

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: P643302

Luminaire Tested: GWS-SA6E-760-U-AFL-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P643302
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-46)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SAGE-760-U-AFL-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (96) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34014.1 lumens
Efficiency: N/A
Efficacy: 105.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G1

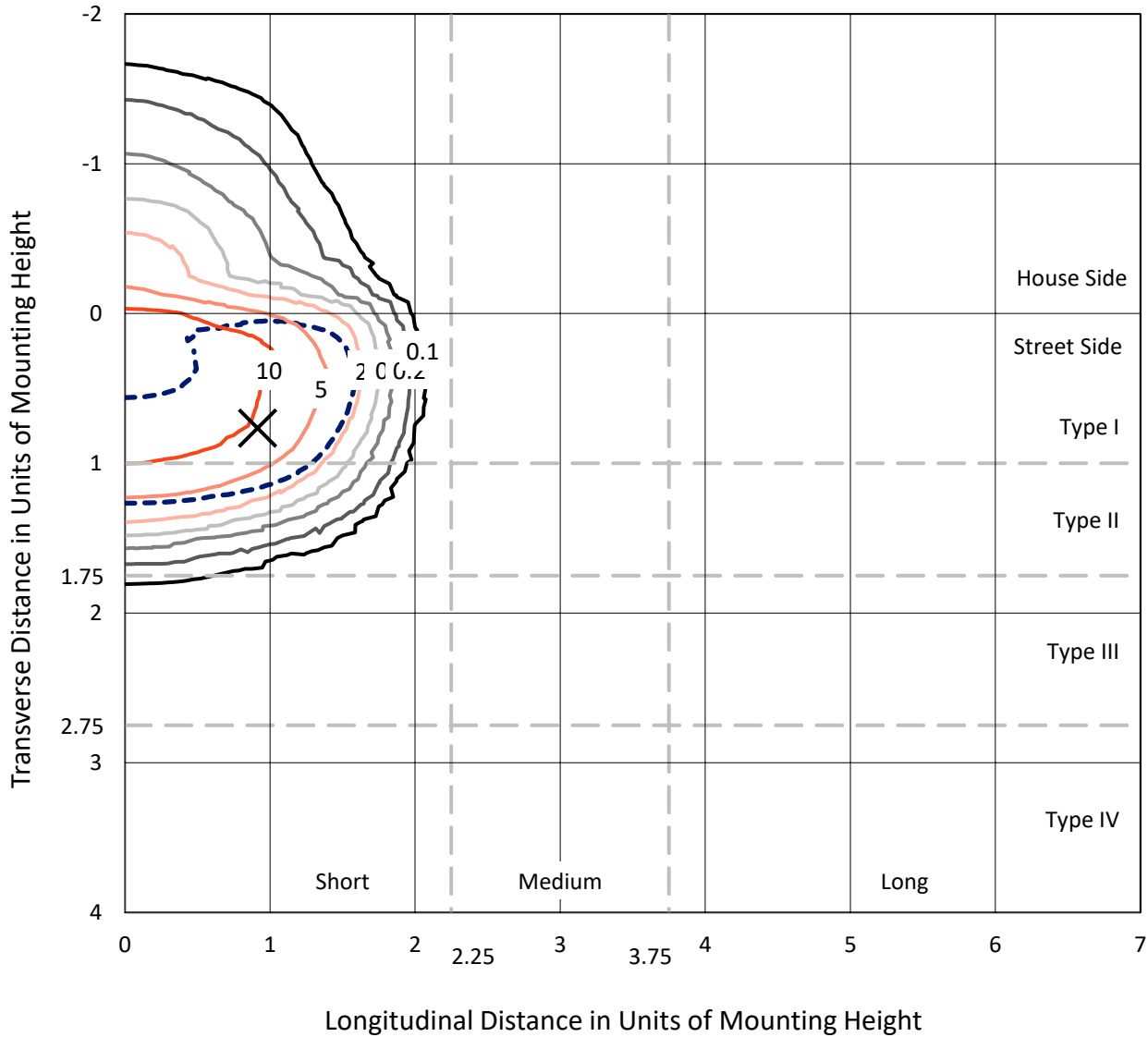
Input Watts (W): 323.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

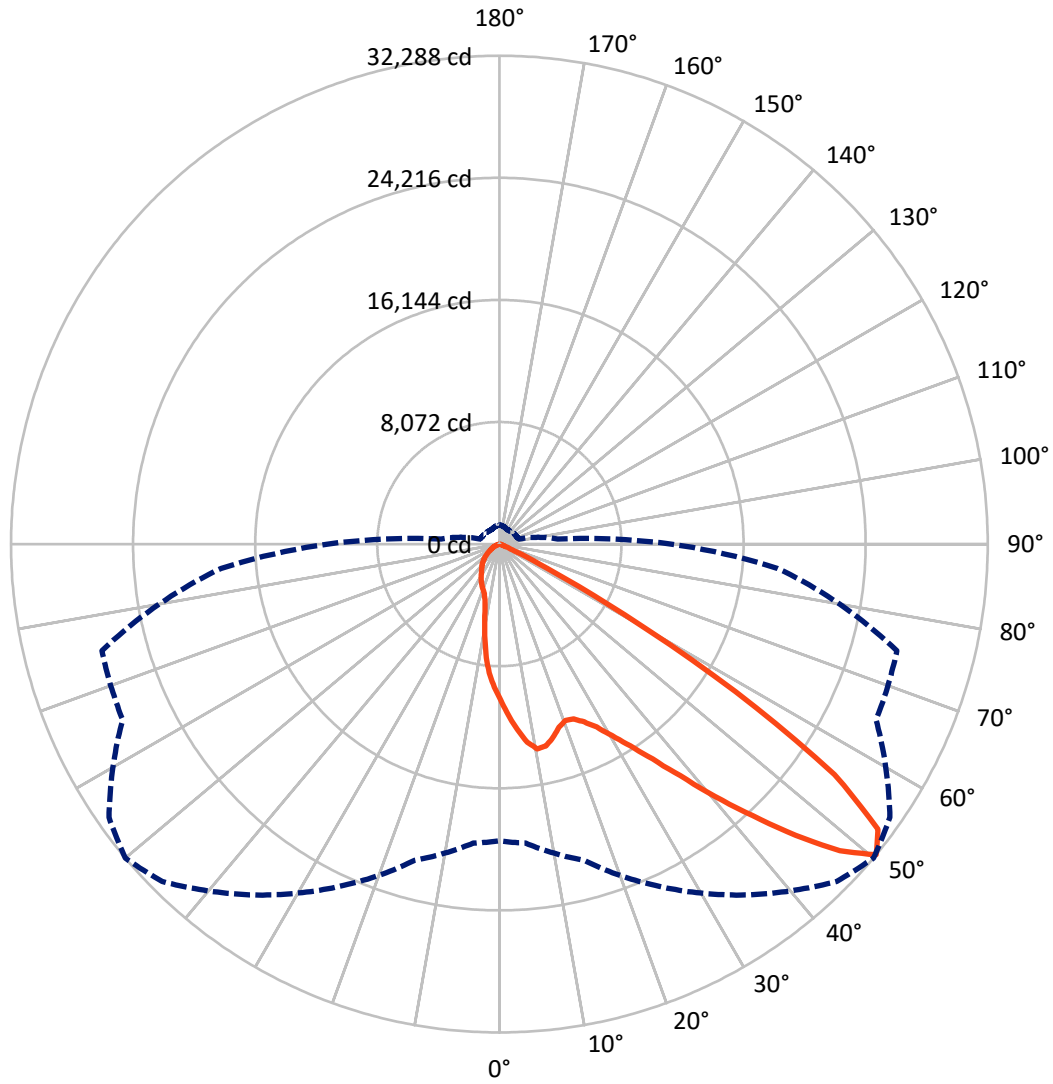
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 14.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 50-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4370.3	0.0	4370.3
	% Fixture	12.8	0.0	12.8
Street Side	Lumens	29643.8	0.0	29643.8
	% Fixture	87.2	0.0	87.2
Total	Lumens	34014.1	0.0	34014.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	955.9	2.8
10°-20°	2466.4	7.3
20°-30°	4070.4	12.0
30°-40°	6717.1	19.7
40°-50°	10628.0	31.2
50°-60°	8046.6	23.7
60°-70°	1007.1	3.0
70°-80°	113.9	0.3
80°-90°	8.7	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°	34014.1	100.0
0°-180°	34014.1	100.0

Coefficient of Utilization

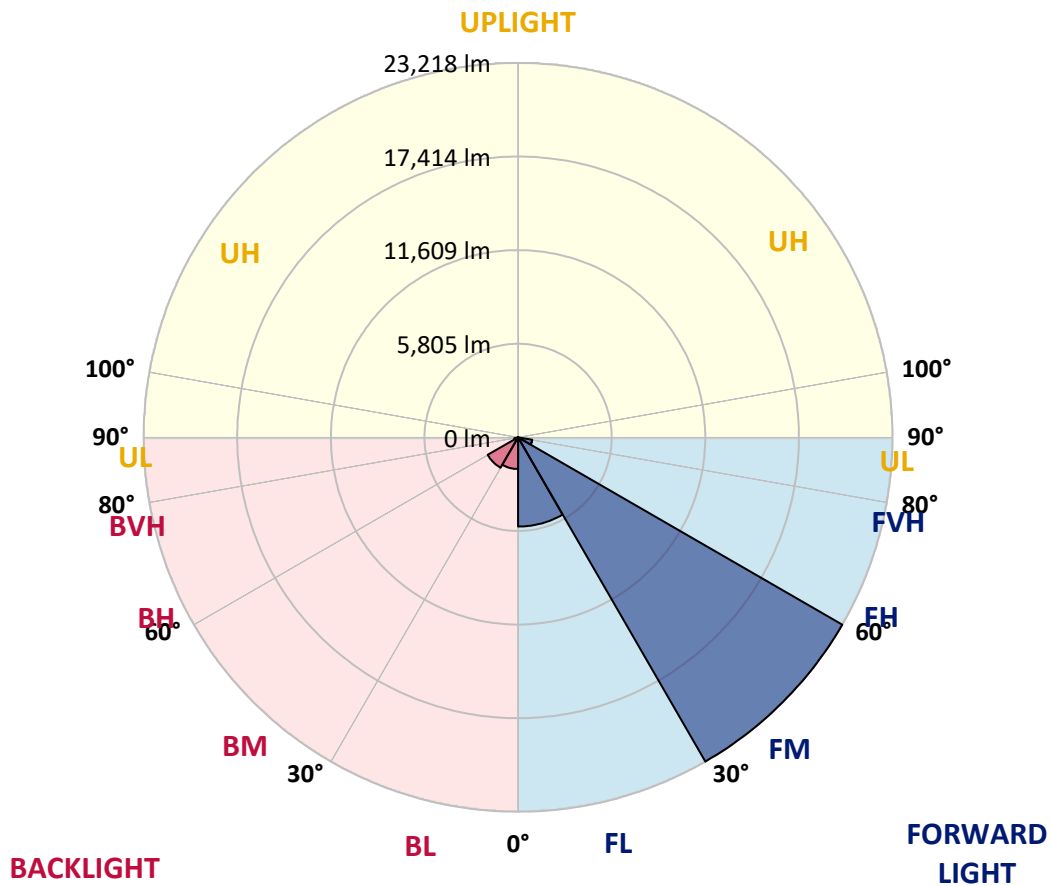


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5531.2	16.3			
FM (30°-60°)	23218.2	68.3			
FH (60°-80°)	890.4	2.6			G1/1800
FVH (80°-90°)	4.0	0.0			G0/10
