

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: P634888

Luminaire Tested: GWS-SA3C-760-U-AFL-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634888
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-47)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-760-U-AFL-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND
AUTOMOTIVE FRONTLINE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12767.6 lumens
Efficiency: N/A
Efficacy: 137.3 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

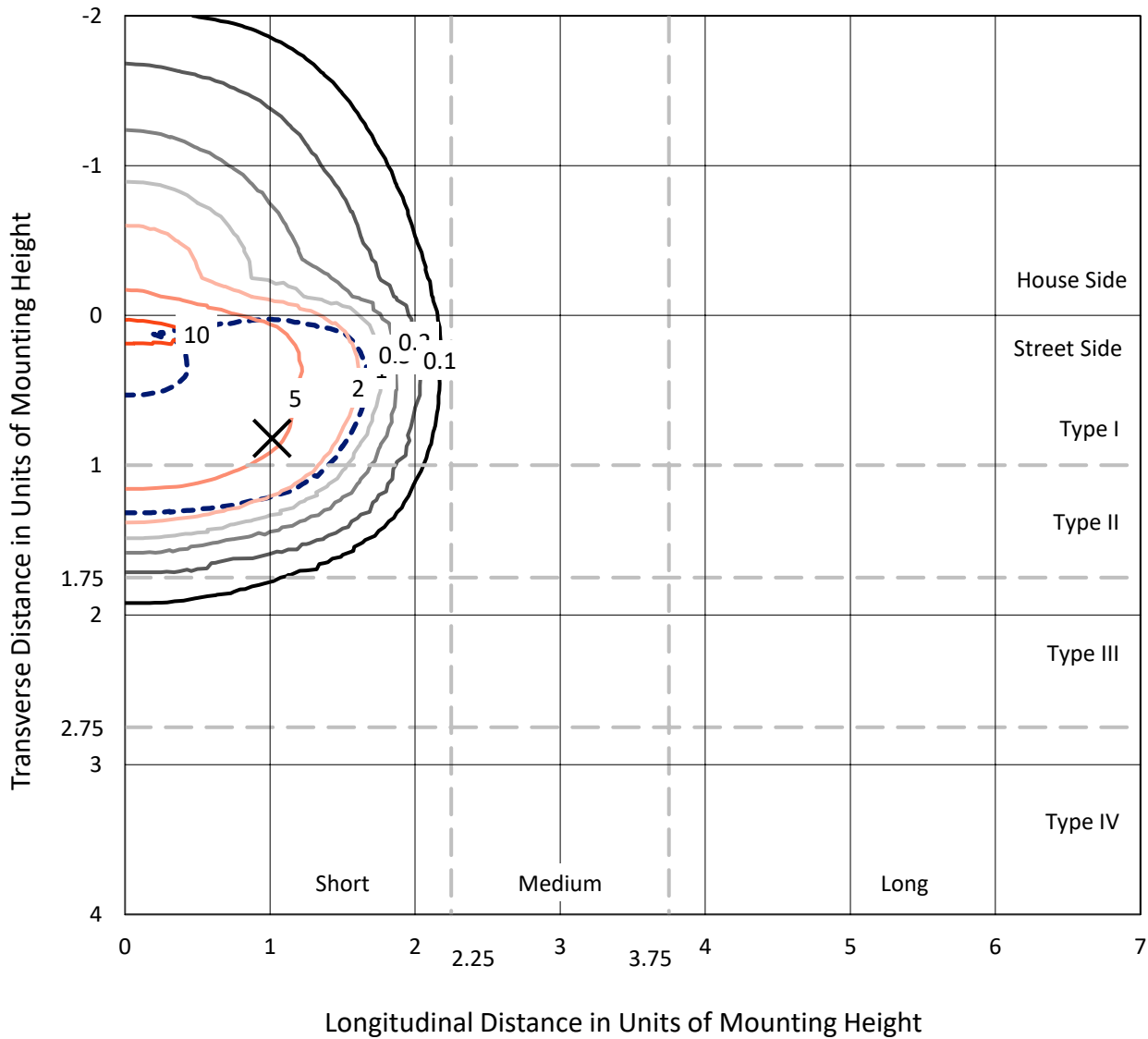
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

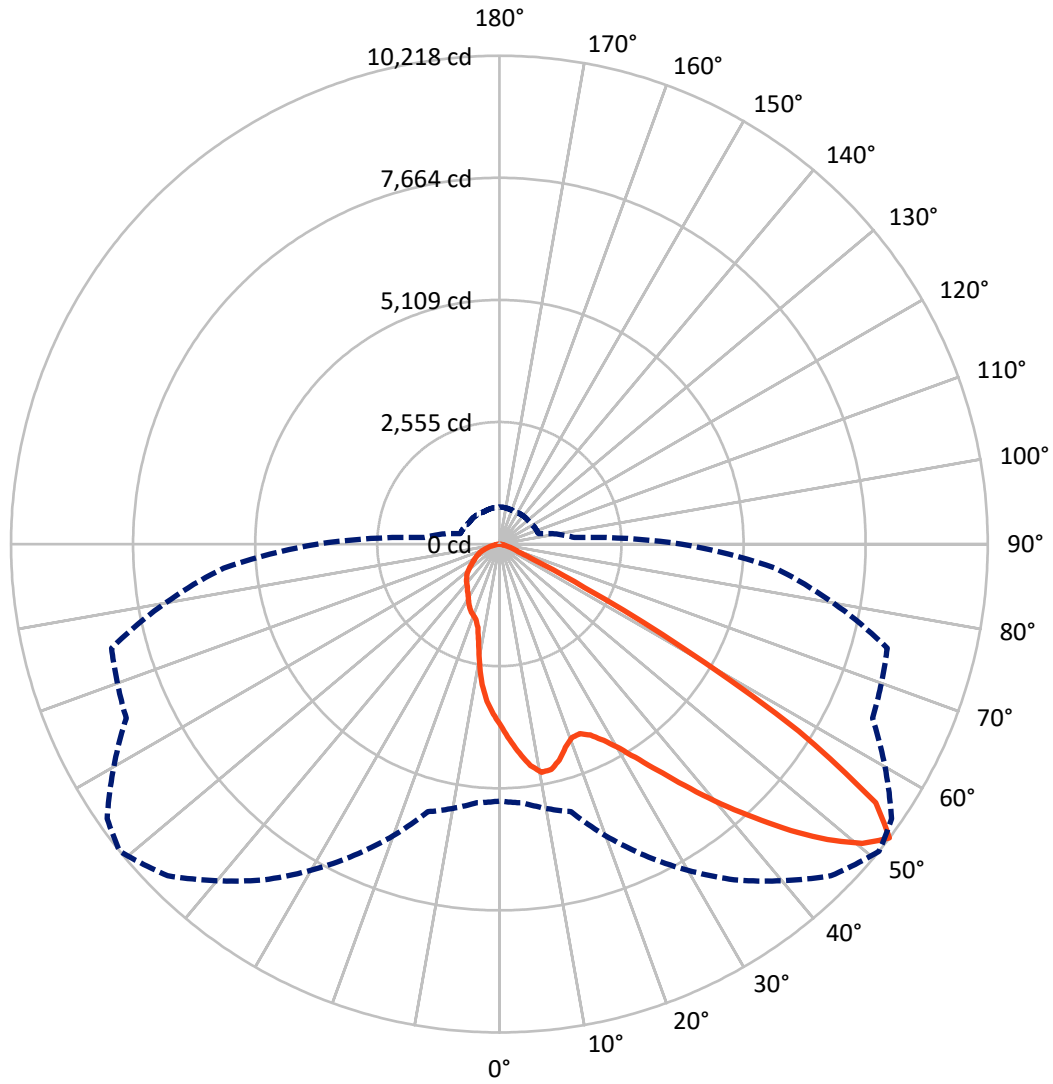
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 11.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 51-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2487.7	0.0	2487.7
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	10279.9	0.0	10279.9
	% Fixture	80.5	0.0	80.5
Total	Lumens	12767.6	0.0	12767.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.7	2.8
10°-20°	921.7	7.2
20°-30°	1498.7	11.7
30°-40°	2375.1	18.6
40°-50°	3582.1	28.1
50°-60°	3098.8	24.3
60°-70°	702.5	5.5
70°-80°	207.2	1.6
80°-90°	26.7	0.2
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°	12767.6	100.0
0°-180°	12767.6	100.0

Coefficient of Utilization



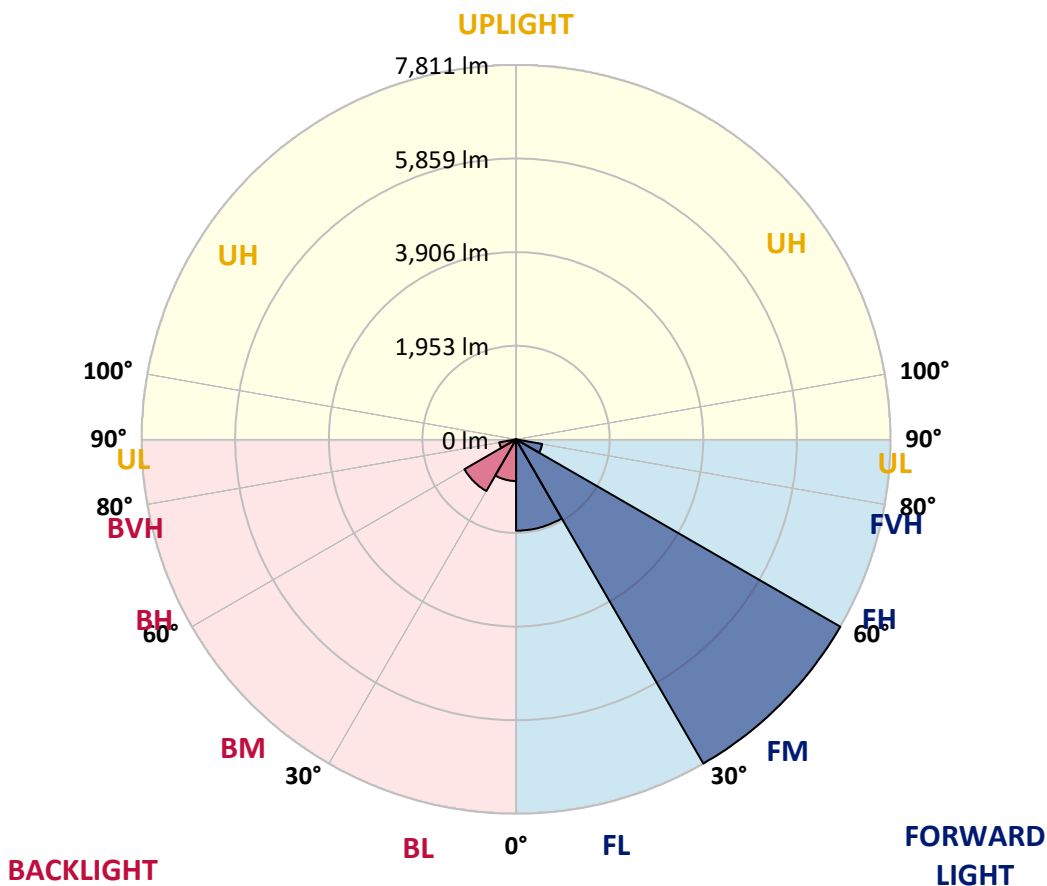
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1905.6	14.9			
FM (30°-60°)	7811.4	61.2			
FH (60°-80°)	552.9	4.3			G0/660
