

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: P634313

Luminaire Tested: GWS-SA3B-740-U-T2R-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634313
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-13)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-740-U-T2R-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II ROADWAY OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9154.4 lumens
Efficiency: N/A
Efficacy: 134.0 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

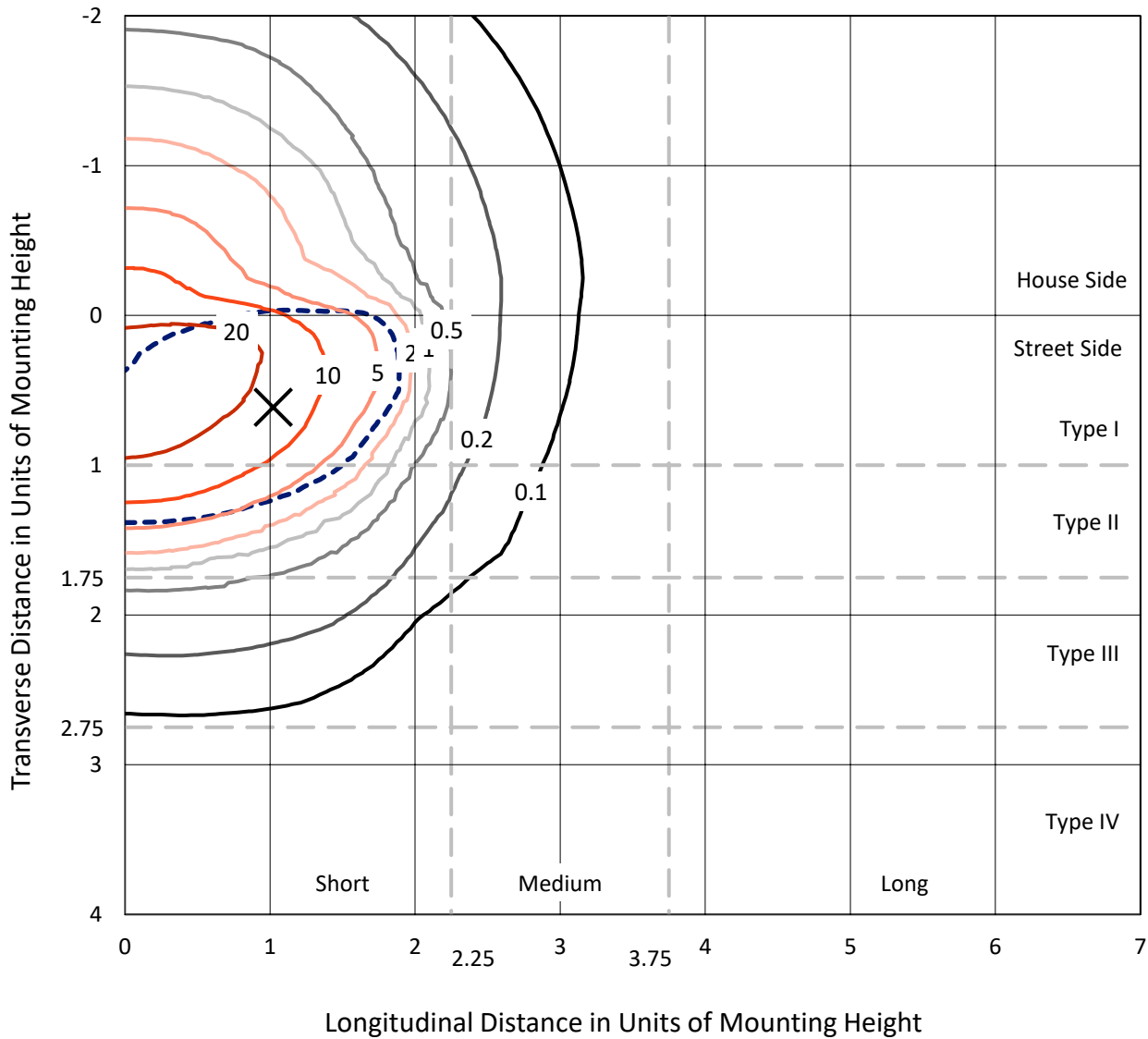
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

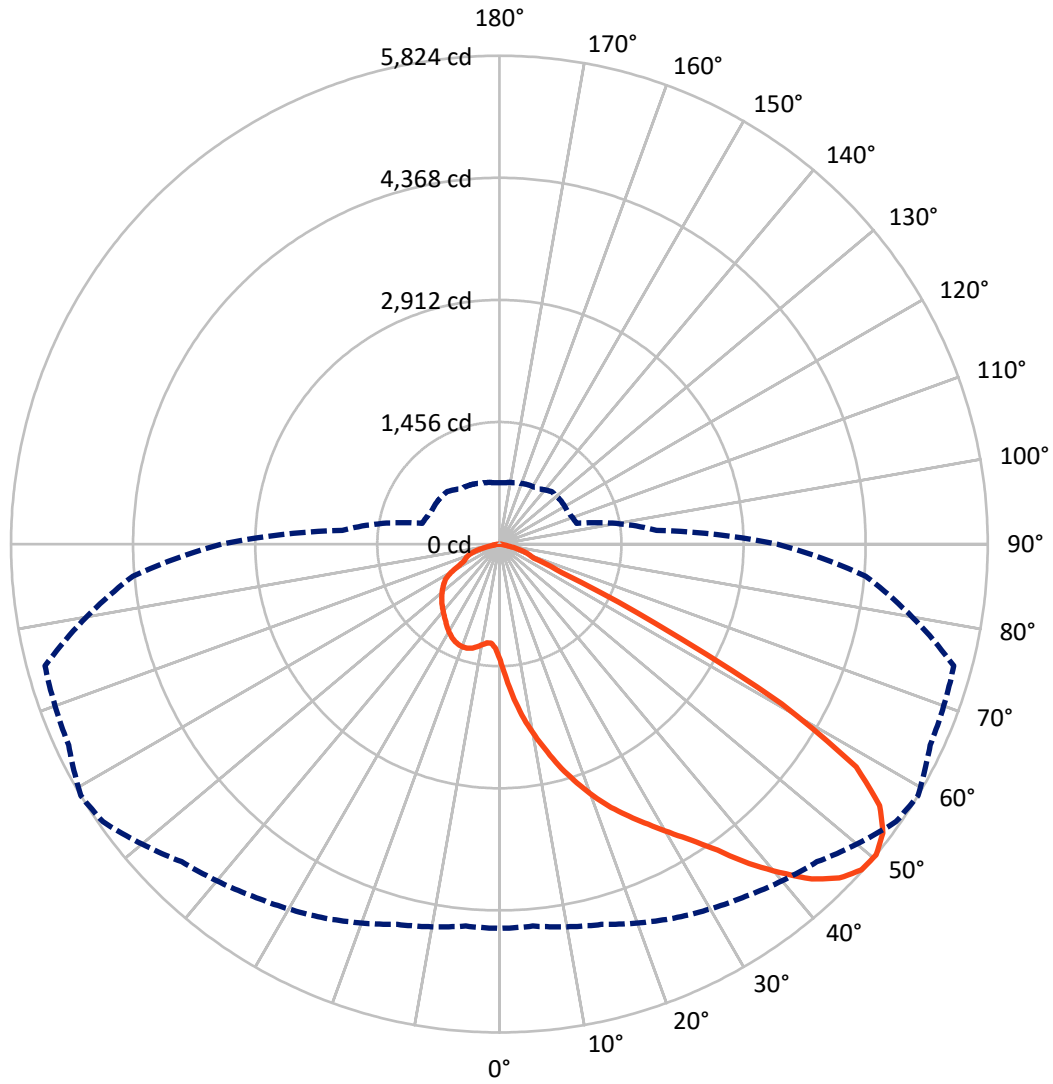
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 27.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2105.7	0.0	2105.7
	% Fixture	23.0	0.0	23.0
Street Side	Lumens	7048.7	0.0	7048.7
	% Fixture	77.0	0.0	77.0
Total	Lumens	9154.4	0.0	9154.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.6	1.7
10°-20°	564.8	6.2
20°-30°	1069.5	11.7
30°-40°	1773.7	19.4
40°-50°	2422.9	26.5
50°-60°	2199.4	24.0
60°-70°	732.4	8.0
70°-80°	213.6	2.3
80°-90°	22.4	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°	9154.4	100.0
0°-180°	9154.4	100.0

Coefficient of Utilization



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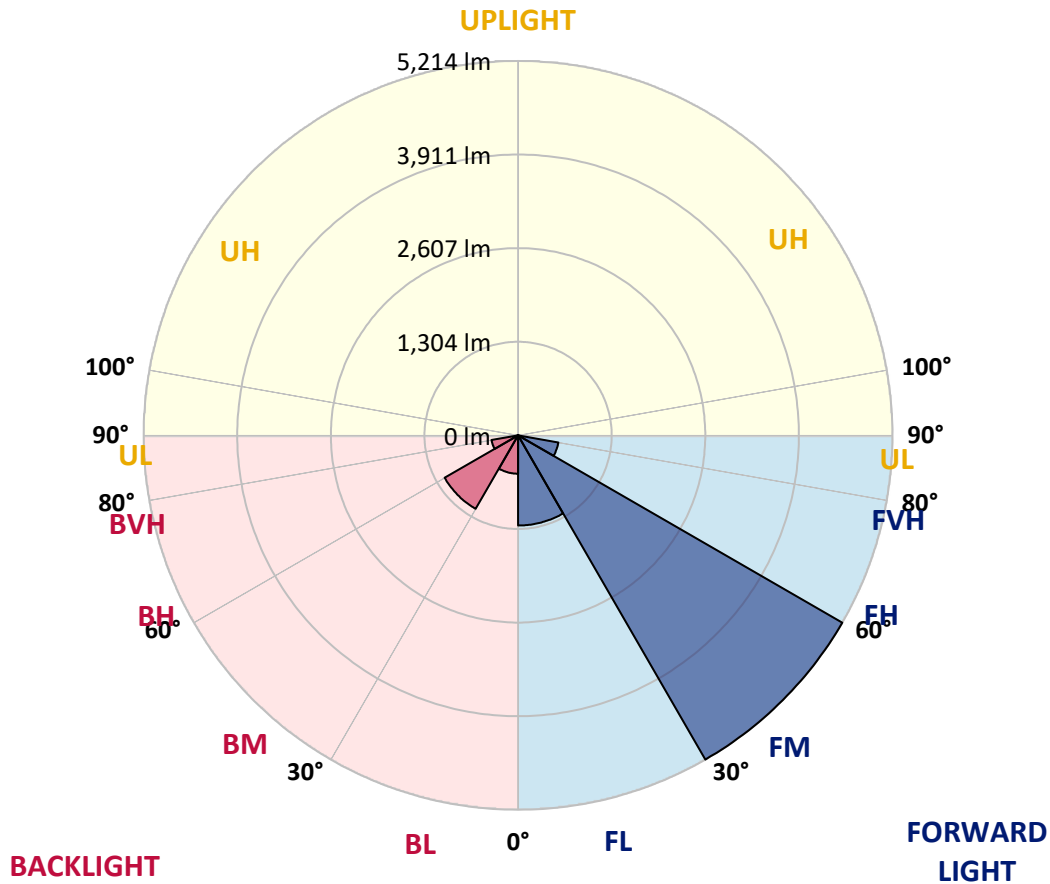
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1255.3	13.7			
FM (30°-60°)	5214.5	57.0			
FH (60°-80°)	570.2	6.2			G0/660