BL (0°-30°)	1961.6	5.8	B3/2500		
BM (30°-60°)	2173.4	6.4	B2/2500		
BH (60°-80°)	230.6	0.7	B1/500		G1/500
BVH (80°-90°)	4.6	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-G1
 Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
0°	10304.9	10304.9	10304.9	10304.9	10304.9	10304.9	10304.9	10304.9	10304.9	10304.9	10304.9
2.5°	11742.4	11836.3	11810.4	11687.3	11554.6	11460.7	11315.0	11269.7	10939.5	10709.6	10466.8
5°	13160.4	13189.5	13157.1	13008.2	12775.1	12551.7	12312.2	12172.9	11619.3	11120.8	10612.5
7.5°	13500.3	13464.7	13526.2	13600.7	13568.3	13471.2	13218.7	13066.5	12406.0	11593.4	10822.9
10°	12438.4	12357.5	12587.3	12972.6	13377.3	13833.8	13769.0	13782.0	13173.3	12189.1	11098.1
12.5°	11030.1	10997.7	11169.3	11616.1	12409.3	13445.3	13694.6	14112.2	13875.9	12833.4	11412.1
15°	10411.8	10427.9	10531.5	10813.2	11383.0	12671.5	13270.5	14024.8	14503.9	13458.2	11758.6
17.5°	10505.6	10563.9	10560.7	10654.6	11001.0	12033.7	12733.0	13749.6	14989.6	14177.0	12156.8
20°	11143.4	11201.7	11114.3	11043.1	11159.6	11871.9	12451.4	13471.2	15316.5	14902.2	12577.6
22.5°	12098.5	12166.5	11959.3	11755.3	11680.9	12137.3	12558.2	13357.9	15565.8	15565.8	12953.2
25°	13254.3	13348.2	13027.6	12665.0	12457.8	12697.4	13014.7	13613.6	15821.6	16161.5	13208.9
27.5°	14546.0	14549.3	14274.1	13866.2	13477.7	13506.8	13697.8	14189.9	16103.3	16802.6	13409.7
30°	15999.7	16009.4	15643.5	15154.7	14665.8	14533.1	14695.0	15067.3	16689.2	17608.7	13688.1
32.5°	17877.4	17922.7	17398.3	16679.5	16045.0	15795.7	15889.6	16281.3	17621.6	18618.8	14105.7