FVH (80°-90°)	10.1	0.1			G1/100
BL (0°-30°)	869.6	6.8	B2/1000		
BM (30°-60°)	1244.7	9.7	B2/2500		
BH (60°-80°)	356.8	2.8	B1/500		G1/500
BVH (80°-90°)	16.6	0.1			G1/100
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°	51°	55°	65°	75°	85°
0°	3801.6	3801.6	3801.6	3801.6	3801.6	3801.6	3801.6	3801.6	3801.6	3801.6	3801.6
2.5°	4236.4	4260.6	4223.3	4209.1	4185.9	4145.6	4099.2	4086.1	3986.2	3920.6	3847.0
5°	4662.1	4675.3	4645.0	4614.7	4557.2	4485.6	4395.8	4376.6	4195.0	4044.7	3888.3
7.5°	4757.0	4751.9	4778.2	4795.3	4788.3	4760.0	4680.3	4643.0	4426.1	4188.0	3956.9
10°	4381.7	4353.4	4450.3	4565.3	4703.5	4862.9	4853.8	4850.8	4662.1	4380.7	4044.7
12.5°	3884.3	3870.2	3948.9	4093.1	4354.4	4707.5	4839.7	4942.6	4875.0	4564.3	4142.6
15°	3599.8	3594.7	3648.2	3752.1	3959.9	4405.9	4688.4	4892.2	5057.6	4761.0	4246.5
17.5°	3548.3	3551.3	3569.5	3629.0	3778.3	4145.6	4472.5	4757.0	5199.9	4976.9	4376.6
20°	3698.6	3718.8	3687.5	3696.6	3777.3	4051.8	4325.2	4620.8	5290.7	5193.8	4516.9
22.5°	4032.6	4025.5	3956.9	3916.6	3917.6	4109.3	4309.0	4557.2	5350.2	5404.7	4644.0
25°	4410.9	4402.9	4321.1	4231.3	4174.8	4265.6	4425.1	4624.8	5403.7	5597.4	4745.9
27.5°	4857.9	4832.7	4741.9	4626.8	4501.7	4541.1	4649.0	4807.4	5486.4	5787.1	4813.5
30°	5290.7	5320.0	5189.8	5053.6	4921.4	4897.2	4959.8	5103.0	5654.9	6009.0	4894.2
32.5°	5864.8	5854.7	5710.4	5532.8	5344.2	5326.0	5375.4	5506.6	5957.6	6315.7	5017.3
35°	6559.9	6561.9	6357.1	6117.0	5848.6	5800.2	5882.9	6010.0	6408.6	6731.4	5212.0