FVH (80°-90°)	8.8	0.1			G0/10
BL (0°-30°)	534.7	5.8	B2/1000		
BM (30°-60°)	1181.5	12.9	B2/2500		
BH (60°-80°)	375.8	4.1	B1/500		G1/500
BVH (80°-90°)	13.7	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°	55°	59°	65°	75°	85°
0°	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0
2.5°	1797.1	1810.5	1789.6	1791.1	1738.9	1715.1	1647.9	1608.4	1582.3	1509.2	1442.9
5°	2159.5	2143.8	2127.4	2117.7	2072.2	2008.1	1924.6	1858.2	1797.1	1653.9	1516.0
7.5°	2381.7	2373.5	2362.3	2356.3	2311.6	2244.5	2161.0	2104.3	2015.6	1821.7	1604.7
10°	2570.3	2560.6	2553.9	2558.4	2521.9	2478.6	2387.7	2322.8	2222.9	1999.2	1712.1
12.5°	2716.5	2721.7	2724.0	2747.8	2732.2	2706.1	2612.1	2543.5	2432.4	2186.3	1838.1
15°	2832.1	2830.6	2856.7	2902.2	2927.5	2911.1	2835.8	2778.4	2642.7	2370.5	1973.8
17.5°	2858.9	2860.4	2901.4	2981.2	3064.0	3104.2	3061.7	2993.1	2858.9	2552.4	2114.7
20°	2880.5	2883.5	2926.0	3017.0	3137.8	3250.4	3257.1	3207.9	3092.3	2749.3	2257.9
22.5°	3017.0	3023.7	3034.9	3092.3	3201.2	3343.6	3421.9	3411.5	3314.5	2955.9	2412.3
25°	3375.7	3355.5	3301.1	3284.7	3326.5	3442.0	3575.5	3595.6	3547.9	3183.3	2578.5
27.5°	3818.6	3797.0	3716.4	3631.4	3541.2	3581.5	3723.9	3784.3	3785.0	3433.8	2745.6
30°	4220.5	4203.4	4137.8	4016.2	3860.4	3802.2	3907.3	3988.6	4037.1	3723.2	2935.7
32.5°	4564.3	4548.6	4459.9	4360.7	4208.6	4091.5	4129.6	4207.8	4321.2	4097.5	3172.1
35°	4853.6	4837.9	4752.9	4653.0	4512.1	4442.0	4428.6	4482.3	4629.2	4488.2	3443.5