35°	20415.6	20464.2	19690.4	18741.8	17731.7	17356.2	17450.1	17845.0	18971.7	20053.0	14772.7
37.5°	22921.4	22986.2	22202.7	21318.8	19933.2	19311.6	19408.7	19784.3	20998.3	22034.3	15841.0
40°	24653.5	24740.9	24498.1	23902.4	22617.1	21801.2	21917.8	22053.8	23229.0	24404.2	17226.7
42.5°	25566.4	25689.5	25793.1	26097.4	25420.7	24737.6	24540.1	24549.9	25498.4	26819.3	18667.3
45°	25621.5	25741.3	26272.2	27447.4	27962.2	27819.7	27460.4	27217.6	27230.5	28428.4	19567.4
47.5°	23840.9	24064.2	25058.1	27360.0	29296.0	30477.7	30296.4	29720.1	27958.9	28535.2	19470.2
50°	19622.4	19842.6	21649.1	24961.0	28324.8	31539.6	32287.5	31513.7	27483.0	27204.6	18469.9
52.5°	14251.4	14274.1	15446.0	19314.8	24388.0	29580.9	31342.1	31267.6	26757.8	25592.3	17103.6
55°	6769.6	6688.6	8006.3	10900.6	16867.3	23925.0	26893.8	27735.5	25728.3	24426.8	16045.0
57.5°	1971.6	2010.5	2596.5	4254.1	8436.9	15290.6	18418.1	19985.0	21118.1	20082.1	12444.9
60°	883.8	887.1	987.4	1295.0	2810.1	7112.8	9521.4	11460.7	12626.2	11700.3	6173.9
62.5°	641.0	644.3	683.1	731.7	955.1	2408.7	3570.9	4759.1	4846.5	3172.7	1563.7
65°	534.2	534.2	540.7	540.7	573.0	861.2	1084.6	1398.6	1178.4	874.1	611.9
67.5°	430.6	433.8	440.3	440.3	430.6	430.6	466.2	511.5	547.1	676.6	563.3
70°	336.7	333.5	333.5	336.7	327.0	278.4	301.1	343.2	375.5	527.7	488.9
72.5°	262.2	265.5	262.2	249.3	226.6	165.1	178.1	223.4	239.6	330.2	330.2
75°	197.5	200.7	187.8	142.4	93.9	51.8	68.0	110.1	139.2	161.9	119.8
77.5°	25.9	25.9	19.4	19.4	16.2	19.4	19.4	25.9	38.8	38.8	29.1
