

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: P636288

Luminaire Tested: GWS-SA3F-740-U-T2-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636288
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-20)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3F-740-U-T2-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14523.6 lumens
Efficiency: N/A
Efficacy: 79.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

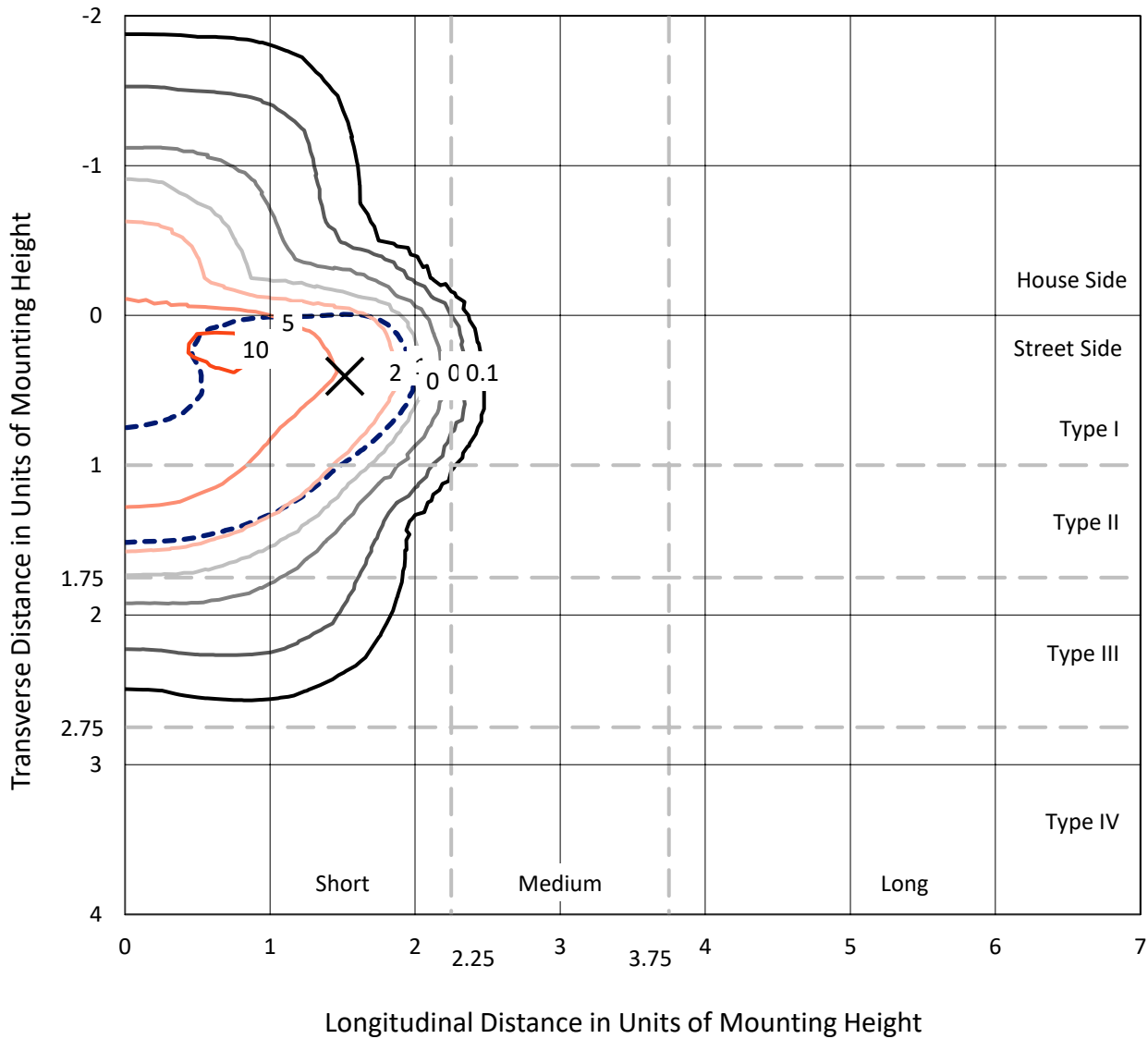
Input Watts (W): 183.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

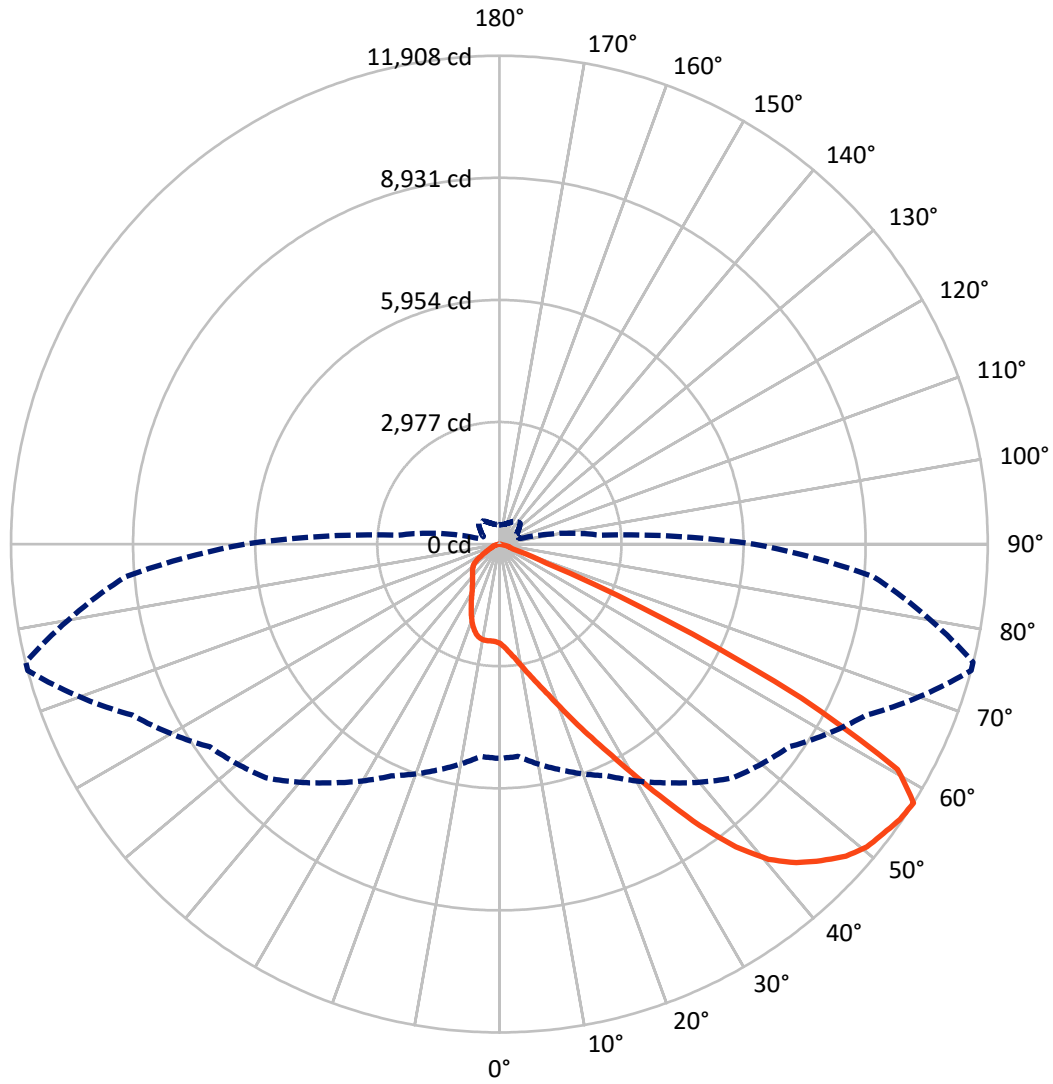
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.3 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2372.4	0.0	2372.4
	% Fixture	16.3	0.0	16.3
Street Side	Lumens	12151.2	0.0	12151.2
	% Fixture	83.7	0.0	83.7
Total	Lumens	14523.6	0.0	14523.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	246.5	1.7
10°-20°	800.7	5.5
20°-30°	1466.3	10.1
30°-40°	2432.7	16.8
40°-50°	3715.4	25.6
50°-60°	4174.8	28.7
60°-70°	1539.9	10.6
70°-80°	147.2	1.0
80°-90°	0.1	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°	14523.6	100.0
0°-180°	14523.6	100.0

Coefficient of Utilization



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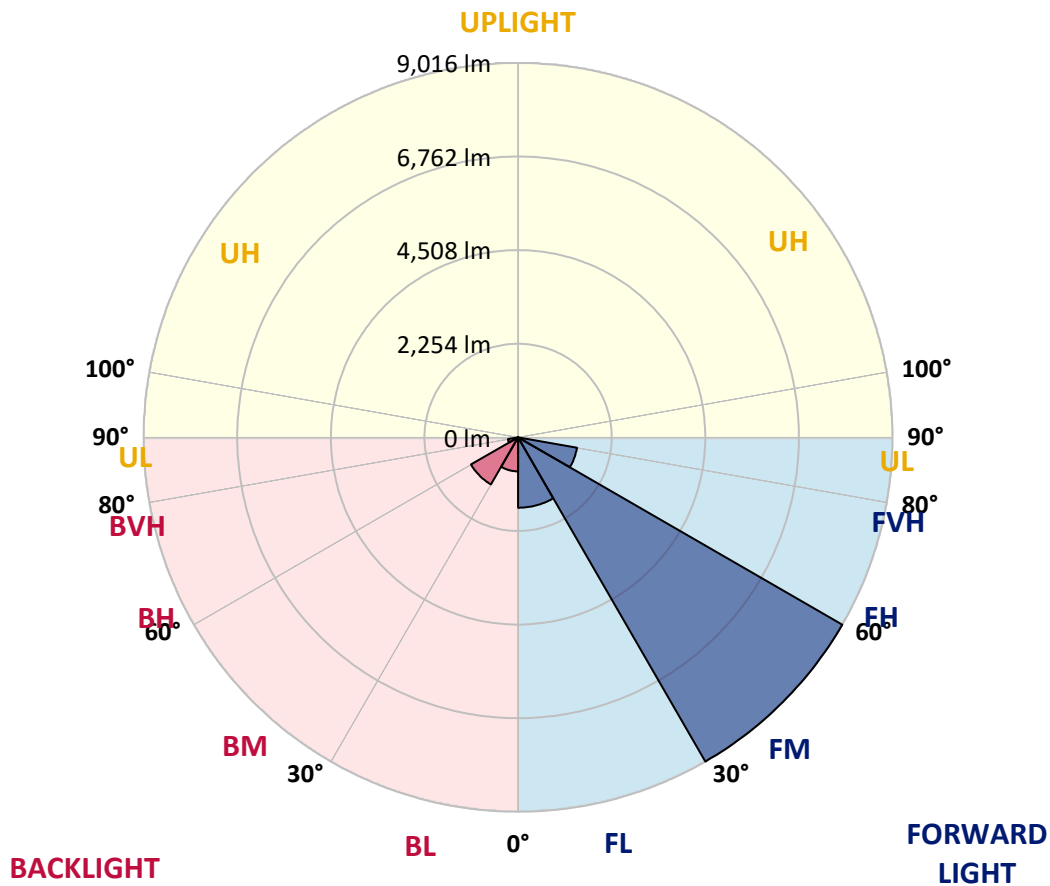
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1694.9	11.7			
FM (30°-60°)	9015.6	62.1			