37.5°	5088.5	5072.8	4984.1	4890.1	4782.8	4787.2	4807.4	4833.5	4917.7	4906.5	3733.6
40°	5240.6	5224.2	5160.8	5093.7	5025.9	5079.5	5179.5	5148.1	5192.9	5244.3	4000.5
42.5°	5308.5	5287.6	5251.0	5236.1	5215.3	5298.8	5491.2	5459.8	5406.1	5469.5	4198.9
45°	5240.6	5222.7	5222.0	5267.5	5315.9	5423.3	5706.7	5681.3	5545.6	5578.4	4317.5
47.5°	5032.6	5016.9	5059.4	5178.7	5298.0	5454.6	5802.8	5807.3	5644.8	5623.9	4394.3
50°	4582.9	4572.5	4695.5	4921.5	5127.3	5356.9	5772.3	5823.7	5668.6	5609.7	4384.6
52.5°	3668.7	3717.2	3984.9	4362.2	4761.9	5185.4	5658.9	5726.0	5553.8	5516.5	4332.4
55°	2511.4	2533.8	2801.5	3352.6	3986.4	4814.1	5398.7	5502.3	5418.1	5500.8	4386.8
57.5°	1300.5	1318.4	1529.4	2018.5	2703.8	3804.4	4676.1	5016.2	5144.4	5579.9	4556.1
60°	533.9	548.8	636.1	872.4	1363.8	2215.4	3365.2	3869.3	4170.6	5095.9	4046.0
62.5°	387.8	395.2	437.0	520.5	714.4	1085.7	1904.5	2090.1	2301.9	3193.7	2568.9
65°	326.6	334.8	368.4	419.1	521.2	665.9	813.5	818.0	901.5	1301.2	952.2
67.5°	273.7	281.1	310.9	354.2	421.3	472.8	437.0	437.7	436.2	472.0	456.4
70°	213.3	219.2	249.1	295.3	330.3	303.5	341.5	378.1	362.4	376.6	398.2
72.5°	155.8	162.6	188.7	223.7	214.8	216.2	276.6	313.9	305.0	320.6	340.8
75°	112.6	117.1	130.5	111.9	117.8	142.4	194.6	214.8	223.7	237.1	255.0
77.5°	36.5	36.5	41.0	51.5	64.1	79.0	99.2	107.4	120.8	135.7	148.4
80°	18.6	19.4	23.1	28.3	35.8	45.5	58.2	61.9	68.6	76.8	82.0