37.5°	7282.3	7279.2	7100.7	6828.3	6462.0	6393.4	6488.3	6583.1	6972.5	7297.4	5514.7
40°	7788.7	7808.9	7725.2	7581.9	7234.9	7067.4	7151.1	7216.7	7586.0	7963.3	5913.2
42.5°	8076.3	8106.5	8124.7	8210.5	8027.9	7849.3	7819.0	7853.3	8133.8	8581.7	6287.5
45°	8137.8	8178.2	8310.3	8628.1	8698.8	8648.3	8549.5	8466.7	8542.4	9020.6	6532.7
47.5°	7866.4	7937.1	8219.5	8775.4	9188.1	9346.5	9236.5	9110.4	8778.5	9133.6	6507.4
50°	6790.9	6873.7	7510.3	8474.8	9257.7	9834.8	9844.9	9658.2	8750.2	8807.7	6190.6
52.5°	5376.5	5432.9	5797.2	7184.4	8574.7	9814.6	10218.2	10018.4	8614.0	8400.1	5794.1
55°	3213.4	3304.2	3644.2	4739.8	6680.0	8698.8	9558.4	9655.2	8547.4	8058.1	5523.8
57.5°	1084.6	1129.0	1453.8	2093.5	3936.7	6369.2	7385.2	7778.7	7759.5	7535.5	4996.1
60°	516.6	526.6	592.2	794.0	1575.9	3328.4	4371.6	4825.6	5239.2	5280.6	3108.4
62.5°	393.5	399.5	432.8	476.2	633.6	1402.4	2003.7	2350.7	2511.2	2155.0	1132.0
65°	328.9	333.9	359.2	386.4	430.8	607.4	768.8	886.8	799.1	622.5	539.8
67.5°	274.4	278.5	297.6	326.9	357.2	406.6	426.8	438.9	460.1	516.6	496.4
70°	214.9	218.9	239.1	264.3	293.6	305.7	324.9	337.0	379.3	452.0	450.0
72.5°	165.5	170.5	181.6	197.7	222.0	234.1	255.3	269.4	293.6	352.1	376.3
75°	121.1	124.1	134.2	139.2	142.3	139.2	160.4	176.6	208.8	231.0	237.1
77.5°	49.4	55.5	53.5	53.5	63.6	76.7	87.8	97.9	120.1	133.2	134.2
80°	20.2	22.2	26.2	29.3	35.3	45.4	52.5	56.5	66.6	74.7	80.7
82.5°	12.1	13.1	15.1	16.1	20.2	26.2	30.3	33.3	41.4	49.4	52.5
