4971.8	4947.7	4884.3	4823.9	4739.4	4663.9	4645.8	4660.9	4642.8	4630.7
17.5°	5297.8	5192.2	5113.7	5002.0	4869.2	4769.6	4685.0	4645.8	4621.6	4585.4	4582.4
20°	5527.3	5388.4	5255.6	5077.5	4902.4	4751.5	4612.6	4510.0	4422.4	4368.1	4346.9
22.5°	5792.9	5587.6	5373.3	5122.8	4872.2	4642.8	4398.3	4223.2	4072.2	4020.9	3996.8
25°	6076.7	5811.0	5491.0	5165.0	4769.6	4401.3	4069.2	3809.6	3610.4	3544.0	3516.8
27.5°	6390.6	6025.3	5611.8	5156.0	4558.3	4057.1	3616.4	3293.4	3097.2	3036.8	3058.0
30°	6789.1	6303.1	5762.7	5062.4	4241.3	3574.2	3058.0	2786.3	2638.4	2581.0	2584.0
32.5°	7320.4	6701.5	5983.1	4863.1	3833.8	3024.7	2571.9	2372.7	2273.1	2197.6	2191.6
35°	8081.1	7308.3	6188.4	4543.2	3338.7	2535.7	2206.7	2049.7	1910.8	1823.3	1838.4
37.5°	8992.7	8072.0	6300.0	4111.5	2783.3	2155.4	1932.0	1772.0	1615.0	1485.2	1500.3
40°	10073.4	9071.2	6291.0	3544.0	2276.1	1895.8	1702.6	1515.4	1319.2	1201.4	1213.5
42.5°	11277.9	10016.1	6094.8	2943.2	1886.7	1684.4	1482.2	1246.7	1056.5	984.1	987.1
45°	12322.4	10782.8	5750.6	2321.4	1587.8	1479.2	1252.8	1011.3	926.7	875.4	872.4
47.5°	13095.2	11344.3	5258.6	1826.3	1346.3	1292.0	1029.4	905.6	839.2	796.9	790.9
50°	13526.8	11540.5	4715.2	1430.9	1138.1	1095.8	920.7	821.1	775.8	748.6	742.6
52.5°	14106.4	11776.0	4325.8	1129.0	953.9	896.6	848.3	763.7	733.5	712.4	703.4
55°	15024.1	12231.8	3987.7	896.6	793.9	781.8	800.0	730.5	712.4	679.2	667.1
57.5°	14160.8	10988.1	3097.2	694.3	670.2	715.4	772.8	697.3	652.0	621.9	609.8
60°	9964.8	7305.3	1557.7	558.5	597.7	670.2	727.5	630.9	585.6	591.7	585.6
62.5°	5494.1	3655.7	700.3	467.9	519.2	591.7	621.9	546.4	516.2	567.5	576.6
65°	1796.1	1243.7	404.5	362.2	410.5	483.0	537.3	519.2	513.2	573.6	591.7
67.5°	552.4	410.5	274.7	259.6	283.8	356.2	452.8	561.5	603.7	621.9	630.9
70°	413.6	323.0	235.5	220.4	232.4	271.7	383.4	467.9	440.7	443.8	437.7
72.5°	332.1	256.6	202.3	193.2	193.2	187.2	202.3	253.6	286.8	301.9	301.9
75°	232.4	181.1	154.0	141.9	111.7	90.6	81.5	81.5	72.4	69.4	66.4
77.5°	78.5	66.4	60.4	48.3	33.2	27.2	24.1	21.1	15.1	9.1	6.0
80°	12.1	9.1	6.0	6.0	6.0	3.0	3.0	3.0	0.0	0.0	0.0
82.5°	6.0	6.0	6.0	6.0	6.0	3.0	3.0	0.0	0.0	0.0	0.0
85°	6.0	6.0	6.0	6.0	6.0	3.0	3.0	0.0	0.0	0.0	0.0
87.5°	6.0	6.0	6.0	6.0	3.0	3.0	3.0	0.0	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)