82.5°	8.9	9.7	11.2	14.2	18.6	23.9	32.1	35.8	40.3	45.5	49.2
85°	2.2	2.2	3.0	4.5	6.0	8.9	11.9	14.2	17.9	21.6	23.9
87.5°	0.0	0.0	0.0	0.0	0.0	0.7	2.2	3.0	3.7	4.5	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0	1387.0
2.5°	1413.1	1371.3	1317.6	1272.1	1230.4	1198.3	1170.7	1157.3	1144.6	1135.7	1138.6
5°	1451.8	1380.2	1280.3	1211.0	1168.5	1146.8	1131.9	1124.5	1123.0	1117.0	1114.8
7.5°	1508.5	1406.3	1272.9	1202.8	1174.4	1163.3	1155.1	1150.6	1152.8	1146.8	1144.6
10°	1578.6	1449.6	1291.5	1229.6	1205.0	1196.8	1187.9	1181.9	1178.9	1170.0	1168.5
12.5°	1665.8	1503.3	1325.1	1263.9	1239.3	1225.1	1213.2	1202.8	1196.1	1184.9	1181.9
15°	1759.8	1562.9	1364.6	1297.5	1268.4	1247.5	1228.1	1212.5	1200.5	1185.6	1183.4
17.5°	1862.0	1625.6	1397.4	1320.6	1283.3	1255.7	1227.4	1204.3	1187.9	1168.5	1166.2
20°	1968.6	1689.0	1422.0	1331.8	1284.1	1246.8	1208.7	1178.2	1157.3	1137.9	1136.4
22.5°	2078.9	1747.1	1436.9	1328.8	1272.1	1225.9	1180.4	1146.1	1121.5	1098.4	1096.9
25°	2190.0	1803.0	1440.6	1316.9	1248.3	1194.6	1149.1	1108.8	1081.2	1055.1	1052.1
27.5°	2302.6	1850.0	1431.7	1293.0	1216.2	1158.0	1112.5	1073.0	1044.7	1018.6	1014.1
30°	2422.7	1890.3	1412.3	1261.7	1178.9	1119.3	1074.5	1044.7	1017.8	991.7	987.3
32.5°	2551.0	1925.3	1384.7	1223.7	1135.7	1080.5	1047.7	1020.8	994.0	970.9	966.4
35°	2703.8	1948.4	1343.7	1174.4	1095.4	1052.1	1029.8	998.5	965.6	940.3	938.1
37.5°	2861.9	1966.3	1294.5	1127.5	1060.4	1035.7	1017.1	974.6	933.6	903.0	899.3