85°	6.1	6.1	7.1	8.1	10.1	12.1	14.1	16.1	21.2	26.2	29.3
87.5°	1.0	1.0	1.0	2.0	3.0	4.0	5.0	6.1	7.1	8.1	10.1
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°	3801.6	3801.6	3801.6	3801.6	3801.6	3801.6	3801.6	3801.6	3801.6	3801.6	3801.6
2.5°	3803.6	3749.1	3685.5	3635.1	3576.6	3533.2	3471.6	3433.3	3397.0	3366.7	3344.5
5°	3807.6	3715.8	3583.6	3466.6	3345.5	3230.5	3112.5	3016.6	2930.9	2859.2	2853.2
7.5°	3830.8	3698.6	3491.8	3287.0	3050.9	2822.9	2594.9	2409.3	2268.0	2194.4	2179.2
10°	3870.2	3696.6	3398.0	3071.1	2668.6	2301.3	2030.9	1889.7	1808.0	1778.7	1768.6
12.5°	3911.5	3691.6	3277.9	2766.4	2207.5	1885.6	1737.3	1720.2	1735.3	1737.3	1736.3
15°	3962.0	3688.6	3126.6	2409.3	1870.5	1692.9	1703.0	1739.4	1774.7	1782.7	1782.7
17.5°	4023.5	3681.5	2920.8	2060.2	1659.6	1655.6	1709.1	1757.5	1790.8	1796.9	1796.9
20°	4088.1	3663.3	2667.5	1775.7	1573.9	1632.4	1689.9	1727.2	1750.4	1758.5	1759.5
22.5°	4132.5	3614.9	2376.0	1564.8	1520.4	1588.0	1629.4	1667.7	1667.7	1647.5	1641.5
25°	4141.6	3511.0	2060.2	1420.5	1456.9	1519.4	1561.8	1539.6	1498.2	1482.1	1481.1
27.5°	4108.3	3359.7	1748.4	1317.6	1380.2	1442.7	1435.7	1403.4	1385.2	1369.1	1375.1
30°	4067.9	3178.0	1478.0	1232.9	1291.4	1352.9	1328.7	1317.6	1304.5	1286.4	1290.4
32.5°	4040.7	2975.3	1270.2	1167.3	1231.9	1242.0	1259.1	1258.1	1246.0	1211.7	1209.7
35°	4048.7	2770.5	1131.0	1113.8	1182.4	1178.4	1210.7	1204.6	1120.9	1073.5	1070.4
37.5°	4113.3	2573.7	1049.3	1071.5	1103.7	1129.0	1157.2	1084.6	1055.3	1025.0	1027.1