FH (60°-80°)	1440.7	9.9			G1/1800
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	818.6	5.6	B2/1000		
BM (30°-60°)	1307.3	9.0	B2/2500		
BH (60°-80°)	246.4	1.7	B1/500		G1/500
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	2422.3	2422.3	2422.3	2422.3	2422.3	2422.3	2422.3	2422.3	2422.3	2422.3	2422.3
2.5°	2706.3	2734.3	2725.6	2708.0	2697.5	2660.7	2637.9	2571.3	2524.0	2518.7	2474.9
5°	3048.1	3042.8	3035.8	3014.8	2997.2	2939.4	2871.0	2758.9	2659.0	2646.7	2553.8
7.5°	3235.6	3239.1	3242.6	3239.1	3226.9	3183.0	3107.7	2976.2	2823.7	2813.2	2666.0
10°	3312.7	3319.8	3337.3	3370.6	3400.4	3396.9	3353.1	3218.1	3030.5	3013.0	2815.0
12.5°	3349.6	3358.3	3386.4	3449.5	3530.1	3593.2	3600.2	3479.3	3272.4	3244.4	2992.0
15°	3400.4	3409.1	3444.2	3526.6	3644.0	3768.5	3849.1	3772.0	3540.6	3510.8	3186.5
17.5°	3423.2	3435.4	3486.3	3594.9	3747.4	3938.5	4120.8	4113.8	3857.9	3835.1	3412.7
20°	3467.0	3475.8	3521.3	3638.8	3822.8	4098.0	4404.7	4515.1	4245.2	4211.9	3686.1
22.5°	3605.5	3609.0	3630.0	3703.6	3875.4	4213.7	4693.9	4983.1	4702.7	4658.9	3992.8
25°	3831.6	3829.8	3838.6	3850.8	3977.0	4331.1	4972.6	5510.7	5226.8	5179.4	4339.9
27.5°	4119.0	4119.0	4140.1	4105.0	4155.8	4476.6	5247.8	6117.2	5836.7	5770.1	4720.2
30°	4457.3	4455.6	4504.6	4448.5	4464.3	4706.2	5544.0	6778.0	6572.9	6490.5	5158.4
32.5°	4916.5	4906.0	4962.1	4885.0	4832.4	5053.2	5905.1	7468.6	7454.5	7328.3	5708.8