80°	3.2	3.2	3.2	6.5	9.7	12.9	12.9	12.9	12.9	16.2	16.2
82.5°	3.2	3.2	3.2	3.2	9.7	9.7	12.9	12.9	12.9	12.9	12.9
85°	0.0	0.0	0.0	3.2	6.5	9.7	9.7	12.9	12.9	12.9	12.9
87.5°	0.0	0.0	0.0	3.2	6.5	9.7	9.7	9.7	12.9	12.9	12.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10304.9	10304.9	10304.9	10304.9	10304.9	10304.9	10304.9	10304.9	10304.9	10304.9	10304.9
2.5°	10321.1	10133.3	9906.7	9751.3	9531.2	9385.5	9178.3	9039.1	8919.3	8825.4	8877.2
5°	10324.3	10026.5	9563.5	9168.6	8738.0	8343.0	7918.9	7585.4	7284.3	7148.4	7222.8
7.5°	10389.1	9961.7	9252.7	8550.2	7724.6	6908.8	6144.7	5523.2	5215.6	5069.9	5115.2
10°	10515.4	9932.6	8906.3	7740.8	6400.5	5286.8	4545.4	4124.6	3953.0	3862.3	3878.5
12.5°	10631.9	9913.2	8456.3	6675.7	5050.5	4101.9	3716.6	3658.4	3694.0	3697.2	3694.0
15°	10790.5	9877.6	7899.5	5581.4	4040.4	3545.0	3554.8	3638.9	3723.1	3749.0	3742.5
17.5°	10958.9	9822.5	7180.7	4532.5	3428.5	3383.2	3496.5	3609.8	3694.0	3706.9	3710.2
20°	11133.7	9709.2	6361.7	3700.4	3143.6	3260.1	3386.4	3470.6	3532.1	3551.5	3558.0
22.5°	11214.7	9469.6	5416.3	3104.7	2952.6	3108.0	3201.9	3311.9	3331.4	3260.1	3273.1
25°	11172.6	9065.0	4493.6	2703.3	2761.6	2917.0	3056.2	3001.2	2920.2	2868.4	2884.6
27.5°	11039.8	8527.5	3590.4	2408.7	2557.6	2755.1	2771.3	2709.8	2696.8	2654.7	2667.7
30°	10897.4	7909.2	2887.8	2172.4	2350.4	2557.6	2509.1	2531.7	2535.0	2486.4	2502.6
32.5°	10810.0	7261.7	2298.6	2013.7	2217.7	2256.5	2353.7	2399.0	2402.2	2288.9	2308.3
35°	10839.1	6623.9	1945.7	1884.2	2094.7	2084.9	2220.9	2246.8	2059.0	1903.6	1919.8