40°	3014.8	1981.3	1233.3	1083.5	1028.3	1023.8	998.5	945.5	874.7	840.4	837.4
42.5°	3157.2	1985.7	1169.2	1036.5	999.2	997.0	968.6	886.6	832.2	810.5	807.6
45°	3254.9	1982.0	1102.9	992.5	970.1	958.2	928.4	844.1	810.5	791.2	787.4
47.5°	3327.2	1962.6	1028.3	946.3	937.3	920.9	856.8	817.3	785.9	766.6	762.8
50°	3314.5	1882.1	953.0	901.5	897.8	883.6	804.6	783.7	756.1	735.2	732.3
52.5°	3248.9	1729.2	876.2	852.3	859.8	832.2	767.3	743.4	719.6	695.7	690.5
55°	3265.3	1618.9	818.0	804.6	818.0	755.4	725.5	700.2	677.8	654.7	650.2
57.5°	3336.9	1510.0	756.1	753.1	767.3	696.5	671.9	639.8	607.7	589.1	589.1
60°	2802.2	1100.6	647.2	654.7	686.8	648.7	627.1	594.3	559.3	542.9	542.9
62.5°	1656.9	690.5	536.9	528.7	548.8	572.7	584.6	557.8	516.0	494.4	495.1
65°	730.0	502.6	473.5	466.8	460.8	477.2	510.0	512.3	468.3	442.9	443.7
67.5°	449.6	454.9	442.9	437.7	432.5	429.5	426.5	428.0	416.1	393.0	392.2
70°	405.6	419.8	411.6	407.1	400.4	395.2	377.3	348.2	328.1	322.1	328.8
72.5°	349.0	368.4	363.9	361.7	353.5	340.8	316.9	288.6	264.7	249.8	252.8
75°	263.2	278.9	281.1	281.9	272.9	261.0	236.4	212.5	191.6	176.0	179.7
77.5°	151.4	160.3	162.6	164.8	158.1	153.6	137.2	120.1	108.9	92.5	96.9
80°	84.3	88.0	88.0	88.7	85.0	79.8	68.6	58.9	53.7	46.2	47.0
82.5°	50.7	52.2	52.9	53.7	51.5	46.2	38.0	31.3	28.3	24.6	23.9
85°	24.6	26.1	26.1	26.8	23.1	20.1	15.7	11.9	10.4	7.5	8.2
87.5°	6.0	6.7	6.7	6.0	5.2	3.7	2.2	0.7	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)