35°	5496.7	5479.2	5496.7	5421.3	5326.7	5538.8	6378.3	8157.4	8432.6	8299.4	6364.3
37.5°	6073.4	6129.5	6148.7	6019.0	5941.9	6154.0	6948.0	8774.4	9366.8	9228.4	7046.2
40°	6753.4	6735.9	6802.5	6657.0	6608.0	6842.8	7505.4	9233.6	10106.5	9975.0	7652.6
42.5°	7254.7	7286.3	7368.7	7288.0	7249.5	7470.3	7973.4	9501.8	10620.1	10490.4	8085.5
45°	7855.9	7878.7	7910.3	7843.7	7803.4	8020.7	8311.7	9619.2	11010.9	10870.7	8376.5
47.5°	8506.2	8523.7	8523.7	8387.0	8257.3	8346.7	8537.8	9685.8	11370.2	11235.3	8592.1
50°	8972.5	8981.2	9058.3	8961.9	8679.7	8541.3	8641.2	9750.7	11608.6	11482.4	8662.2
52.5°	8558.8	8548.3	8802.4	9002.2	9077.6	8802.4	8820.0	9845.3	11724.3	11615.6	8718.3
55°	7207.4	7189.9	7547.4	8033.0	8697.3	9049.6	9035.6	9901.4	11852.3	11785.7	8921.6
57.5°	5225.0	5195.2	5693.0	6232.9	7104.0	8059.3	8620.1	9869.9	11908.3	11903.1	9158.2
60°	3141.0	3116.4	3586.2	4154.1	4827.1	5787.7	6718.4	8841.0	11158.2	11168.7	8543.0
62.5°	1933.3	1956.1	2380.3	2669.5	2920.1	3209.3	3747.4	5947.2	8266.1	8334.4	6003.3
65°	1300.6	1318.1	1710.7	2075.3	2075.3	1696.7	1456.6	2843.0	4410.0	4294.3	2839.5
67.5°	872.9	892.2	1202.4	1628.3	1689.7	1183.1	590.7	848.3	1228.7	1191.9	702.9
70°	513.6	534.6	801.0	1116.5	1230.4	823.8	394.4	359.3	348.8	338.3	273.4
72.5°	229.6	238.4	408.4	567.9	518.8	347.0	278.7	287.5	271.7	266.4	222.6
75°	70.1	73.6	105.2	122.7	124.4	124.4	168.3	226.1	213.8	215.6	171.8