40°	4236.4	2391.1	1004.9	1048.3	1056.3	1093.7	1028.1	1027.1	1013.9	986.7	985.7
42.5°	4375.6	2236.7	974.6	1037.2	1026.1	1033.1	963.5	971.6	970.6	953.4	948.4
45°	4460.4	2094.5	950.4	995.8	998.8	928.2	907.0	916.1	921.1	912.0	911.0
47.5°	4372.6	1931.0	925.2	932.2	958.5	880.8	854.5	855.6	864.6	865.6	861.6
50°	4126.4	1748.4	894.9	877.7	860.6	831.3	807.1	802.1	811.2	820.2	823.3
52.5°	3808.6	1573.9	844.5	818.2	777.9	777.9	766.8	750.6	762.7	774.8	778.9
55°	3575.6	1444.8	772.8	743.6	699.2	714.3	712.3	698.2	714.3	723.4	726.4
57.5°	3098.3	1161.2	680.0	670.9	633.6	651.8	655.8	637.6	629.6	631.6	634.6
60°	1839.2	749.6	613.4	612.4	579.1	600.3	612.4	594.2	570.0	573.1	577.1
62.5°	825.3	573.1	529.7	525.6	524.6	551.9	565.0	547.8	513.5	516.6	520.6
65°	519.6	495.4	460.1	460.1	476.2	499.4	509.5	495.4	456.0	451.0	455.0
67.5°	482.3	461.1	424.7	417.7	425.8	444.9	445.9	418.7	395.5	391.5	391.5
70°	432.8	416.7	381.4	367.2	364.2	363.2	360.2	353.1	338.0	333.9	336.0
72.5°	358.2	347.1	324.9	309.7	301.7	300.7	288.5	282.5	269.4	267.4	266.4
75°	237.1	240.1	240.1	238.1	231.0	228.0	214.9	208.8	193.7	187.7	186.6
77.5°	140.2	143.3	147.3	148.3	147.3	147.3	135.2	128.1	113.0	104.9	102.9
80°	85.8	87.8	89.8	92.8	88.8	85.8	74.7	67.6	60.5	55.5	54.5
82.5°	55.5	57.5	58.5	60.5	58.5	54.5	45.4	41.4	36.3	32.3	31.3
85°	31.3	32.3	34.3	34.3	31.3	28.2	23.2	20.2	17.2	15.1	15.1
87.5°	11.1	11.1	11.1	12.1	10.1	9.1	6.1	4.0	3.0	3.0	3.0
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)