37.5°	11075.4	6034.7	1745.0	1783.9	1881.0	1955.4	2059.0	1887.5	1845.4	1774.1	1783.9
40°	11515.7	5532.9	1625.2	1722.3	1735.3	1855.1	1696.4	1719.1	1722.3	1677.0	1686.7
42.5°	12030.5	5115.2	1554.0	1686.7	1654.4	1673.8	1515.1	1560.5	1609.0	1589.6	1592.8
45°	12289.5	4707.3	1492.5	1563.7	1573.4	1388.9	1353.3	1401.8	1463.3	1473.1	1476.3
47.5°	12059.6	4318.8	1427.7	1385.6	1450.4	1265.9	1223.8	1240.0	1311.2	1350.0	1356.5
50°	11357.1	3872.0	1330.6	1227.0	1191.4	1136.4	1097.5	1100.7	1181.7	1249.7	1262.6
52.5°	10369.7	3405.8	1172.0	1039.2	958.3	1000.4	1010.1	990.7	1065.1	1133.1	1146.1
55°	9411.4	2823.1	929.2	845.0	770.5	861.2	887.1	861.2	883.8	929.2	932.4
57.5°	6627.1	1596.1	712.2	699.3	637.8	738.1	780.2	741.4	702.5	731.7	738.1
60°	3072.4	835.3	547.1	547.1	530.9	634.5	705.8	650.7	576.3	589.2	598.9
62.5°	961.5	527.7	401.4	378.8	433.8	540.7	598.9	543.9	456.5	456.5	469.4
65°	543.9	453.2	317.3	291.4	352.9	433.8	469.4	411.2	333.5	327.0	327.0
67.5°	505.0	430.6	281.7	236.3	249.3	278.4	291.4	252.5	229.9	226.6	229.9
70°	417.6	359.4	226.6	161.9	152.2	148.9	155.4	145.7	139.2	142.4	152.2
72.5°	259.0	216.9	142.4	97.1	84.2	80.9	80.9	80.9	77.7	77.7	77.7
75°	93.9	80.9	64.7	48.6	42.1	38.8	38.8	42.1	38.8	35.6	32.4
77.5°	29.1	25.9	25.9	25.9	22.7	19.4	16.2	16.2	12.9	9.7	9.7
80°	16.2	16.2	16.2	16.2	12.9	12.9	9.7	6.5	3.2	3.2	0.0
82.5°	16.2	16.2	16.2	12.9	12.9	12.9	9.7	6.5	3.2	0.0	0.0
85°	12.9	12.9	12.9	12.9	12.9	12.9	9.7	6.5	3.2	0.0	0.0
87.5°	12.9	12.9	12.9	12.9	12.9	12.9	9.7	6.5	3.2	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)