77.5°	17.5	17.5	28.0	26.3	14.0	12.3	31.5	50.8	52.6	47.3	35.1
80°	0.0	0.0	0.0	0.0	0.0	1.8	1.8	1.8	1.8	1.8	1.8
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2422.3	2422.3	2422.3	2422.3	2422.3	2422.3	2422.3	2422.3	2422.3	2422.3	2422.3
2.5°	2455.6	2410.1	2380.3	2338.2	2308.4	2276.9	2248.8	2226.0	2213.8	2210.2	2212.0
5°	2511.7	2439.9	2369.8	2289.1	2233.0	2180.5	2138.4	2105.1	2089.3	2084.0	2084.0
7.5°	2597.6	2497.7	2373.3	2247.1	2152.4	2070.0	2020.9	1984.1	1970.1	1966.6	1956.1
10°	2709.8	2573.1	2368.0	2171.7	2038.5	1952.6	1917.5	1907.0	1912.3	1914.0	1912.3
12.5°	2844.8	2651.9	2334.7	2061.3	1917.5	1865.0	1868.5	1896.5	1928.1	1943.8	1947.3
15°	2988.5	2723.8	2259.3	1929.8	1814.1	1812.4	1863.2	1928.1	1989.4	2015.7	2022.7
17.5°	3149.7	2781.7	2143.6	1789.6	1724.7	1775.6	1866.7	1966.6	2049.0	2092.8	2101.6
20°	3326.8	2829.0	1996.4	1658.1	1645.9	1737.0	1863.2	1985.9	2087.6	2136.6	2145.4
22.5°	3510.8	2862.3	1826.4	1537.2	1574.0	1693.2	1829.9	1949.1	2045.5	2101.6	2108.6
25°	3721.1	2865.8	1652.9	1435.5	1507.4	1633.6	1749.3	1847.4	1928.1	1977.1	1982.4
27.5°	3905.2	2823.7	1498.6	1353.1	1446.0	1560.0	1637.1	1691.4	1747.5	1775.6	1777.3
30°	4117.3	2750.1	1353.1	1286.5	1382.9	1468.8	1507.4	1519.7	1524.9	1530.2	1523.2
32.5°	4369.7	2660.7	1244.5	1221.7	1311.1	1368.9	1379.4	1354.9	1325.1	1283.0	1272.5
35°	4679.9	2580.1	1155.1	1158.6	1232.2	1267.3	1258.5	1205.9	1148.1	1097.2	1088.5
37.5°	5016.4	2511.7	1086.7	1097.2	1146.3	1170.9	1144.6	1086.7	1060.4	1016.6	1018.4
40°	5314.4	2455.6	1025.4	1035.9	1058.7	1081.5	1039.4	1000.8	1049.9	1046.4	1049.9
42.5°	5526.5	2408.3	972.8	967.5	983.3	999.1	967.5	948.3	1030.6	1007.8	1020.1
45°	5650.9	2364.5	929.0	897.4	922.0	950.0	929.0	904.4	932.5	827.3	818.5
47.5°	5735.1	2340.0	890.4	829.1	872.9	922.0	878.1	818.5	778.2	687.1	680.1
50°	5743.8	2327.7	844.8	759.0	815.0	867.6	816.8	734.4	676.6	636.3	631.0
52.5°	5789.4	2352.2	781.7	669.6	730.9	815.0	780.0	697.6	618.7	583.7	576.7
55°	5992.7	2455.6	676.6	546.9	636.3	774.7	750.2	622.2	546.9	525.8	520.6
57.5°	6203.1	2476.7	532.8	432.9	553.9	716.9	685.3	573.2	499.5	475.0	469.7
60°	5672.0	2040.2	399.6	357.6	489.0	662.5	634.5	543.4	457.5	427.7	422.4
62.5°	3726.4	1102.5	317.3	303.2	411.9	560.9	578.4	490.8	408.4	376.8	375.1
65°	1717.7	511.8	243.6	240.1	322.5	447.0	497.8	429.4	345.3	317.3	317.3
67.5°	468.0	254.2	191.1	177.0	219.1	299.7	362.8	320.8	245.4	212.1	210.3
70°	233.1	205.1	171.8	152.5	157.7	185.8	213.8	178.8	124.4	101.7	99.9
72.5°	191.1	168.3	145.5	129.7	119.2	113.9	110.4	89.4	57.8	43.8	42.1
75°	142.0	120.9	103.4	84.1	71.9	66.6	59.6	43.8	24.5	14.0	12.3
77.5°	31.5	29.8	28.0	21.0	19.3	15.8	12.3	8.8	3.5	0.0	0.0
80°	1.8	1.8	1.8	1.8	1.8	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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)